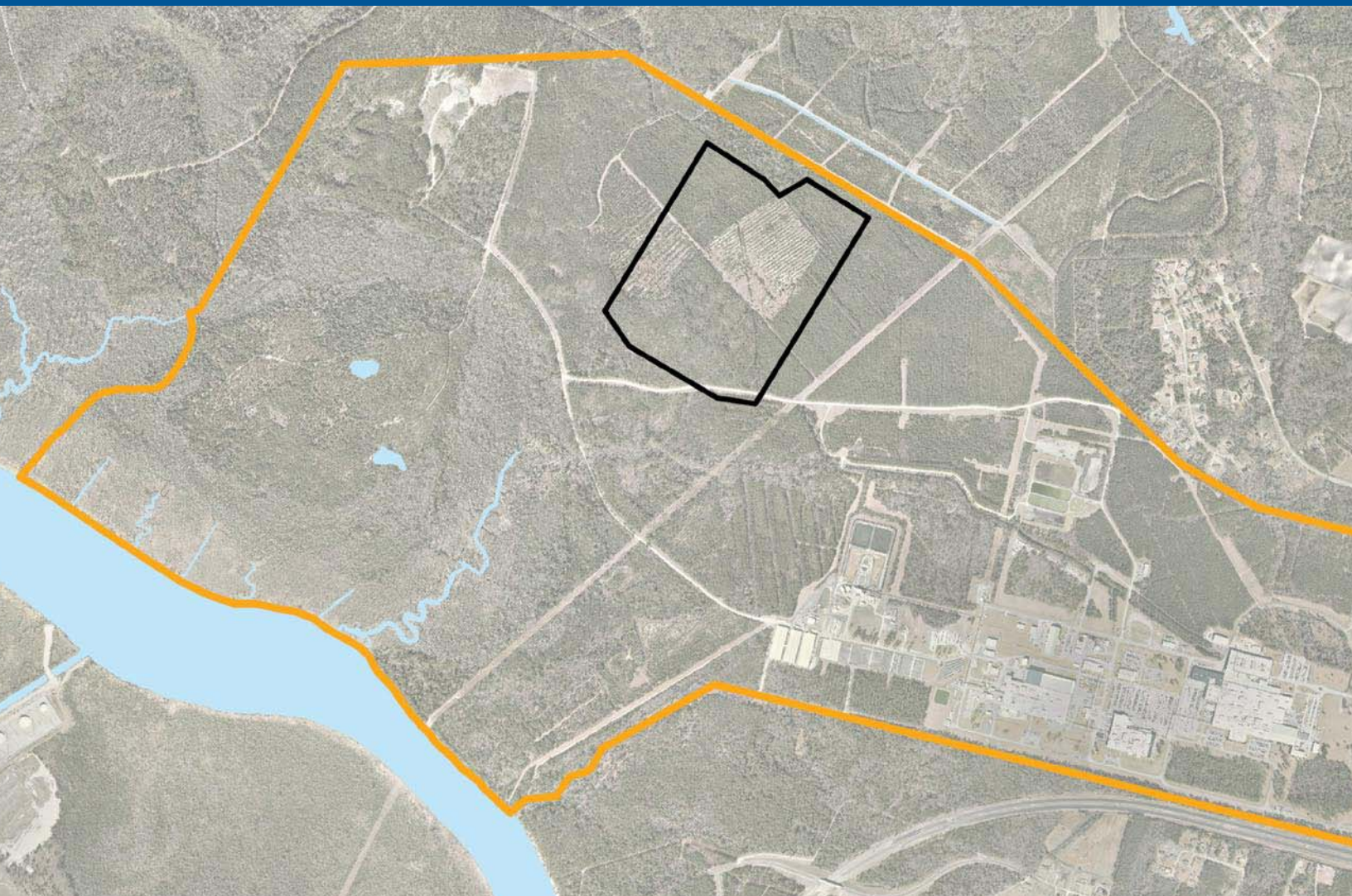


Environmental Report for the GLE Commercial Facility

Volume II: Appendices

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Appendix A

Reference Citations for Maps and Figures

Figure Number	Name of Map Data Layer	Reference
Executive Summary		
ES-1	Cities	ESRI, 2006b.
ES-1	Airport	FAA, 2007a.
ES-1	Railroads	USGS, 1998.
ES-1	Interstate	Tele Atlas North America and Geographic Data Technology, 2006c.
ES-1	Highway	Tele Atlas North America and Geographic Data Technology, 2006a.
ES-1	Major Road	Tele Atlas North America and Geographic Data Technology, 2006a.
ES-1	Local Road	Tele Atlas North America and Geographic Data Technology, 2006a.
ES-1	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
ES-1	Surface Water	ESRI, 2005b.
Chapter 1		
1-1	Wilmington International Airport	FAA, 2007c.
1-1	City or Town	ESRI, 2006a.
1-1	Surface Water	National Atlas of the United States, 2006c.
1-1	Interstate	Tele Atlas North America, 2006c.
1-1	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
1-1	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
1-2	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
1-2	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
1-3	Major road or highway	New Hanover County Department of Information Technology, 2005b.
1-3	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
1-3	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
1-3	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
1-4	Castle Hayne Quadrangle	USGS, 2007a.
1-5	N/A	Neff, 2006b.
1-6	N/A	Schwartz and Meade, 2006.
1-9	N/A	Lohrey, 2006.
1-12	N/A	Mikerin, 2006.

Figure Number	Name of Map Data Layer	Reference
1-13	N/A	Cornell, 2006.
1-14	N/A	Harding, 2007.
1-15	N/A	EIA, 2007.
Chapter 2		
2.1-1	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
2.1-1	Major Road or Highway	New Hanover County Department of Information Technology, 2005b.
2.1-1	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
2.2-2	State Boundaries	Tele Atlas North America, 2007d.
2.2-3	Peak Acceleration	USGS, 2005d.
2.2-4	Quaternary Faults	USGS, 2005c.
2.2-4	Fault Areas	USGS, 2005c.
Chapter 3		
3.1-1	Airport	FAA, 2007a.
3.1-1	City or Town	National Atlas of the United States, 2004.
3.1-1	Military Terminal	NC CGIA, 2003.
3.1-1	Universities - Public	NCDOA, 2003.
3.1-1	State Park	NCDOA, 2007.
3.1-1	Seaport	New Hanover County Department of Information Technology, 2005c.
3.1-1	Interstate	Tele Atlas North America, 2006d.
3.1-1	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.1-2	N/A	U.S. Census Bureau, 2000e; NC OSBM, 2006a.
3.1-3	N/A	U.S. Census Bureau, 2000e; NC OSBM, 2006a.
3.1-4	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.1-4	CDPs (Population > 5,000)	U.S. Census Bureau, 2000c.
3.1-5	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.1-5	CDPs (Population > 1,000)	U.S. Census Bureau, 2000b.
3.1-6	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.1-6	CDPs (Population > 5,000)	U.S. Census Bureau, 2000c.
3.1-7	N/A	City of Wilmington and New Hanover County, 2006.
3.1-8	N/A	City of Wilmington, 2004.
3.1-9	N/A	Brunswick County, 2006.

Figure Number	Name of Map Data Layer	Reference
3.1-10	N/A	Pender County, 2006.
3.1-11	Historic Site	NC DOA, 2007.
3.1-11	Paddling Trail	NC DENR, 2001.
3.1-11	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.1-11	Historic Site	National Register of Historic Places, 2008b.
3.1-11	Conservation and Recreation Areas	Conservation Biology Institute, 2005.
3.1-12	Historic Site	National Register of Historic Places, 2008a.
3.1-12	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.1-12	Military/Federal Reservation	NC CGIA, 2006.
3.1-12	Historic Site	National Register of Historic Places, 2008c.
3.1-12	Conservation and Recreation Areas	Conservation Biology Institute, 2005.
3.1-13	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.1-13	Military/Federal Reservation	NC CGIA, 2006.
3.1-13	Historic Site	National Register of Historic Places, 2008c.
3.1-13	Conservation and Recreation Areas	Conservation Biology Institute, 2005.
3.1-14	Active Mines and Mineral Processing Plants	USGS, 2005a.
3.1-14	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.1-15	Landfills	EPA Landfill Methane Outreach Program, 2004.
3.1-15	Point of Interest	New Hanover Correctional Center, 2007.
3.1-15	Park	New Hanover County Department of Information Technology, 2005c.
3.1-15	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.1-15	Swamp/Marsh	USGS, 2004a.
3.1-15	Water	USGS, 2004c.
3.1-15	School	USGS, 2007g.
3.1-16	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.1-16	Population 2000	U.S. Census Bureau, 2000d.
3.2-1	Water	ESRI, 2005b.
3.2-1	Airport	FAA, 2007a.
3.2-1	Seaport	New Hanover County Department of Information Technology, 2005c.
3.2-1	Primary Road	New Hanover County Department of Information Technology, 2005d.

Figure Number	Name of Map Data Layer	Reference
3.2-1	Interstate	New Hanover County Department of Information Technology, 2005b.
3.2-1	Railroads	USGS, 1998.
3.2-1	City or Town	USGS, 2007d.
3.2-1	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.2-1	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.2-2	Highway	Tele Atlas North America and Geographic Data Technology, 2006a.
3.2-2	Interstate	Tele Atlas North America and Geographic Data Technology, 2006c.
3.2-2	Local Road	Tele Atlas North America and Geographic Data Technology, 2006d.
3.2-2	Major Road	Tele Atlas North America and Geographic Data Technology, 2006e.
3.2-3	Water	ESRI, 2005b.
3.2-3	Airport	FAA, 2007a.
3.2-3	Seaport	New Hanover County Department of Information Technology, 2005c.
3.2-3	Primary Road	New Hanover County Department of Information Technology, 2005d.
3.2-3	Railroads	USGS, 1998.
3.2-3	City or Town	USGS, 2007d.
3.2-3	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.2-3	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.2-4	Water	ESRI, 2005b.
3.2-4	Airport	FAA, 2007a.
3.2-4	Primary Road	New Hanover County Department of Information Technology, 2005d.
3.2-4	Railroads	USGS, 1998.
3.2-4	Interstate	Tele Atlas North America and Geographic Data Technology, 2006c.
3.2-4	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.2-4	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.2-4	City or Town	USGS, 2007d.
3.2-5	Military Terminal	NC CGIA, 2003.

Figure Number	Name of Map Data Layer	Reference
3.2-5	Seaport	New Hanover County Department of Information Technology, 2005c.
3.2-5	Interstate	New Hanover County Department of Information Technology, 2005b.
3.2-5	Railroads	USGS, 1998.
3.2-5	City or Town	USGS, 2007d.
3.2-5	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.2-5	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.2-6	Airport/Heliport	FAA, 2007b.
3.2-6	Wilmington International Airport	FAA, 2007c.
3.2-6	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.2-6	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.2-6	Interstate	New Hanover County Department of Information Technology, 2005b.
3.2-6	City or Town	USGS, 2007d.
3.2-7	Traffic Count Locations	NC DOT, 2006.
3.2-7	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.2-7	Road	New Hanover County Department of Information Technology, 2005d.
3.2-7	Interstate	New Hanover County Department of Information Technology, 2005b.
3.2-7	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.2-9	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.2-9	Roads	New Hanover County Department of Information Technology, 2005d.
3.2-9	Interstate	New Hanover County Department of Information Technology, 2005b.
3.2-9	Proposed Route	New Hanover County Department of Information Technology, 2005a.
3.2-9	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.2-9	Surface Water	USGS, 2005e.
3.2-9	Swamp/Marsh	USGS, 2005e.
3.3-1	Elevation	NOAA, 2006.
3.3-1	Surface Water	New Hanover County Department of Information Technology, 2002.

Figure Number	Name of Map Data Layer	Reference
3.3-1	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-1	Road	New Hanover County Department of Information Technology, 2005d.
3.3-1	Building or Structure	New Hanover County Department of Information Technology, 2007.
3.3-2	Physiographic Provinces	Fenneman and Johnson, 1946.
3.3-2	Mid-Atlantic Coastal Plain	USGS, 2005b
3.3-2	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-3	NC Physiography	NCGS, 2008.
3.3-3	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-4	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-4	Fall Zone	Rogers, 1990.
3.3-5	Major Rivers	NC CGIA, 2006.
3.3-5	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-5	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005a.
3.3-5	Wetlands	U.S. FWS, 1999.
3.3-6	N/A	Beyer, 1991
3.3-7	N/A	Ator et al., 2005.
3.3-8	N/A	Richards, 1950.
3.3-9	Geologic Formations	NCGS, 1998.
3.3-9	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-10	Mid-Atlantic Coastal Plain	USGS, 2005b.
3.3-10	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-10	Structural Arches and Embayments	Ator et al., 2005
3.3-10	Chesapeake Impact Crater	Ator et al., 2005
3.3-11	N/A	Baldwin et al., 2004.
3.3-12	Carbonate-Bearing Rock Formations	NCGS, 1998
3.3-12	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-13	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-13	Status of Facility	USGS, 2005a.
3.3-13	County Boundary	Tele Atlas North America, 2007c.

Figure Number	Name of Map Data Layer	Reference
3.3-14	Radon Zones	U.S. EPA, 2007a.
3.3-15	Lakes	National Atlas of the United States, 2006a.
3.3-15	Rivers	National Atlas of the United States, 2006b.
3.3-15	Cape Fear River Basin Boundary	NRCS, 1998a.
3.3-15	Counties	Tele Atlas North America and Geographic Data Technology, 2005b.
3.3-15	City or Town	ESRI, 2006a.
3.3-16	N/A	Fine and Cunningham, 2001.
3.3-17	N/A	Ator et al., 2005
3.3-18	Major Rivers	NC CGIA, 2006.
3.3-18	Mid-Atlantic Coastal Plain	USGS, 2005b
3.3-18	Structural Arches and Embayments	Ator et al., 2005
3.3-18	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-19	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-19	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.3-20	Surface Water	New Hanover County Department of Information Technology, 2002.
3.3-20	Cross-section Line	Alexander and Wallace, 1980.
3.3-21	Surface Water	New Hanover County Department of Information Technology, 2002.
3.3-21	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-21	Road	New Hanover County Department of Information Technology, 2005d.
3.3-21	Building or Structure	New Hanover County Department of Information Technology, 2007.
3.3-21	Surface Water	New Hanover County Department of Information Technology, 2002.
3.3-22	Surface Water	New Hanover County Department of Information Technology, 2002.
3.3-22	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-22	Road	New Hanover County Department of Information Technology, 2005d.
3.3-22	Building or Structure	New Hanover County Department of Information Technology, 2007.
3.3-23	Streams	New Hanover County Department of Information Technology, 2002.

Figure Number	Name of Map Data Layer	Reference
3.3-23	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
3.3-23	Surface Water	New Hanover County Department of Information Technology, 2002.
3.3-23	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-23	Soil Associations	NRCS, 2006b.
3.3-23	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.3-24	Surface Water	New Hanover County Department of Information Technology, 2002.
3.3-24	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-24	Soil Types	NRCS, 2006a.
3.3-25	Wilmington Site Boundary	New Hanover County Department of Information Technology, 2005c.
3.3-25	Castle Hayne Quadrangle	USGS, 2007a.
3.3-30	Earthquake Epicenter	SEUSSN, 2008.
3.3-30	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-30	Elevation	NOAA, 2001.
3.3-30	Faults	North Carolina: Lawrence and Hoffman, 1993. NCGS, 1998. Virginia: Bailey, 2000. South Carolina: Maybin et al., 1998.
3.3-30	State Boundary	Tele Atlas North America and Geographic Data Technology, 2005e.
3.3-31	N/A	SEUSSN, 2008.
3.3-32	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-32	Approximate Earthquake Epicenter and Year	SEUSSN, 2008.

Figure Number	Name of Map Data Layer	Reference
3.3-32	Faults	North Carolina: Lawrence and Hoffman, 1993. NCGS, 1998. Virginia faults: Bailey, 2000. South Carolina: Maybin et al., 1998.
3.3-32	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.3-35	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.3-35	Earthquake Epicenter	SEUSSN, 2008.
3.3-35	Faults	North Carolina: Lawrence and Hoffman, 1993. NCGS, 1998. Virginia faults: Bailey, 2000. South Carolina: Maybin et al., 1998.
3.3-35	State Boundary	Tele Atlas North America and Geographic Data Technology, 2005e.
3.3-35	Rock Seismic Amplitude	USGS, 2007f.
3.4-1	N/A	Lautier, 1998.
3.4-2	Castle Hayne Aquifer Extent	NCDENR, 2007b.
3.4-2	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-2	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.4-3	Peedee Aquifer Extent	NCDENR, 2007e.
3.4-3	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-3	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.4-4	Black Creek Aquifer Extent	NCDENR, 2007a.
3.4-4	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-4	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.4-5	Upper Cape Fear Aquifer Extent	NCDENR, 2007f.
3.4-5	Wilmington Site	New Hanover County Department of Information Technology, 2005c.

Figure Number	Name of Map Data Layer	Reference
3.4-5	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.4-6	Lower Cape Fear Aquifer Extent	NC DENR, 2007c.
3.4-6	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-6	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.4-7	Surface Water	New Hanover County Department of Information Technology, 2002.
3.4-7	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-7	Building or Structure	New Hanover County Department of Information Technology, 2007.
3.4-7	Road	New Hanover County Department of Information Technology, 2005d.
3.4-7	Swampy Area	USGS, 2001.
3.4-9	N/A	Bain, 1970.
3.4-10	Western Extent of Semiconfing Unit	Bain, 1970.
3.4-10	Surface Water	New Hanover County Department of Information Technology, 2002.
3.4-10	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-10	Building	New Hanover County Department of Information Technology, 2007.
3.4-10	Swampy Area	USGS, 2001.
3.4-10	Roads	New Hanover County Department of Information Technology, 2005d.
3.4-12	Surface Water	New Hanover County Department of Information Technology, 2002.
3.4-12	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-12	Roads	New Hanover County Department of Information Technology, 2005d.
3.4-12	Building or Structure	New Hanover County Department of Information Technology, 2007.
3.4-13	Surface Water	New Hanover County Department of Information Technology, 2002.
3.4-13	Public Water Supply Water Sources	NC DENR, 2006.
3.4-13	Roads	New Hanover County Department of Information Technology, 2005d.
3.4-13	Wilmington Site	New Hanover County Department of Information Technology, 2005c.

Figure Number	Name of Map Data Layer	Reference
3.4-13	Building or Structure	New Hanover County Department of Information Technology, 2007.
3.4-13	Simulated Principal Aquifer Levels	RTI, 2002.
3.4-13	Swampy Area	USGS, 2001.
3.4-14	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.4-14	Surface Water	New Hanover County Department of Information Technology, 2002.
3.4-14	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-14	Swampy Area	USGS, 2001.
3.4-15	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.4-15	Surface Water	New Hanover County Department of Information Technology, 2002.
3.4-15	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-15	Swampy Area	USGS, 2001.
3.4-16	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.4-16	Surface Water	New Hanover County Department of Information Technology, 2002.
3.4-16	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-16	Swampy Area	USGS, 2001.
3.4-17	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.4-17	Surface Water	New Hanover County Department of Information Technology, 2002.
3.4-17	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-17	Swampy Area	USGS, 2001.
3.4-18	Rivers and Streams	ESRI, 2005a.
3.4-18	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-18	Northeast Cape Fear River Sub-basin	NRCS, 1998b.
3.4-18	Cape Fear River Basin	NRCS, 1998b.
3.4-18	Cape Fear River Sub-basin	NRCS, 1998b.
3.4-18	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.4-18	USGS Stream Gage	USGS, 2004b.

Figure Number	Name of Map Data Layer	Reference
3.4-19	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.4-19	Streams	New Hanover County Department of Information Technology, 2002.
3.4-19	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-20	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-20	Northeast Cape Fear River Sub-basin	NRCS, 1998b.
3.4-20	Cape Fear River Basin	NRCS, 1998b.
3.4-20	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.4-20	Highway	Tele Atlas North America, 2006b.
3.4-20	Interstate	Tele Atlas North America, 2006c.
3.4-20	Major Road	Tele Atlas North America, 2006e.
3.4-20	Rivers and Streams	ESRI, 2005a.
3.4-20	NCDENR DWQ Monitoring Stations	U.S. EPA, 2007b.
3.4-21	Major (>1 MGD) NPDES-permitted Discharges	NCDENR, 2006a.
3.4-21	Minor (<1 MGD) NPDES-permitted Discharges	NCDENR, 2006a.
3.4-21	Rivers of Interest	ESRI, 2005a.
3.4-21	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-21	Cape Fear River Basin	NRCS, 1998b.
3.4-21	Cape Fear River Sub-basin	NRCS, 1998b.
3.4-21	Northeast Cape Fear River Sub-basin	NRCS, 1998b.
3.4-21	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.4-21	Highway	Tele Atlas North America, 2006b.
3.4-21	Interstate	Tele Atlas North America, 2006d.
3.4-22	Surface Water	New Hanover County Department of Information Technology, 2002.
3.4-22	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-22	Road	New Hanover County Department of Information Technology, 2005d.
3.4-22	Building or Structure	New Hanover County Department of Information Technology, 2007.
3.4-24	Streams and Channels	NCDENR, 2006b.
3.4-24	Wilmington Site	New Hanover County Department of Information Technology, 2005c.

Figure Number	Name of Map Data Layer	Reference
3.4-25	100-year Floodplain	NC Floodplain Mapping Program, 2007a.
3.4-25	500-year Floodplain	NC Floodplain Mapping Program, 2007b.
3.4-25	Surface Water	New Hanover County Department of Information Technology, 2002.
3.4-25	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-25	Elevation Ranges	USGS, 2001.
3.4-26	Wetlands	U.S. FWS, 1999.
3.4-26	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.4-26	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-27	Peedee Aquifer Boundary	NC DENR, 2007e.
3.4-27	Peedee Fresh/Salt Transition Zone	NC DENR, 2007e.
3.4-27	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-27	Well Measurements	Wilson, 2007.
3.4-27	March 2007 Piezometric Surface	Wilson, 2007.
3.4-28	Peedee Aquifer Boundary	NC DENR, 2007e.
3.4-28	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-28	Well Measurements	Wilson, 2007.
3.4-28	Feb 2007 Piezometric Surface	Wilson, 2007.
3.4-29	Peedee Aquifer Boundary	NC DENR, 2007e.
3.4-29	Peedee Fresh/Salt Transition Zone	NC DENR, 2007e.
3.4-29	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.4-29	Elev. Decrease Rate (ft/yr)	Wilson, 2007.
3.5-1	Rivers or Streams	
3.5-1	Wilmington Site	Bailey, C.M. 2000. Major faults & high-strain zones in Virginia. In Teaching Resources: The Geology of Virginia. College of William and Mary, Department of Geology, Williamsburg, VA. Available at http://www.wm.edu/geology/virginia/provinces/pdf/va_faults.pdf .
3.5-1	Highway	Tele Atlas North America, 2006a.
3.5-1	Interstate	Tele Atlas North America, 2006d.
3.5-2	Primary Nursery Areas	NC Division of Marine Fisheries, 2007.
3.5-2	100-year Floodplain	NC Floodplain Mapping Program, 2007a.
3.5-2	500-year Floodplain	NC Floodplain Mapping Program, 2007b.

Figure Number	Name of Map Data Layer	Reference
3.5-2	Rare Natural Community	NCDENR, 2007d.
3.5-2	Rare Vascular Plant	NCDENR, 2007d.
3.5-2	Rare Vertebrate Animal	NCDENR, 2007d.
3.5-2	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.5-2	Unstable Soils (Site Only)	NRCS, 2006a.
3.5-2	Drained NWI Wetlands	U.S. FWS, 1999.
3.5-2	NWI Wetlands	U.S. FWS, 1999.
3.5-2	Steep Slopes (>10%)	USGS, 2001.
3.5-3	Rivers or Streams	National Atlas of the United States, 2005b.
3.5-3	Rare Nonvascular Plant	NCDENR, 2007d.
3.5-3	Rare Vascular Plant	NCDENR, 2007d.
3.5-3	Rare Vertebrate Animal	NCDENR, 2007d.
3.5-3	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.5-3	Highway	Tele Atlas North America, 2006a.
3.5-3	Interstate	Tele Atlas North America, 2006d.
3.6-1	Average Temperature (Celsius)	NOAA, 1996.
3.6-2	Maximum Temperature (Celsius)	NOAA, 1996.
3.6-2	Minimum Temperature (Celsius)	NOAA, 1996.
3.6-3	N/A	NOAA, 2004a.
3.6-4	Precipitation (mm)	NOAA, 1996.
3.6-5	N/A	NOAA, 2004a.
3.6-6	N/A	NOAA, 2005b.
3.6-7	N/A	NOAA, 2005b.
3.6-8	N/A	NOAA, 2005b.
3.6-9	N/A	NOAA, 2005b.
3.6-10	N/A	NOAA, 2005b.
3.6-11	N/A	NOAA, 2005b.
3.6-12	N/A	NOAA, 2005b.
3.6-13	N/A	NOAA, 2005b.
3.6-14	N/A	NOAA, 2005b.
3.6-15	N/A	NOAA, 2005b.
3.6-16	N/A	NOAA, 2005b.
3.6-17	N/A	NOAA, 2005b.
3.6-18	N/A	NOAA, 2005b.
3.6-19	N/A	NOAA, 2005b.
3.6-20	N/A	NOAA, 2005b.

Figure Number	Name of Map Data Layer	Reference
3.6-21	N/A	NOAA, 2005b.
3.6-22	N/A	Holzworth, 1972.
3.6-23	N/A	Holzworth, 1972.
3.6-24	N/A	Holzworth, 1972.
3.6-25	N/A	Holzworth, 1972.
3.6-26	N/A	Holzworth, 1972.
3.6-27	N/A	Holzworth, 1972.
3.6-28	N/A	Holzworth, 1972.
3.6-29	N/A	Holzworth, 1972.
3.6-30	N/A	Holzworth, 1972.
3.6-31	N/A	Holzworth, 1972.
3.6-32	N/A	NOAA, 2000.
3.6-33	Tornadoes	NOAA, 2005.
3.6-33	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.6-33	Counties	Tele Atlas North America, 2007b.
3.6-34	Hurricane Categories	National Atlas of the United States, 2005a.
3.6-35	Storm Surge	NOAA, 1999.
3.6-35	County Boundary	Tele Atlas North America, 2007c.
3.6-36	Water	ESRI, 2005b.
3.6-36	NCDAQ Station	NC DAQ, 2007b.
3.6-36	NCDAQ Station	NC DAQ, 2007a.
3.6-36	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.6-37	State Boundary	Tele Atlas North America and Geographic Data Technology, 2005e.
3.6-37	County Boundary	Tele Atlas North America, 2007c.
3.6-37	Ozone Non-Attainment Areas	U.S. EPA, 2007c.
3.6-37	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.6-38	State Boundary	Tele Atlas North America and Geographic Data Technology, 2005e.
3.6-38	County Boundary	Tele Atlas North America, 2007c.
3.6-38	PM _{2.5} Non-Attainment Areas	U.S. EPA, 2007c.
3.6-38	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.6-39	State Boundary	Tele Atlas North America and Geographic Data Technology, 2005e.
3.6-39	County Boundary	Tele Atlas North America, 2007c.
3.6-39	CO Maintenance Areas	U.S. EPA, 2007c.

Figure Number	Name of Map Data Layer	Reference
3.6-39	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.7-1	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.7-1	Streams	New Hanover County Department of Information Technology, 2002.
3.7-1	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.7-15	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.7-15	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.8-1	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.8-1	Castle Hayne Quadrangle	USGS, 2007a.
3.9-1	Visible Areas	NC DOT, 2007.
3.9-1	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.9-1	Roads	New Hanover County Department of Information Technology, 2007.
3.9-1	County Boundary	Tele Atlas North America, 2007c.
3.9-1	Incorporated City or Town	U.S. Census Bureau, 2000a.
3.9-1	Surface Water	USGS, 2005a.
3.9-1	Swamp/Marsh	USGS, 2005e.
3.9-9	Interstate	New Hanover County Department of Information Technology, 2005b.
3.9-9	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.9-9	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.9-9	Railroad	Tele Atlas North America and Geographic Data Technology, 2005d.
3.9-9	Secondary Road	Tele Atlas North America and Geographic Data Technology, 2006f.
3.9-9	Highway	Tele Atlas North America, 2006b.
3.9-9	Major Road	Tele Atlas North America, 2006e.
3.9-9	L.V. Sutton Electric Plant	U.S. EPA, 2008.
3.9-9	Surface Water	USGS, 2005e.
3.9-10	Natural Heritage Element	NCDENR, 2007d.
3.9-10	Significant Natural Heritage Areas	NCDENR, 2007d.
3.9-10	Swamp/Marsh	USGS, 2005e.

Figure Number	Name of Map Data Layer	Reference
3.9-10	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.9-10	County Boundary	Tele Atlas North America, 2007c.
3.9-10	Incorporated City or Town	U.S. Census Bureau, 2000a.
3.9-10	Surface Water	USGS, 2005a.
3.10-1	Population Centers	National Atlas of the United States, 2007.
3.10-2	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.10-2	Interstate	Tele Atlas North America, 2006d.
3.10-2	Highway	Tele Atlas North America, 2006a.
3.10-2	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.10-2	Percentage of Minorities	U.S. Census Bureau, 2007b.
3.10-3	Uninhabited Place	USGS, 2007h.
3.10-3	Populated Place	USGS, 2007e.
3.10-3	Schools	USGS, 2007g.
3.10-3	Church	USGS, 2007c.
3.10-3	Cemetery	USGS, 2007b.
3.10-3	Roads	Tele Atlas North America, 2006f.
3.10-4	Populated Place	USGS, 2007e.
3.10-4	Schools	USGS, 2007g.
3.10-4	Church	USGS, 2007c.
3.10-4	Cemetery	USGS, 2007b.
3.10-4	Roads	Tele Atlas North America, 2006f.
3.10-5	Populated Place	USGS, 2007e.
3.10-5	Church	USGS, 2007c.
3.10-5	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.10-5	Railroads	Tele Atlas North America and Geographic Data Technology, 2005d.
3.10-5	Interstate	Tele Atlas North America and Geographic Data Technology, 2006b.
3.10-5	Highway	Tele Atlas North America, 2006a.
3.10-5	Major Road	Tele Atlas North America, 2006a.
3.10-5	Secondary Road	Tele Atlas North America and Geographic Data Technology, 2006f.
3.10-5	Census Tract 011500, Census Block Group 1	Tele Atlas North America and Geographic Data Technology, 2007a.
3.10-5	Wilmington Site	New Hanover County Department of Information Technology, 2005c.

Figure Number	Name of Map Data Layer	Reference
3.10-6	Interstate	Tele Atlas North America, 2006d.
3.10-6	Highway	Tele Atlas North America, 2006a.
3.10-6	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.10-6	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.10-6	Percentage Living Below Poverty	U.S. Census Bureau, 2007a.
3.10-7	Population per Square Mile	Tele Atlas North America and Geographic Data Technology, 2005c.
3.10-7	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
3.10-7	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.10-7	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.10-8	Nursing Homes	Centers for Medicare and Medicaid Services, 2004.
3.10-8	Schools	ESRI, 2006c.
3.10-8	Fire Departments	ESRI Business Analyst, 2006a.
3.10-8	Hospitals	ESRI Business Analyst, 2006b.
3.10-8	Police Departments	ESRI Business Analyst, 2006c.
3.10-8	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.10-8	Urban Areas	U.S. Census Bureau, 2006.
3.11-1	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.11-1	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.11-2	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.11-2	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.11-3	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.11-3	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
3.12-1	NPDES Outfalls	NCDENR, 2006a.
3.12-1	Streams	New Hanover County Department of Information Technology, 2002.
3.12-1	Wilmington Site	New Hanover County Department of Information Technology, 2005c.
3.12-1	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.

Figure Number	Name of Map Data Layer	Reference
Chapter 4, Appendix R, Appendix S		
4.4-1	Streams	New Hanover County Department of Information Technology, 2002.
4.4-1	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-1	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
4.4-2	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-2	Streams	New Hanover County Department of Information Technology, 2002.
4.4-2	Castle Hayne Quadrangle	USGS, 2007a.
4.4-3	Streams	New Hanover County Department of Information Technology, 2002.
4.4-3	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-3	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
4.4-4	Streams	New Hanover County Department of Information Technology, 2002.
4.4-4	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-4	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
4.4-5	Streams	New Hanover County Department of Information Technology, 2002.
4.4-5	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-5	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
4.4-6	Streams	New Hanover County Department of Information Technology, 2002.
4.4-6	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-6	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
4.4-7	Streams	New Hanover County Department of Information Technology, 2002.
4.4-7	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-7	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
4.4-8	Streams	New Hanover County Department of Information Technology, 2002.

Figure Number	Name of Map Data Layer	Reference
4.4-8	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-8	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
4.4-9	Simulated groundwater elevation (ft, msl)	Bain, 1970.
4.4-9	Western extent of semiconfining unit	Bain, 1970.
4.4-9	Roads	New Hanover County Department of Information Technology, 2005b.
4.4-9	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-9	Surface Water	New Hanover County Department of Information Technology, 2002.
4.4-9	Building or Structure	New Hanover County Department of Information Technology, 2007.
4.4-9	Swampy Area <6ft MSL	USGS, 2001.
4.4-10	Roads	New Hanover County Department of Information Technology, 2005b.
4.4-10	Western Extent of Semiconfining Unit	Bain, 1970.
4.4-10	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-10	Surface Water	New Hanover County Department of Information Technology, 2002.
4.4-10	Building or Structure	New Hanover County Department of Information Technology, 2007.
4.4-10	Swampy Area <6ft MSL	USGS, 2001.
4.4-11	Simulated Groundwater Elevation (ft, msl)	Bain, 1970.
4.4-11	Western Extent of Semiconfining Unit	Bain, 1970.
4.4-11	Roads	New Hanover County Department of Information Technology, 2005b.
4.4-11	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.4-11	Surface Water	New Hanover County Department of Information Technology, 2002.
4.4-11	Building or Structure	New Hanover County Department of Information Technology, 2007.
4.4-11	Swampy Area <6ft MSL	USGS, 2001.
4.4-12	Roads	New Hanover County Department of Information Technology, 2005b.
4.4-12	Western Extent of Semiconfining Unit	Bain, 1970.
4.4-12	Wilmington Site	New Hanover County Department of Information Technology, 2005a.

Figure Number	Name of Map Data Layer	Reference
4.4-12	Surface Water	New Hanover County Department of Information Technology, 2002.
4.4-12	Building or Structure	New Hanover County Department of Information Technology, 2007.
4.4-12	Swampy Area <6ft MSL	USGS, 2001.
4.5-1	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.5-1	Rivers or Streams	National Atlas of the United States, 2005b.
4.5-1	Interstate	Tele Atlas North America, 2006d.
4.5-1	Highway	Tele Atlas North America, 2006a.
4.5-2	Vascular Plant	NCDENR, 2007d.
4.5-2	Vertebrate Animal	NCDENR, 2007d.
4.5-2	Interstate	Tele Atlas North America, 2006d.
4.5-2	Highway	Tele Atlas North America, 2006a.
4.5-2	Rivers or Streams	National Atlas of the United States, 2005b.
4.5-2	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.7-1	Roads	New Hanover County Department of Information Technology, 2005b.
4.7-1	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.7-2	Roads	New Hanover County Department of Information Technology, 2005b.
4.7-2	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.7-3	Roads	New Hanover County Department of Information Technology, 2005b.
4.7-3	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.7-4	Roads	New Hanover County Department of Information Technology, 2005b.
4.7-4	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.7-5	Roads	New Hanover County Department of Information Technology, 2005b.
4.7-5	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.7-6	Roads	New Hanover County Department of Information Technology, 2005b.
4.7-6	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.7-7	Roads	New Hanover County Department of Information Technology, 2005b.

Figure Number	Name of Map Data Layer	Reference
4.7-7	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.8-1	Castle Hayne Quadrangle	USGS, 2007a.
4.8-1	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.11-1	Interstate	Tele Atlas North America, 2006d.
4.11-1	Highway	Tele Atlas North America, 2006a.
4.11-1	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
4.11-1	Percentage of Minorities	U.S. Census Bureau, 2007b.
4.11-1	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.11-2	County Boundary	Tele Atlas North America and Geographic Data Technology, 2005b.
4.11-2	Percentage Living Below Poverty	U.S. Census Bureau, 2007a.
4.11-2	Interstate	Tele Atlas North America, 2006d.
4.11-2	Highway	Tele Atlas North America, 2006a.
4.11-2	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.12-1	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.12-1	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
4.12-2	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
4.12-2	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
R-2	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
R-3	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
R-4	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
R-5	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
R-6	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
S-3	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
S-2	Schools	USGS, 2007g.
S-2	Wilmington Site	New Hanover County Department of Information Technology, 2005a.

Figure Number	Name of Map Data Layer	Reference
S-1	Wilmington Site	New Hanover County Department of Information Technology, 2006.
S-1	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
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6-1	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.
6-2	Roads	New Hanover County Department of Information Technology, 2005b.
6-2	Western Extent of Semiconfining Unit	Bain, 1970.
6-2	Surface Water	New Hanover County Department of Information Technology, 2002.
6-2	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
6-2	Building or Structure	New Hanover County Department of Information Technology, 2007.
6-2	Swampy Area	USGS, 2001.
6-3	Wilmington Site	New Hanover County Department of Information Technology, 2005a.
6-3	New Hanover County Aerial Photography	New Hanover County Department of Information Technology, 2006.

Appendix B

Regulatory Correspondence

- Letter to U.S. Army Corps of Engineers dated September 28, 2007 (attachments excluded)
- Letter to U.S. Army Corps of Engineers dated December 20, 2007
- U.S. Army Corps of Engineers Notification of Jurisdictional Determination dated January 22, 2008
- Letter to U.S. Fish and Wildlife Service dated October 8, 2007 (attachments excluded)
- Letter from U.S. Fish and Wildlife Service dated January 16, 2008
- Letter to North Carolina Division of Coastal Management dated November 19, 2007 (attachments excluded)
- Letter from North Carolina Division of Coastal Management dated February 13, 2008
- Letter to the North Carolina State Historic Preservation Office dated October 1, 2007
- Letter from the North Carolina State Historic Preservation Office dated November 19, 2007
- Report Transmittal Letter to the North Carolina State Historic Preservation Office dated March 11, 2008 (see Appendix O for the referenced archeological investigation report)
- Letter from the North Carolina State Historic Preservation Office dated April 9, 2008 (see Appendix O for the referenced archeological investigation report)

September 28, 2007

Ms. Jennifer Frye
U.S. Army Corps of Engineers – Wilmington District
Post Office Box 1890
Wilmington, NC 28401-1890

Subject: Jurisdictional Determination Request
General Electric-Hitachi Nuclear Energy Americas, LLC, Wilmington, NC
RTI Project No. 0210753

Dear Ms. Frye:

On behalf of General Electric-Hitachi Nuclear Energy Americas, LLC (GE-H), RTI International (RTI) is requesting a jurisdictional determination within the study area depicted in Figures 1 and 2 (attached). The mailing address of the property owner and physical address of the property are as follows.

Property Owner: General Electric-Hitachi Nuclear Energy Americas, LLC

Mailing Address:

Post Office Box 780
Wilmington, NC 28402

Physical Address:

3901 Castle Hayne Road
Wilmington, NC 28401

The project is located in New Hanover County, North Carolina and the Parcel ID number is R01700-001-001-000. The total area of the parcel is 1,621 acres, with approximately 320 acres previously developed for industrial use. The GE-H property is bordered by NC 133 (previously US-117) on the east, the recently constructed I-140 bypass on the south, and the Northeast Cape Fear River on the west (Figure 1). The study area currently being evaluated for new industrial development is 265 acres, which includes two potential on-site access-road corridors. The Northeast Cape Fear River is the nearest named body of water to the study area and is located within HUC 03030007. The access-road corridor portions of the study area cross an unnamed tributary to the Northeast Cape Fear River and an unnamed tributary to Prince George Creek (see Figures 1 and 2).

As depicted on Figure 3, the study area has been generally divided into four regions (A-D) to facilitate discussion of the results of field investigations and delineation of surface waters. The jurisdictional surface waters (and associated non-jurisdictional features) within these four regions are depicted in Figures 4A through 4K (see also the attached Figure 4 index map). The following table summarizes the jurisdictional and non-jurisdictional surface waters within the study area, and discussions of the study area regions are presented after the table.

Surface Water	Area (acres)	Type	Study Area Region	Delineation Maps
Wetland A	0.07	Isolated, non-jurisdictional	C	4L
Wetland B	0.11	Isolated, non-jurisdictional	C	4M
Wetland C	0.23	Headwater wetland adjacent to a non-RPW	C	4M
Wetland D	0.20	Riparian wetland adjacent to a RPW	D	4N
Wetland E	0.44	Riparian/swamp forest wetland abutting a RPW	A	4A, 4B
Stream WDS	0.05 (175 linear feet)	RPW	D	4N
Stream WES	0.29 (217 liner feet)	RPW	A	4A

RPW = relatively permanent water

- **Region A (see delineation maps 4A and 4B):** This 200-ft wide portion of study area is centered on an existing 2-lane gravel road that crosses an unnamed tributary to the Northeast Cape Fear River (delineated as points WES) and its abutting riparian wetland and swamp forest wetland (delineated as points WE).
- **Region B (see delineation maps 4C through 4K):** This portion of the study area is approximately 200 acres and is the location of the proposed industrial development. GE-H estimates that about 50 acres will be developed for the industrial project within Region B, but the exact location and layout of the facilities are still being evaluated. No jurisdictional wetlands or streams are located within this region of the study area. The majority of Region B is planted as loblolly or longleaf pine and contains drainage ditches. These ditches are non-RPWs that indirectly flow to a traditional navigable water. It is requested that the USCOE makes the determination of significant nexus for these features. Table 1 lists the size and field observed characteristics of these features. Those features potentially exhibited ordinary high water marks (OHWMs) are shown with and an asterisk (*). The new *Approved Jurisdictional Determination Form* for Region B is attached.

Ditch ID	BH	W(tob)	W(bot)	OHWM	Field Observations (9/4/07 - 9/7/07)	Delineation Map
DA	2-4	2-4	4-7		no active signs of water flow; old signs of shelving, wracking, and undercutting	4I, 4J
DB	4	6-8	4-5	*	shelving, undercutting, sphagnum moss present	4G, 4I, 4J, 4K
DC	3	4-5	2-3	*	sphagnum moss present; shelving	4H

Ditch ID	BH	W(tob)	W(bot)	OHWL	Field Observations (9/4/07 - 9/7/07)	Delineation Map
DD	3-4	6-8	5		no signs of recent flow; no vegetation in channel; abundant pine needles; old signs of shelving, wracking and undercutting	4D, 4E, 4H, 4I
DF	3-5	3	1	*	sorting of bed material, wracking, shelving, evidence of flow (plugged at DF3)	4E, 4F
DG	3-4	4-5	2	*	sphagnum, scripus; standing water at DG3 ends at gravel road	4E, 4F
DH	2-4	3-6	1-2		vegetation thick throughout; no signs of flowing water; sparse; old signs of shelving, wracking, undercutting, and sphagnum	4F, 4G, 4I, 4J
DI	4-5	3-4	2-3	*	moderate evidence of water; shelving, undercutting; green sphagnum;	4C, 4D
DJ	2	3-4	1-1.5		no evidence of flow or water mark; shallow; grades to upland	4C, 4D
DK	3-3.5	3-4	2-3		heavy pine litter; no signs of flow	4C, 4D
DL	2	3-4	2-3		no active sign of flow or standing water	4C, 4D
DM	3-3.5	4	1.5-2	*	damp at bottom of ditch; no signs of flow; shelving, changes in the soil; sediment sorting	4M

BH = bank height, feet; W(tob)= width at top of bank, feet; W(bot) = width at bottom of channel, feet; OHWM = ordinary high water mark; * = indicated possible signs of OHWM

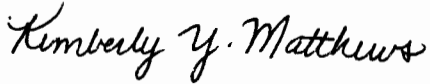
- **Region C (see delineation maps 4L and 4M):** This 200-ft wide portion of the study area generally follows an existing, 2-lane gravel road with a small portion of new alignment. This region contains 2 isolated wetlands (depicted by points WA and WB) and headwater wetland (depicted by points WC) hydrologically connected by a non-RPW (ditch DM) to the unnamed tributary to Prince George Creek (a RPW depicted by points WDS).
- **Region D (see delineation maps 4N and 4O):** This portion of the study area is a potential stream crossing of a segment of a 200-ft wide corridor under consideration for a new access road to the property. This region contains the unnamed tributary to Prince George Creek (depicted as WD) and riparian wetlands (depicted by points WDS) that are adjacent to the tributary.

Attached to this letter is a list of coordinates for the wetlands delineation points depicted in Figures 4A through 4O. Data collections points for the attached *USCOE Routine Wetland Delineation Forms* are circled on these figures. Also enclosed are three *Approved Jurisdictional Determination Forms* for surface waters draining to the unnamed tributary of Northeast Cape Fear River (Region A), for the potential non-RPWs of Region B, and for the surface waters draining to the unnamed tributary to Prince George Creek (combined for Regions C and D).

Upon receipt and review of the enclosed information, we request a meeting for a determination of the jurisdictional surface waters within the 265-acre study area depicted in Figures 1 and 2. We are

available to meet on-site at your earliest convenience. If you have additional questions, please contact me at 919-316-3366.

Sincerely,



Kimberly Y. Matthews
Environmental Scientist

Driving directions to the site from downtown Wilmington: Go north on US-17/Market Street. Turn right onto North 23rd street and travel for 2.5 miles. Turn right onto Castle Hayne Road/NC-133. At approximately 3.4 miles, Castle Hayne Road/NC-133 intersects I-140. Continue under the I-140 overpass and make the next left into the south gate of GE property. You will have to park before going through the gate, register as a visitor with the facility security staff, and be escorted onto the site.

Attachments:

- Figure 1 – Vicinity Map
- Figure 2 – Site Map
- Figure 3 – Regions of the Study Area
- Figure 4 – Jurisdictional Determination of Surface Waters, Index Map
- Figure 4A through 4O – Jurisdictional Determination of Surface Waters, Delineation Maps
- Figure 5 – Soil Survey
- A. Written Authorization for Site Access
- B. USCOE Routine Wetland Determination Forms (1987 Manual) (5 sets)
- C. Coordinates of the Delineation Points
- D. NCDWQ Wetland Rating Forms (5)
- E. USCOE Stream Quality Assessment Forms (2)
- F. NCDWQ Stream Identification Forms (2)
- G. USCOE Approved Jurisdictional Determination Forms (2007) (3)

Copies transmitted to:

Al Kennedy (GE-H)
Chris Monetta (GE-H)
Troy Beasley (Withers and Ravenel)
Joe Alexander (RTI)
Andrew Stahl (RTI)

December 20, 2007

Ms. Jennifer Frye
US Army Corps of Engineers
Wilmington Regulatory Field Office
69 Darlington Avenue
Wilmington, NC 28403

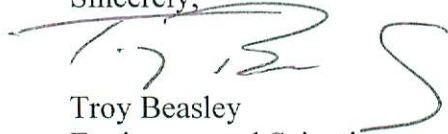
Re: General Electric–Hitachi Nuclear Energy Americas, LLC

Ms. Frye:

Attached to this letter are five copies of the wetland survey of the onsite jurisdictional areas as approved based on the information submitted by RTI International and the field visit on October 16, 2007. Upon approval/signature of the enclosed surveys, please return all extra copies to Withers and Ravenel to my attention.

Please feel free to call me if you have any questions.

Sincerely,



Troy Beasley
Environmental Scientist

**U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT**

Action Id. SAW-2008-00188 County: New Hanover U.S.G.S. Quad: Castle Hayne

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property Owner/Agent: General Electric-Hitachi Nuclear Energy Americas, LLC

Address: Post Office Box 780
Wilmington, NC 28402

Telephone No.: _____

Property description:

Size (acres)	<u>265</u>	Nearest Town	<u>Wilmington</u>
Nearest Waterway	<u>Northeast Cape Fear River</u>	River Basin	<u>Northeast Cape Fear River</u>
USGS HUC	<u>03030007</u>	Coordinates	<u>N 34.3275 W 77.9294</u>

Location description The project area is located within the larger 1,621 acre parcel (PIN: R01700-001-001-000), at 3901 Castle Hayne Road, northwest of the I-140/NC Highway 133 Interchange, in adjacent wetlands and unnamed tributaries to Prince George Creek and the Northeast Cape Fear River, north of Wilmington, NC.

Indicate Which of the Following Apply:

A. Preliminary Determination

- Based on preliminary information, there may be wetlands on the above described property. We strongly suggest you have this property inspected to determine the extent of Department of the Army (DA) jurisdiction. To be considered final, a jurisdictional determination must be verified by the Corps. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331).

B. Approved Determination

- There are Navigable Waters of the United States within the above described property subject to the permit requirements of Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

- There are waters of the U.S. including wetlands on the above described project area subject to the permit requirements of Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

We strongly suggest you have the wetlands on your property delineated. Due to the size of your property and/or our present workload, the Corps may not be able to accomplish this wetland delineation in a timely manner. For a more timely delineation, you may wish to obtain a consultant. To be considered final, any delineation must be verified by the Corps.

The wetland on your property have been delineated and the delineation has been verified by the Corps. We strongly suggest you have this delineation surveyed. Upon completion, this survey should be reviewed and verified by the Corps. Once verified, this survey will provide an accurate depiction of all areas subject to CWA jurisdiction on your property which, provided there is no change in the law or our published regulations, may be relied upon for a period not to exceed five years.

The waters of the U.S. including wetlands have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on 1/22/2008. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

- There are no waters of the U.S., to include wetlands, present on the above described property which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

Action ID: 2008-00188

The property is located in one of the 20 Coastal Counties subject to regulation under the Coastal Area Management Act (CAMA). You should contact the Division of Coastal Management in Wilmington, NC, at (910) 796-7215 to determine their requirements.

Placement of dredged or fill material within waters of the US and/or wetlands without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). If you have any questions regarding this determination and/or the Corps regulatory program, please contact Jennifer Frye at 910-251-4923.

C. Basis For Determination

This site exhibits wetland criteria as described in the 1987 Corps Wetland Delineation Manual and is adjacent to unnamed tributaries to Prince Georges Creek and the Northeast Cape Fear River, Navigable Waters of the U.S. This project area also contains waterbodies that exhibit an Ordinary High Water Mark and are tributaries to Prince George Creek and NE Cape Fear River. This determination is based on information submitted by RTI International and a site visit by Jennifer Frye on 10/16/2007.

D. Remarks

Please be aware that this property also contains non-jurisdictional, isolated wetlands. Please contact the North Carolina Division of Water Quality at (919) 733-1786 to discuss the State's regulations and requirements for these waters. It was determined that these wetlands are not bordering, neighboring or contiguous with any Section 404 jurisdictional waterbody.

E. Appeals Information (This information applies only to approved jurisdictional determinations as indicated in B. above)

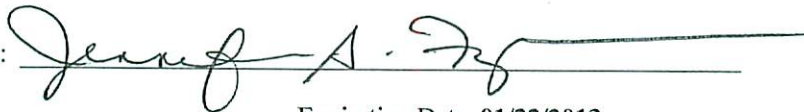
This correspondence constitutes an approved jurisdictional determination for the above described site. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and request for appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the following address:

District Engineer, Wilmington Regulatory Division
Attn: Jennifer Frye, Project Manager,
Wilmington Regulatory Field Office
PO Box 1890
Wilmington, North Carolina 28402

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR part 331.5, and that it has been received by the District Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by 3/22/2008.

****It is not necessary to submit an RFA form to the District Office if you do not object to the determination in this correspondence.****

Corps Regulatory Official:



Date 01/22/2008

Expiration Date 01/22/2013

The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete the Customer Satisfaction Survey located at our website at <http://regulatory.usacesurvey.com/> to complete the survey online.

Copy furnished:

Chad Coburn, DENR-DWQ, Wilmington Regional Office, 127 Cardinal Drive Ext., Wilmington, NC 28405

RTI International, PO Box 12194, Research Triangle Park, NC 27709-2194

Withers & Ravenel, 7040 Wrightsville Ave., Suite 101, Wilmington, NC 28403

October 8, 2007

Mr. John Hammond, Biologist
U.S. Fish and Wildlife Service
Raleigh Field Office
P.O. Box 33726
Raleigh, NC 27636 - 3726

SUBJECT: Request for information regarding endangered species and critical habitat for a potential facility expansion at GE-H in Wilmington, North Carolina

Dear Mr. Hammond,

General Electric-Hitachi Nuclear Energy Americas, LLC (GE-H) is considering a business expansion that would include construction, start-up, and operation of a new manufacturing facility at its property located near Wilmington, NC. The potential project is located in New Hanover County, North Carolina and the Parcel ID number is R01700-001-001-000. The total area of the parcel is 1,621 acres with approximately 320 acres currently developed for industrial use. The GE-H property is bordered by NC 133 (previously US-117) on the east, the recently constructed I-140 bypass on the south, and the Northeast Cape Fear River on the west (Figure 1). The action area currently being evaluated for new industrial development is 265 acres, which includes two potential on-site access-road corridors (Figure 2). The coordinates for the center of the study area are 34.333923 °N and -77.945009 °W.

Please provide information that you have regarding the presence of endangered or threatened species or critical habitat in the action area. After assessing the information provided by you, we will determine what additional actions are necessary to comply with the Section 7 consultation process.

If you have any questions, please contact me at 919-316-3366.

Sincerely,

Kimberly Y. Matthews
Environmental Scientist
RTI, International

Attachments:

Figure 1: Vicinity Map (Topography)

Figure 2: Site Map (Aerial Photo)

Copies transmitted to:

Al Kennedy (GE-H)

Joe Alexander (RTI)

Andrew Stahl (RTI)



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Raleigh Field Office
Post Office Box 33726
Raleigh, North Carolina 27636-3726

January 16, 2008

Ms. Kimberly Y. Matthews
RTI International
Post Office Box 12194
Research Triangle Park, North Carolina 27709-2194

Dear Ms. Matthews,

This follows U.S. Fish and Wildlife Service (Service) review of your November 19, 2007, letter regarding a facilities expansion proposed by General Electric-Hitachi Nuclear Energy Americas, LLC (GE-H) on its property in Wilmington in New Hanover County, North Carolina and your request for information pertaining to federally protected species known to occur in New Hanover County. The proposed expansion would take place on Parcel ID number R01700-001-000. The total area of the parcel is 1,621 acres, 320 of which are currently developed for industrial use. The GE-H property is bordered by NC 133 on the east, I-140 bypass on the south, and the Northeast Cape Fear River on the west. The proposed project location covers about 265 acres, which includes two potential on-site access roads. The center of the project is recorded as 34.333923° N and -77.945009° W. Our comments are provided in accordance with the Endangered Species Act of 1973, as amended (16 USC 1531 et seq.).

We have enclosed a list of endangered, threatened, and federal species of concern for New Hanover County, North Carolina to assist you in the planning of any actions that may affect listed species. The Service further advises that should any species occurring in the proposed project area become federally-listed or proposed, the federal action agency for the work would also be required to reevaluate its responsibilities under the Act. Since threatened and endangered species data are continually updated, the Service suggests the lead federal agency annual request an updated federal list of the species in the project area. A current list of federally protected species can be found on line at <http://nc-es.fws.gov/es/countyfr.html>.

If the project will not involve the removal of any suitable foraging and/or nesting habitat for the RCW, complete surveys of the project site may not be needed. However, surveys should "...be undertaken prior to the initiation of any project within the southeastern United States that calls for removal of pine trees 30 years or older; ..." For additional guidance for conducting RCW surveys please refer to Appendix 4 of the Service's "Recovery plan for the red-cockaded woodpecker (*Picoides borealis*), second revision" (Service 2003). The Recovery Plan can be found electronically at the following web link:
http://www.fws.gov/rcwrecovery/recovery_plan.html

If you have any questions regarding this matter, please contact Mr. John Hammond at 919-856-4520 (Ext. 28). Thank you for your continued cooperation with our agency.

Sincerely,


Pete Benjamin
Field Supervisor

Literature Cited:

U.S. Fish and Wildlife Service. 2003. Recovery plan for the red-cockaded woodpecker (*Picoides borealis*): second revision. U.S. Fish and Wildlife Service, Atlanta, GA. 296 pp.

Endangered Species, Threatened Species, Federal Species of Concern, and Candidate Species,

New Hanover County, North Carolina

Updated: 12-20-2007

Critical Habitat Designations:

Piping plover - *Charadrius melodus* - See the Federal Register for a description of the primary constituent elements essential for the conservation of wintering piping plovers within the designated units. This document also contains a map and a description of each designated unit. **Federal Register Reference:** July 10, 2001, Federal Register, 66:36038?36136.

Common Name	Scientific name	Federal Record Status	Status
Vertebrate:			
<u>American alligator</u>	<i>Alligator mississippiensis</i>	T (S/A)	Current
American eel	<i>Anguilla rostrata</i>	FSC	Current
Carolina crawfish frog	<i>Rana capito capito</i>	FSC	Current
Eastern painted bunting	<i>Passerina ciris ciris</i>	FSC	Current
<u>Green sea turtle</u>	<i>Chelonia mydas</i>	T	Current
<u>Loggerhead sea turtle</u>	<i>Caretta caretta</i>	T	Current
Mimic glass lizard	<i>Ophisaurus mimicus</i>	FSC	Historic
Northern pine snake	<i>Pituophis melanoleucus melanoleucus</i>	FSC	Current
<u>Piping plover</u>	<i>Charadrius melodus</i>	T	Current
Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>	FSC	Current
<u>Red-cockaded woodpecker</u>	<i>Picoides borealis</i>	E	Current
<u>Shortnose sturgeon</u>	<i>Acipenser brevirostrum</i>	E	Current
Southeastern myotis	<i>Myotis austroriparius</i>	FSC	Current
Southern hognose snake	<i>Heterodon simus</i>	FSC	Current
<u>West Indian manatee</u>	<i>Trichechus manatus</i>	E	Current
Invertebrate:			
Buchholz's dart moth	<i>Agrotis buchholzi</i>	FSC	Current
Cape Fear threetooth	<i>Triodopsis soelneri</i>	FSC	Current
Eastern beard grass skipper	<i>Atrytone arogos arogos</i>	FSC	Obscure

Common Name	Scientific name	Federal Status	Record Status
Greenfield rams-horn	<i>Helisoma eucosmium</i>	FSC	Historic
Loammi skipper	<i>Atrytonopsis loammi</i>	FSC	Obscure
Magnificent rams-horn	<i>Planorbella magnifica</i>	FSC	Historic
Rare skipper	<i>Problema bulenta</i>	FSC	Current
Vascular Plant:			
Bog St. John's-wort	<i>Hypericum adpressum</i>	FSC	Historic
Carolina bishopweed	<i>Ptilimnium ahlesii</i>	FSC	Current
Carolina lead-plant	<i>Amorpha georgiana</i> var. <i>confusa</i>	FSC	Historic
Coastal beaksedge	<i>Rhynchospora pleiantha</i>	FSC	Current
Coastal goldenrod	<i>Solidago villosicarpa</i>	FSC	Historic
Dune blue curls	<i>Trichostema</i> sp. 1	FSC	Current
False coco	<i>Pteroglossaspis ecristata</i>	FSC	Historic
Grassleaf arrowhead	<i>Sagittaria weatherbiana</i>	FSC	Current
Pickering's daffodil	<i>Stylisma pickeringii</i> var. <i>pickeringii</i>	FSC	Current
Pondspice	<i>Litsea aestivalis</i>	FSC	Current
Raven's boxseed	<i>Ludwigia ravenii</i>	FSC	Historic
<u>Rough-leaved loosestrife</u>	<i>Lysimachia asperulaefolia</i>	E	Current
Sandhills milk-vetch	<i>Astragalus michauxii</i>	FSC	Historic
<u>Seabeach amaranth</u>	<i>Amaranthus pumilus</i>	T	Current
Small-leaved meadow-rue	<i>Thalictrum macrostylum</i>	FSC	Current
Spring-flowering goldenrod	<i>Solidago verna</i>	FSC	Current
Tough bumelia	<i>Sideroxylon tenax</i>	FSC	Historic
Venus' fly-trap	<i>Dionaea muscipula</i>	FSC	Current

Nonvascular plant:

Lichen:

Definitions of Federal Status Codes:

E = endangered. A taxon "in danger of extinction throughout all or a significant portion of its range."

T = threatened. A taxon "likely to become endangered within the foreseeable future throughout all or a significant portion of its range."

C = candidate. A taxon under consideration for official listing for which there is sufficient information to support listing. (Formerly "C1" candidate species.)

Definitions of Federal Status Codes (continued):

BGPA =Bald and Golden Eagle Protection Act. See below.

FSC = federal species of concern. A species under consideration for listing, for which there is insufficient information to support listing at this time. These species may or may not be listed in the future, and many of these species were formerly recognized as "C2" candidate species.

T(S/A) = threatened due to similarity of appearance. A taxon that is threatened due to similarity of appearance with another listed species and is listed for its protection. Taxa listed as T(S/A) are not biologically endangered or threatened and are not subject to Section 7 consultation. See below.

EXP = experimental population. A taxon listed as experimental (either essential or nonessential). Experimental, nonessential populations of endangered species (e.g., red wolf) are treated as threatened species on public land, for consultation purposes, and as species proposed for listing on private land.

P = proposed. Taxa proposed for official listing as endangered or threatened will be noted as "PE" or "PT", respectively.

Bald and Golden Eagle Protection Act (BGPA):

In the July 9, 2007 Federal Register(72:37346-37372), the bald eagle was declared recovered, and removed (de-listed) from the Federal List of Threatened and Endangered wildlife. This delisting took effect August 8,2007. After delisting, the Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668-668d) becomes the primary law protecting bald eagles. The Eagle Act prohibits take of bald and golden eagles and provides a statutory definition of "take" that includes "disturb". The USFWS has developed National Bald Eagle Management Guidelines to provide guidance to land managers, landowners, and others as to how to avoid disturbing bald eagles. For more information, visit <http://www.fws.gov/migratorybirds/baldeagle.htm>

Threatened due to similarity of appearance(T(S/A)):

In the November 4, 1997 Federal Register (55822-55825), the northern population of the bog turtle (from New York south to Maryland) was listed as T (threatened), and the southern population (from Virginia south to Georgia) was listed as T(S/A) (threatened due to similarity of appearance). The T(S/A) designation bans the collection and interstate and international commercial trade of bog turtles from the southern population. The T(S/A) designation has no effect on land management activities by private landowners in North Carolina, part of the southern population of the species. In addition to its official status as T(S/A), the U.S. Fish and Wildlife Service considers the southern population of the bog turtle as a Federal species of concern due to habitat loss.

Definitions of Record Status:

Current - the species has been observed in the county within the last 50 years.

Historic - the species was last observed in the county more than 50 years ago.

Obscure - the date and/or location of observation is uncertain.

Incidental/migrant - the species was observed outside of its normal range or habitat.

Definitions of Record Status (continued):

Probable/potential - the species is considered likely to occur in this county based on the proximity of known records (in adjacent counties), the presence of potentially suitable habitat, or both.

November 19, 2007

Mr. Robb Mairs
North Carolina Division of Coastal Management
Wilmington Field Office
127 Cardinal Drive Ext.
Wilmington, NC 28405-3845

SUBJECT: Request determination for the need of a CAMA permit for a potential facility expansion at GE-H in Wilmington, North Carolina

Dear Mr. Mairs,

General Electric-Hitachi Nuclear Energy Americas, LLC (GE-H) is considering a business expansion that would include construction, start-up, and operation of a new manufacturing facility at its property located near Wilmington, NC. The potential project is located in New Hanover County, North Carolina and the Parcel ID number is R01700-001-001-000. The total area of the parcel is 1,621 acres with approximately 320 acres currently developed for industrial use. The GE-H property is bordered by NC 133 (previously US-117) on the east, the recently constructed I-140 bypass on the south, and the Northeast Cape Fear River on the west (Figure 1). The study area currently being evaluated for new industrial development is 265 acres, which includes two potential on-site access-road corridors (Figure 2). The coordinates for the center of the study area are 34.333923 °N and -77.945009 °W.

Please determine if construction activities within the study area would require a Coastal Area Management Act (CAMA) permit. Please let me know if you need a site visit or additional information to make this determination. It is likely that you will review this project through a federal consistency review. We request a written response that will be included a part of this review material.

If you have any questions, please contact me at 919-316-3366.

Sincerely,

Kimberly Y. Matthews
Environmental Scientist
RTI, International

Attachments:

Figure 1: Vicinity Map (Topography)

Figure 2: Site Map (Aerial Photo)

Copies transmitted to:

Al Kennedy (GE-H)
Joe Alexander (RTI)
Andrew Stahl (RTI)



North Carolina Department of Environment and Natural Resources
Division of Coastal Management

Michael F. Easley, Governor

James H. Gregson, Director

William G. Ross Jr., Secretary

February 13, 2008

Kimberly Y. Matthews
RTI International
3040 Cornwallis Road
P.O. Box 12194
Research Triangle Park, N.C. 27709-2194

Dear Ms. Matthews:

This is in response to your letter dated December 21, 2007 and our last correspondence through email on January 14, 2008, which pertains to General Electric-Hitachi Nuclear Americas, LLC (GEH) consideration on expansion of their existing facility, adjacent to the Northeast Cape Fear River (NECFR) and its tributaries, in New Hanover County. Based on the information provided by you, it appears the work would be located outside the nearest Area of Environmental Concern (AEC). Our jurisdiction within this project area includes any development below mean high water (MHW) of the NECFR or its tributaries, and 75' from MHW landward of the NECFR, and 30' landward of MHW of its tributaries. However, if the work is outside the AEC, we may still review the proposal through a federal consistency review if the U.S. Corps of Engineers decides to pursue an Individual Permit (IP). Please let me know if you need any further assistance on this matter at 910-796-7215.

Sincerely,

Robb L. Mairs,
Field Representative

Cc: Doug Huggett, DCM
Dave Timpy, USACOE
Wilmington Files

ENVIRONMENTAL SERVICES, INC.

524 S. NEW HOPE ROAD
RALEIGH, NORTH CAROLINA 27610
919-212-1760 • FAX 919-212-1707
www.environmentalservicesinc.com

1 October 2007

Peter Sandbeck
Deputy State Historic Preservation Officer
North Carolina State Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617

Re: GE facility, New Hanover County, North Carolina


Dear Peter:

Environmental Services, Inc., (ESI) is assisting RTI International in the preparation of environmental documents for proposed improvements to the General Electric facility in New Hanover County, North Carolina. The study area covers 265 acres, including 63 acres of proposed road corridors and a main area of 202 acres (**Figure**). This project is subject to both Section 106 of the *National Historic Preservation Act* and the *National Environmental Policy Act*. ESI is requesting formal regulatory comment on the project from the North Carolina State Historic Preservation Office to assist in this study.

If you have any questions or comments, please feel free to call me at (919) 212-1760.

Sincerely,

ENVIRONMENTAL SERVICES, INC.



Scott Seibel, RPA
Assistant Vice President

Encl.



SITING STUDY AREA

ROAD CORRIDOR

ROAD CORRIDOR

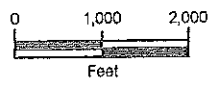
EAST

CAPE

Unexcluded Areas

Site_Parcel_Boundary

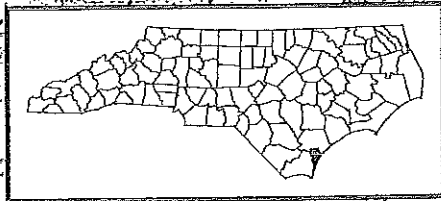
*Location and extent is approximate.



Sources: USGS Digital Raster Graphic, Name Quadrangle, NC, 19xx; Project boundary provided by _____

Disclaimer: The information depicted on this figure is for informational purposes only and was not prepared for, and is not suitable for legal or engineering purposes.

DRAFT



ENVIRONMENTAL SERVICES, INC.
524 S. New Hope Road
Raleigh, North Carolina 27610
(919) 212-1760
(919) 212-1707 FAX
www.environmentalservicesinc.com

Figure Title
Project Name
City, County, State

Project:	ER07155.00
Date:	Aug 07
Drwn/Chkd:	ESL/SS
Figure:	X



North Carolina Department of Cultural Resources
State Historic Preservation Office

Peter B. Sandbeck, Administrator

Michael F. Easley, Governor
Lisbeth C. Evans, Secretary
Jeffrey J. Crow, Deputy Secretary

Office of Archives and History
Division of Historical Resources
David Brook, Director

November 19, 2007

Scott Seibel, RPA
Environmental Services, Inc.
524 New Hope Road
Raleigh, NC 27610

Re: Improvements to General Electric Facility, Castle Hayne, New Hanover County, ER 07-2157

Dear Mr. Seibel:

Thank you for your letter of October 1, 2007, concerning archaeological resources on a 265-acre study area located on property owned by the General Electric Castle Hayne Facility.

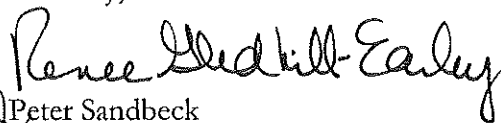
There are no recorded archaeological sites within the project study area. There are, however, numerous recorded historic and prehistoric sites adjacent to the study area and the probability exists that potentially significant archaeological sites occur within the study area. We recommend that a comprehensive survey be conducted to identify and evaluate the significance of archaeological remains that may be damaged or destroyed by the proposed project. Potential effects on unknown resources should be assessed prior to the initiation of construction activities.

Two copies of the resulting archaeological survey report, as well as one copy of the appropriate site forms, should be forwarded to us for review and comment as soon as they are available and well in advance of any construction activities.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, please contact Renee Gledhill-Earley, environmental review coordinator, at 919/807-6579. In all future communication concerning this project, please cite the above-referenced tracking number.

Sincerely,


Peter Sandbeck

ENVIRONMENTAL SERVICES, INC.

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RALEIGH, NORTH CAROLINA 27610

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11 March 2008

Peter Sandbeck
Deputy State Historic Preservation Officer
North Carolina State Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617

Re: Potential GE Expansion, New Hanover County, North Carolina (ER 07-2157)
Archaeological Report


Dear Peter:

Enclosed are two copies of the archaeological survey report and two copies of the associated site forms for the archaeological investigation of the potential GE Expansion in New Hanover County, North Carolina, for your review. As a result of the investigation, two archaeological sites were recorded, one of which is recommended eligible for listing in the *National Register of Historic Places*.

If you have any questions or comments, please feel free to call me at (919) 212-1760.

Sincerely,

ENVIRONMENTAL SERVICES, INC.



Scott Seibel, RPA
Assistant Vice President

Encl.: Report (2)
Site Forms (4)



RECEIVED
APR 15 2008

North Carolina Department of Cultural Resources

State Historic Preservation Office

Peter B. Sandbeck, Administrator

Office of Archives and History
Division of Historical Resources
David Brook, Director

Michael F. Easley, Governor
Lisbeth C. Evans, Secretary
Jeffrey J. Crow, Deputy Secretary

April 9, 2008

Scott Seibel, RPA
Environmental Services, Inc.
524 New Hope Road
Raleigh, NC 27610

Re: Report: *An Intensive Cultural Resource Investigation: Potential GE Expansion, New Hanover County, North Carolina*, ER 07-2157

Dear Mr. Seibel:

We have received the report referenced above. During the course of the investigation two new archaeological sites were recorded: 31NH800** and 31NH801.

Site 31NH800** was identified as a late 18th to early 20th century habitation site. It contained no identified structural remains. The artifact density was low and concentrated within the disturbed upper strata of the soil. The site was considered unlikely to produce significant new information. Environmental Services Inc. (ESI) recommended no further archaeological work on the site. We concur with this recommendation.

Site 31NH801 was identified as a prehistoric, short term habitation site. Ceramic analysis suggested a Middle Woodland period occupation. Subsurface testing indicated little subsequent soil disturbance and revealed the presence of intact cultural features. Based on this ESI recommended the site eligible for inclusion on the National Register of Historic Places under Criterion D. ESI recommended that site 31NH801 be avoided by all construction activities. We concur with this recommendation.

At present, plans do not call for construction that would impact site 31NH801. If plans change and impact to the site is unavoidable we recommend that additional data recovery be conducted as a condition for issuance of any federal or state permits pertaining to the project.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, please contact Renee Gledhill-Earley, environmental review coordinator, at 919/807-6579. In all future communication concerning this project, please cite the above-referenced tracking number.

Sincerely,

Handwritten signature of Peter Sandbeck in cursive script.
Peter Sandbeck

Appendix C

Biographical Summaries of Panelists

W. Joseph Alexander

Robert A. Crate, Jr.

Stephen A. Johnston

Albert E. Kennedy

Anthony B. Marimpietri

Louis M. Quintana

W. Joseph Alexander, P.G.

Mr. Joseph Alexander is a Senior Geologist with RTI International (RTI), where he has worked for 23 years. He holds a professional B.S. degree in Geology and an M.S. in Geology with an engineering geology and hydrogeology emphasis. He is a registered geologist in several southeastern states and has over 30 years of applied experience that includes the siting of nuclear facilities. Mr. Alexander is RTI's Project Director for the GE-Hitachi Global Laser Enrichment LLC (GLE) project in Wilmington, NC, and served in the same position for the recent Global Nuclear Energy Partnership (GNEP) project at the Morris, IL, site.

Mr. Alexander started his professional geology career in the mid-1970s, conducting nuclear siting studies for private utility companies in the southeastern United States. This experience ranged from conducting field studies (i.e., geologic, hydrogeologic, and engineering geology) to providing lead technical authorship in key sections of Preliminary Safety Analysis Reports (PSARs). His PSAR writing assignments were typically for those sections pertaining to the regional and site geology and groundwater use conditions, aquifer delineations, well inventories, groundwater flow and quality, and transport of potential nuclear releases. As part of this experience, he also worked closely with a team of other geologists, seismologists, geotechnical engineers, environmental scientists, and ecologists responsible for other key elements of the siting studies. In this capacity, Mr. Alexander had the opportunity to gain an early appreciation for the multidisciplinary teams required to conduct broad environmental and geotechnical assessments, in addition to the opportunity to review and comment on other siting components of the PSARs.

Mr. Alexander further applied this experience to the nuclear industry, where he has provided continued technical consulting services for more than 25 years of his 34-year professional career. These activities have included a broad range of technical services, such as detailed site characterizations; hydrogeological, geochemical, geospatial, and geophysical assessments of radiological constituents in surface water, sediment, soil, and groundwater; remedial design and implementation to address low-level radiological organic releases; implementation of long-term monitoring programs; and stakeholder interactions with regulatory agencies and the public. Mr. Alexander has also led broad environmental assessments for other industries that have components similar to the GLE siting study. In addition, he is experienced leading site-characterization and research projects for the U.S. Department of Energy (DOE).

Robert A. Crate, Jr.

Mr. Robert Crate is the Fuel Growth Programs Manager for GLE. He began his professional nuclear career in 1976 as a supervisor and operator of naval nuclear submarine reactor plants. His naval career spanned 20 years and included assignment as a Nuclear Engineer at the Headquarters of the DOE's Naval Reactors Program. At Naval Reactors, Mr. Crate was the Program Manager for the radiation protection and health physics performance of eight land-based nuclear reactor plants, two nuclear-powered moored training ships, and one reactor-fuel examination and storage facility. He also led teams of experienced inspectors in conducting radiological controls assessments of reactor plant sites and nuclear-capable naval shipyards. In this capacity, Mr. Crate acted for the Naval Nuclear Propulsion Program Director, Admiral Bruce DeMars.

Mr. Crate has held Operations, Radiation Protection, and Quality Leadership positions at the Carolina Power & Light (CP&L) Brunswick Nuclear Plant. He received a Quality Achievement award (CP&L's highest employee award) for operational improvement initiatives, material condition upgrade projects, and radioactive tank- and sump-cleaning activities that resulted in the lowest liquid effluent releases in the history of the Brunswick Nuclear Plant.

For the past 9 years, Mr. Crate has held several leadership positions in the General Electric Company (GE)/Global Nuclear Fuel–Americas (GNF-A)/ GE-Hitachi Nuclear Energy (GEH) Nuclear Energy organization, which included responsibility for the safe and effective operation of a large uranium chemical process using a Dry Conversion Process (DCP) technology, Japan powder-packing operations, Ceramic Operations, and Bundle Fabrication. He also led a team of 24 exempt employees (engineers and supervisors) and 300 hourly manufacturing employees, with a \$50M annual operating budget.

Stephen A. Johnston, Ph.D.

Dr. Stephen Johnston has a B.S in Nuclear Engineering and a Ph.D. in Economics with a Minor in Nuclear Engineering. He is an energy economist with experience in research, consulting, and teaching. Dr. Johnston is now retired from RTI after a 32-year career in research and consulting. He recently completed an appointment as Visiting Professor in the Energy and Environmental Studies graduate program at North Carolina A&T State University, where he taught energy and environmental economics. Dr. Johnston has also taught various economics courses at North Carolina State University (NCSU), the University of North Carolina at Chapel Hill, and Duke University.

Dr. Johnston currently teaches classes in energy and global warming in the Encore program at NCSU. He serves as Vice Chairman of the North Carolina Green Power Board of Directors and chairs the Board's Resource Committee, which evaluates bids from green power suppliers. Dr. Johnston also provides consulting services to RTI, advanced energy firms, and environmental firms specializing in the energy industries. He frequently provides technical expertise to clean energy coalitions and energy regulatory bodies.

Albert E. Kennedy

Mr. Albert Kennedy is the Facility Licensing Manager for GEH. He has a B.S. in Human Resources Management and has held several technical qualifications in the Naval Nuclear Propulsion Program, including serving as S7G Reactor Plant Engineer Officer.

Mr. Kennedy began his professional nuclear career in the mid-1970s as a supervisor and operator of Naval nuclear submarine reactor plants. His Naval career spanned 22 years, including 17 years within the DOE's Naval Reactors Program. As a Naval Reactors Technical Manager, Mr. Kennedy had a wide range of responsibilities, including nuclear facility operations, maintenance, radiation protection, and training. He was directly responsible for the training program development and start up of the first new naval nuclear program training facility in 30 years.

For the past 10 years, Mr. Kennedy has held several management positions at Progress Energy's Brunswick Nuclear Plant. The positions included Outage Management, Quality Assurance, Maintenance Projects, and Corporate Oversight.

Anthony B. Marimpietri

Mr. Tony Marimpietri has a B.S in Mechanical Engineering, an M.S. in Environmental Engineering, and a Masters in Regional Planning. He is an environmental consultant with over 30 years of experience in research and technical services. Mr. Marimpietri is a Senior Research Director with RTI, where he has led research organizations specializing in environmental analysis and modeling. His professional experience has concentrated on the environmental impacts of industrial facilities. This experience includes evaluating a wide range of industrial facilities for air and water impacts, environmental impacts analysis, and facility location and regulatory permitting reviews under the Clean Air Act, Clean Water Act, and the Resource Conservation and Recovery Act.

Prior to joining RTI, Mr. Marimpietri was involved in emergency response planning for nuclear power plants. This experience included evaluating public safety impacts, evacuation planning, monitoring, notification systems, and plans for coordination of community emergency response. Over his career, Mr. Marimpietri has been involved in model development, including development of decision-support systems. Most recently, Mr. Marimpietri has led the development of a multi-criteria evaluation tool to support decision making regarding surplus properties.

Louis M. Quintana

Mr. Louis Quintana is a Facility Licensing Program Manager for GEH and has a B.S.E. in Nuclear Engineering. He began his professional nuclear career in 1977 as a nuclear engineer and project manager for GE Nuclear Energy (GENE). His early career included reactor systems and core design activities, as well as 13 years in the project management of power reactor nuclear fuel design and manufacturing activities for several customer utilities. These duties included responsibility for commercial, contractual, engineering design, fabrication, and service aspects of contracted work.

For the following 5 years, Mr. Quintana held several manufacturing facility production and quality assurance leadership positions and was responsible for the safe operation of nuclear fuel bundle and component production lines and the quality of reactor vessel internal components. Mr. Quintana next served for several years as Quality Manager for the Services division of GENE and as Site Manager for GENE's Vallecitos Nuclear Center. As a Site Manager, Mr. Quintana had direct overall responsibility for nuclear facility operations, maintenance, license and environmental compliance, and commercial opportunities.

For the past 3 years, Mr. Quintana has held GENE and now GEH leadership positions in power reactor and fuel facility licensing.

Appendix D

Information on the USGS Assessment of the Cape Fear Arch Tectonic Feature

Compilation of General Geologic Data for Hazard Evaluation

Cape Fear Arch Tectonic Feature

North Carolina – South Carolina

Atlantic Coastal Plain Physiographic Region

Class C Hazard

Reference: Crone and Wheeler, 2000.

Cape Fear arch (Class C)

Structure Name Cape Fear arch (Class C)

Comments: Dall and Harris (1892 #3930) were perhaps the first to summarize the observations from which the existence of the Cape Fear arch could be deduced by later workers. They noted that in North Carolina "The Miocene strata ... are generally exposed on the south side of the large rivers and on the north slopes of the divides or swells between the rivers. This formation thickens, deepens toward the northern border of the State, the beds being much thicker on the Tar and Roanoke than on the rivers farther south" (p. 68). In addition, Dall and Harris (1892 #3930, p. 71) noted that, farther southwest in North Carolina along the upper part of the Cape Fear River, "Kerr represents, on the geological map accompanying his report for 1875, the Miocene formation as extending along the right flank of this river valley at least 20 miles above Elizabethtown". Nearly a century later, mapping by Markewich (1985 #3933), Soller (1988 #3937), and Owens (1989 #3935) showed that in the upper and lower parts of the Cape Fear River valley, in southwestern North Carolina, and in the Pee Dee River valley, in nearby South Carolina, both rivers flow along the southwestern sides of their valleys, eroding bluffs there. Successively older deposits and successively older and higher terraces appear successively farther to the northeast in both river valleys, demonstrating migration of both rivers to the southwest in response to southwestward tilting of the land surface (Markewich, 1985 #3933; Soller, 1988 #3937). Nowhere in their chapters on North and South Carolina did Dall and Harris (1892 #3930) deduce the presence of an arch or other tectonically uplifted area separating the northeasterly- and southwesterly-tilted river valleys. However, in subsequent decades the southeast-plunging arch was recognized and named for Cape Fear.

The crest of the arch approximately underlies the Cape Fear River (Soller, 1988 #3937; Owens, 1989 #3935), although the subcrop map of Owens (1989 #3935, shown in more detail as figure 4 of Soller, 1988 #3937) indicated that the crest has shifted tens of kilometers northeastward and southwestward since at least the middle of Late Cretaceous time (Soller, 1987 #3938). Isopach and structure contour maps of middle Cretaceous units indicated that the basins northeast and southwest of the arch subsided then, leaving the arch comparatively high (Harris and others, 1979 #3932). Isopach maps of early Paleocene, Oligocene, and Miocene strata indicated relative subsidence northeast of the arch (Harris, 1996 #3931), and the presence of Miocene rocks northeast and southwest of the arch but not on it led Owens (1970 #3934) to infer that it was a "physical barrier" (p. 24) then. Elevations of shorelines and river terraces indicated uplift of the crest of the arch relative to its southwestern limb during the Pliocene and Pleistocene (Winker and Howard, 1977 #3939; Blackwelder, 1981 #3927; Soller, 1988 #3937). Farther northeast on the other side of the arch, shoreline elevations indicated alternating relative uplifts of the crest and northeast limb during the Pleistocene (Zullo and Harris, 1979 #3940). Isopachs of early Pleistocene strata indicated relative subsidence on both flanks of the arch (Harris, 1996 #3931). Finally, three decades of leveling data suggested historical uplift of the arch, perhaps centered offshore (Brown and Oliver, 1976 #3929; Brown, 1978 #3928).

Reason for assignment to class C: Lack of evidence for Quaternary faulting. Harris and others (1979 #3932) and Zullo and others (1979 #3940) collected earlier suggestions for the existence of three faults longer than 100 km on the arch and its northeastern limb. However,

Soller (1988 #3937, p. 49-50) suggested an alternative explanation of the evidence for one of the faults, and Prowell and Obermeier (1991 #3936) noted that much evidence favors regional warping but none requires faulting. Harris (1996 #3931) omitted two of the earlier faults and referred to the third as a hinge.

Date of compilation 02/18/00

Compiler and affiliation Russell L. Wheeler, U.S. Geological Survey

State North Carolina; South Carolina

County Bladen; Brunswick; Columbus; Duplin; New Hanover; Pender; Robeson; Sampson (North Carolina); Dillon; Horry; Marion (South Carolina)

1° x 2° sheet Florence; Beaufort; Georgetown

Physiographic province Coastal Plain

References

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- #3933 Markewich, H.W., 1985, Geomorphic evidence for Pliocene-Pleistocene uplift in the area of the Cape Fear Arch, North Carolina, *in* Morisawa, M., and Hack, J.T., eds., *Tectonic geomorphology*: Boston, Allen & Unwin, p. 279-297.
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- #3936 Prowell, D.C., and Obermeier, S.F., 1991, Evidence of Cenozoic tectonism, *in* Horton, J.W., Jr., and Zullo, V.A., eds., *The geology of the Carolinas*: Knoxville, Tennessee, University of Tennessee Press, p. 309-318.
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- #3937 Soller, D.R., 1988, Geology and tectonic history of the lower Cape Fear River Valley, southeastern North Carolina: U.S. Geological Survey Professional Paper 1466-A, 60 p., 1 plate, scale 1:250,000.
- #3939 Winker, C.D., and Howard, J.D., 1977, Correlation of tectonically deformed shorelines on the southern Atlantic coastal plain: *Geology*, v. 5, p. 123-127.
- #3940 Zullo, V.A., and Harris, B.W., 1979, Plio-Pleistocene crustal warping in the outer coastal plain of North Carolina, *in* Baum, G.R., Harris, B.W., and Zullo, V.A., eds., *Structural and stratigraphic framework for the coastal plain of North Carolina*: Carolina Geological Society and Atlantic Coastal Plain Geological Association, Raleigh, North Carolina, October 19-21, 1979, Guidebook, p. 31-40.

Definition of Class C Hazard (Crone and Wheeler, 2000)

Geologic evidence (paleoseismological, stratigraphic, sedimentological, structural, and geomorphological) is **insufficient** to demonstrate:

- (1) The existence of a tectonic fault, or
- (2) Quaternary slip or deformation associated with the feature.

Appendix E

Official Soil Series Descriptions for Soils within the GLE Study Area

Table of Contents

Official Soil Series Descriptions (OSD) E-1
Baymeade Series E-2
Dorovan Series E-5
Kenansville Series E-7
Leon Series E-10
Lynchburg Series E-14
Murville Series E-19
Onslow Series E-21
Pantego Series E-25
Woodington Series E-28
Wrightsboro Series E-30

The following information was taken directly from the U.S. Department of Agriculture's National Resources Conservation Service Web site found at <http://soils.usda.gov/technical/classification/osd/index.html>.

Official Soil Series Descriptions (OSD)

Introduction

“Official soil series description” is a term applied to the description approved by the Natural Resources Conservation Service that defines a specific soil series in the United States. These official soil series descriptions are descriptions of the taxa in the series category of the national system of classification. They mainly serve as specifications for identifying and classifying soils.

While doing survey work, field soil scientists should have all the existing official soil series descriptions that are applicable to their soil survey areas. Other official soil series descriptions that include soils in adjacent or similar survey areas are also commonly needed. Scientists in other disciplines, such as agronomists, horticulturists, engineers, planners, and extension specialists also use the descriptions to learn about the properties of soils in a particular area.

Additional information about the establishment and maintenance of official series descriptions can be found in the National Soil Survey Handbook, Part 614.06.

Fact Sheet

Data Product Keywords

Soils, soil taxonomy, typical pedon, geographically associated soils, competing series, distribution and extent, range in characteristics, type location, drainage and permeability, use and management

Summary

The Official Soil Series Descriptions (OSD) is a national collection of more than 20,000 detailed soil series descriptions, covering the United States, Territories, Commonwealths, and Island Nations served by USDA-NRCS. The descriptions, in a text format, serve as a national standard.

The soil series is the lowest category of the national soil classification system. The name of a soil series is the common reference term, used to name soil map units. Soil series are the most homogenous classes in the system of taxonomy. “Official Soil Series Descriptions” define specific soil series in the United States, Territories, Commonwealths, and Island Nations served by USDA-NRCS. They are descriptions of the taxa in the series category of the national system of soil classification. They serve mainly as specification for identifying and classifying soils. The descriptions contain soil properties that define the soil series, distinguish it from other soil series, serve as the basis for the placement of that soil series in the soil family, and provide a record of soil properties needed to prepare soil interpretations.

Extent of Program

National

Available Products Coverage

OSD are available for all soil series officially recognized in the United States, Territories, Commonwealths, and Island Nations served by USDA-NRCS.

Information Content

The OSD describe general and detailed information about each recognized soil in the United States, Territories, Commonwealths, and Island Nations served by USDA-NRCS, including location, author's initials, introductory paragraph, taxonomic classification, detailed soil profile description, location of the typical soil profile, range in characteristics, competing series, geographic setting, geographically associated soils, drainage and permeability, use and vegetation, distribution and extent, series established, remarks, and additional data.

Product Delivery Format

OSD are stored as unformatted ASCII text files and as html-formatted files.

Technical, Ordering, and Availability Information

The OSD are available through both the Web and through non-Web means. To obtain OSD through the Web, the URL for the NRCS soil survey data (through the USDA NRCS Soils Web site) is <http://soils.usda.gov/Soils/technical/classification/osd/index.html>. To obtain OSD through non-Web means, contact the USDA-NRCS State Office in your state.

BAYMEADE SERIES¹

The Baymeade series consists of deep, well drained soils with moderately rapid permeability. They formed in loamy and sandy marine sediments of the lower Coastal Plain. Slopes range from 0 to 12 percent. Mean annual temperature is 63 degrees F., and mean annual precipitation is 54 inches.

Taxonomic Class

Loamy, siliceous, semiactive, thermic Arenic Hapludults

Typical Pedon

Baymeade sand – on a 3 percent slope under mixed hardwood and pine. (Colors are for moist soil unless otherwise stated.)

A – 0 to 3 inches; dark gray (10YR 4/1) fine sand; weak granular structure; loose; many fine and medium roots; many uncoated sand grains; moderately acid; abrupt smooth boundary. (2 to 10 inches thick)

E – 3 to 12 inches; light gray (10YR 7/2) fine sand; single grained; loose; many fine and medium roots; slightly acid; gradual wavy boundary. (0 to 15 inches thick)

E/Bh – 12 to 36 inches; very pale brown (10YR 7/4) fine sand; single grained; loose; common irregular bodies of friable organic coated sand that are dark brown (7.5YR 3/2) and brown (7.5YR 4/4) (Bh) make up about 12 percent of this horizon; many fine and medium roots; moderately acid; abrupt smooth boundary. (0 to 26 inches thick)

Bt – 36 to 49 inches; strong brown (7.5YR 5/6) fine sandy loam; weak coarse subangular blocky structure that parts into weak fine granular structure; very friable; many fine and medium roots; moderately acid; gradual wavy boundary. (5 to 40 inches thick)

BC – 49 to 58 inches; strong brown (7.5YR 5/6) loamy fine sand; weak fine granular structure; very friable; few fine roots; moderately acid; gradual wavy boundary. (0 to 17 inches thick)

¹ Reference: NRCS, 1999a.

C1 – 58 to 75 inches; mottled white (10YR 8/1) and very pale brown (10YR 7/4) fine sand; single grained; loose; moderately acid; gradual wavy boundary.

C2 – 75 to 78 inches; very pale brown (10YR 8/3) fine sand and loamy fine sand; single grained; loose; moderately acid.

Type Location

New Hanover County, North Carolina; Wilmington, 0.5 mile south of Dawson and Sixteenth Streets on west side of Sixteenth Street road bank.

Range in Characteristics

Solum thickness is 35 to more than 60 inches. Reaction ranges from very strongly acid to slightly acid, unless limed. Some pedons have extremely acid A and E horizons.

The A or Ap horizon has hue of 10YR to 2.5Y value of 4 to 6, and chroma of 1 or 2 or is neutral with value of 4 to 6 with common clean grains that are white or light gray. Texture of the A horizon is sand, fine sand, loamy sand, or loamy fine sand.

The E horizon has hue of 10YR or 2.5Y, value of 4 to 8, and chroma of 1 to 6 or is neutral with value of 6 to 8. Texture is sand, fine sand, loamy sand, or loamy fine sand. The Bh portion of E/Bh horizon or Bh horizon, where present, is granular to massive with hue of 5YR to 10YR, value of 3 to 7, and chroma of 2 to 8.

The E' horizon, where present has hues of 7.5YR to 2.5Y, values of 4 to 8, and chroma of 2 to 6 or it is neutral with values of 6 to 8. It is sand, fine sand, loamy sand or loamy fine sand.

The Bt horizon has hue of 7.5YR to 2.5Y, value of 5 to 7, and chroma of 4 to 8. Mottles are in shades of yellow, brown, or gray at depths below 25 inches in some pedons. A gray matrix may be present in the lower Bt horizons of some pedons. Texture is commonly sandy loam or fine sandy loam but some pedons are sandy clay loam. The lower Bt horizon may occur as lamella of sandy loam.

The BC horizon has hue of 7.5YR to 2.5Y, value of 5 to 7, and chroma of 2 to 8. Mottles are in shades of yellow, brown, or gray in some pedons. Texture is loamy sand, loamy fine sand, sandy loam, fine sandy loam or in some pedons sandy clay loam.

The C horizon has hue of 7.5YR to 2.5Y, value of 5 to 8, and chroma of 1 to 8 or is mottled in shades of these colors. Texture is sand or fine sand or stratified sandy, loamy, or clayey material. Some pedons have thin discontinuous Bh bodies in the C horizon.

Competing Series

Ailey, Blaney, Chipola, Chisolm, Coosaw, Garcon, Gomery, Kenansville, Remlik, Tenaha, Tomahawk, Uchee, and Valhalla in the same family. Closely related soils are the Alaga, Eustis, Kureb, Onslow, Seagate, Wagram, and Wakulla series. All of these soils except Kureb lack irregular intermittent Bh bodies in the E/Bh horizon. Kureb soils lack argillic horizons. Onslow soils lack an arenic epipedon and contain gray mottles indicative of wetness in the Bt horizon. Seagate and Valhalla soils have continuous Bh horizons. Seagate soils have poorer drainage.

Geographic Setting

Baymeade soils occur on broad, gently sloping surfaces of the lower Coastal Plain, generally above 20 feet. Slopes range from 1 to 12 percent. They formed in (stratified) interbedded sandy and loamy Coastal Plain sediments. The mean annual precipitation ranges from 47 to 60 inches and mean annual temperature ranges from 53 to 74 degrees F.

Geographically Associated Soils

These are the competing Kureb and the Blanton, Foreston, Goldsboro, Lakeland, Leon, Norfolk and Rimini series. Blanton soils have a Grossarenic epipedon. Foreston, Goldsboro and Norfolk lack an arenic epipedon. Lakeland soils lack light gray E horizons and an argillic horizon. Leon and Rimini soils have continuous Bh horizons, and the Leon soils have poorer drainage.

Drainage and Permeability

Well drained; slow runoff; moderately rapid permeability. Measured watertable levels at two sites show that the water table is 45 to 60 inches below the surface in December to April and other wet periods.

Use and Vegetation

Most of these soils are in forest of mixed hardwood and pine. Native vegetation is turkey oak, long leaf pine, dwarfed huckleberry, small myrtle, wire grass, and astor. Large areas are in residential and urban uses in New Hanover County.

Distribution and Extent

Lower Coastal Plains of North Carolina and possibly South Carolina. The series is extensive.

MLRA Office Responsible

Raleigh, North Carolina

Series Established

New Hanover County, North Carolina; 1973.

Remarks

Diagnostic horizons and features recognized in this pedon are:

- Ochric epipedon – the zone from the surface to a depth of 36 inches (the Ap and E horizons)
- Arenic feature – the zone of sandy sediments from 0 to 36 inches (the A, E, E/Bh horizons)
- Argillic horizon – the zone from a depth of 36 to 58 inches (the Bt and BC horizons)

Additional Data

None.

Tabular Series Data

SOI-5	Soil Name	Slope	Airtemp	FrFr/Seas	Precip	Elevation	
NC0083	BAYMEADE	0- 12	59- 63	190-250	46- 57	20- 70	
SOI-5	FloodL	FloodH	Watertable	Kind	Months	Bedrock	Hardness
NC0083	NONE		4.0-5.0	APPARENT	DEC-APR	60-60	
SOI-5	Depth	Texture		3-Inch	No-10	Clay%	-CEC-
NC0083	0-36	FS S		0- 0	100-100	0- 8	1- 3
NC0083	0-36	LS LFS		0- 0	100-100	5-13	1- 4
NC0083	36-49	FSL SCL SL		0- 0	100-100	8-26	2- 6
NC0083	49-78	LFS S SL		0- 0	100-100	0-12	0- 3
SOI-5	Depth	-pH-	O.M.	Salin	Permeab	Shnk-Swll	
NC0083	0-36	4.5- 6.5	.5-1.	0- 0	6.0- 20	LOW	
NC0083	0-36	4.5- 6.5	.5-1.	0- 0	6.0- 20	LOW	
NC0083	36-49	4.5- 6.5	0.-.5	0- 0	2.0- 6.0	LOW	
NC0083	49-78	4.5- 6.5	0.-.5	0- 0	6.0- 20	LOW	

DOROVAN SERIES²

The Dorovan series consists of very poorly drained, moderately permeable soils on densely forested flood plains, hardwood swamps, and depressions in the Atlantic Coast Flatwoods, Eastern Gulf Coast Flatwoods, and Southern Coastal Plain Major Land Resource Areas. They formed in highly decomposed acid-organic materials. Near the type location, the mean annual temperature is about 67 degrees F., and the annual precipitation is about 57 inches. Slopes are less than 1 percent.

Taxonomic Class

Dysic, thermic Typic Haplosaprists

Typical Pedon

Dorovan muck, undrained – forested. (Colors are for wet soil unless otherwise stated.)

Oe – 0 to 3 inches; very dark brown (10YR 2/2) mucky peat consisting of partially decomposed moss, leaves, roots, and twigs; 50 percent fiber after rubbing; slightly sticky; extremely acid; gradual wavy boundary. (0 to 4 inches thick)

Oa1 – 3 to 11 inches; black (10YR 2/1) muck that remains black (10YR 2/1) when rubbed and pressed; about 30 percent fiber unrubbed and less than 5 percent rubbed; fibers remaining after rubbing are partially decomposed wood 1 to 2 mm in size; massive; nonsticky; common roots and partially decomposed limbs; extremely acid; diffuse wavy boundary.

Oa2 – 11 to 74 inches; black (10YR 2/1) muck that remains black (10YR 2/1) when rubbed and pressed; about 30 percent fiber unrubbed and less than 5 percent rubbed; fibers remaining after rubbing are partially decomposed wood 1 to 2 mm in size; massive; nonsticky; few roots; decomposed limbs and

² Source: NRCS, 1998.

twigs; few logs; extremely acid; gradual wavy boundary. Combined thickness of the Oa horizon(s) is 51 to 80 inches)

Cg1 – 74 to 92 inches; very dark grayish brown (10YR 3/2) sand; single grained; nonsticky; few partially decayed small fragments of wood; very strongly acid; gradual wavy boundary.

Cg2 – 92 to 108 inches; dark grayish brown (10YR 4/2) sand; single grained; nonsticky; few partially decayed small fragments of wood; very strongly acid.

Type Location

George County, Mississippi. Approximately 2.5 miles south of junction of State Highways 26 and 63; 0.75 mile east of Highway 63; 150 feet west of old bridge site and 75 feet north of levee in Cedar Creek flood plain; NE1/4 sec. 16 T. 2 S., R. 6 W.

Range in Characteristics

The organic material ranges from 51 to more than 80 inches thick. It is extremely acid very strongly acid in the organic layers. It is strongly acid or very strongly acid in the 2C horizon.

The Oe layer is neutral with value of 2 to 4 or has a hue of 7.5YR or 10YR; value of 2 to 4, and chroma of 1 to 3. It contains 40 to 90 percent fiber unrubbed, and 20 to 60 percent rubbed. Some pedons lack this layer.

The remaining organic layers are neutral with value of 2 or 3 or have hue of 10YR, 7.5YR, 5YR, or 2.5Y; value of 2 or 3, and chroma of 0 to 3. They contain 10 to 40 percent fiber unrubbed, less than 1/6 of the volume when rubbed. Fibers remaining after rubbing are dominantly woody. A few logs and large fragments of wood are typically in the lower part of the organic layers.

The C horizon is neutral or has hue of 10YR, 2.5Y, or 5Y; value of 2 to 5, and chroma of 0, 1, or 2. Texture is sand, fine sand, loamy sand, sandy loam, fine sandy loam, clay, or their mucky analogues.

Competing Series

These are the Dare and Pungo series in the same family and the Belhaven, Croatan, Handsboro, Istokpoga, Johnston, Mattamuskeet, Maurepas, Pamlico, Ponzer, and Terra Ceia series. Belhaven, Dare and Mattamuskeet soils have hue of 2.5YR or 5YR in some part. Pungo soils have parts of the control section that are less decomposed than Dorovan soils. Belhaven and Ponzer have loamy mineral layers at a depth of less than 51 inches. Croatan, Mattamuskeet, and Pamlico soils have mineral layers at a depth of less than 51 inches, and Handsboro soils have sulfidic materials within 40 inches of the surface. Istokpoga soils have less decomposed organic matter than Dorovan soils, and the mean annual soil temperature exceeds 72 degrees F. Johnston soils have loamy mineral surface layers that are high in organic matter over sandy material. Maurepas and Terra Ceia soils are medium acid or moderately alkaline, and Terra Ceia soils have annual temperature of more than 72 degrees F.

Geographic Setting

Dorovan soils are on the flood plains, hardwood swamps, and depressions in the Atlantic Coast Flatwoods, Eastern Gulf Coast Flatwoods, and Southern Coastal Plain Major Land Resource Areas. The soil is saturated to the surface most of the time. Runoff is very slow and water is ponded on the surface in depressions. Slopes are 0 to 2 percent. The underlying mineral sediments commonly are loamy or sandy and are very strongly acid or strongly acid. The mean annual temperature is about 67 degrees F., and the annual precipitation is about 57 inches.

Geographically Associated Soils

These are the competing Croatian, Johnston, Pamlico, and Ponzer series and the Atmore, Basin, Harleston, and Lenoir series. All but Croatian, Pamlico, and Ponzer are mineral soils.

Drainage and Permeability

Very poorly drained; moderate permeability. Water is at or near the surface most of the time.

Use and Vegetation

Nearly all of the soils are used for woodland and wildlife habitat. The native vegetation is blackgum, baldcypress, sweetbay, swamp tupelo, titi, greenbrier, red maple and scattered pine. The ground cover is ferns, mosses, and other hydrophytic plants.

Distribution and Extent

Alabama, Florida, Mississippi, North Carolina, and South Carolina. The series is of moderate extent.

MLRA Office Responsible

Auburn, Alabama.

Series Established

Escambia County, Alabama; 1969.

Remarks

Diagnostic horizons and features recognized in this pedon are:

- Histic epipedon – the zone from the surface to a depth of more than 8 inches (the Oa1, Oa2 horizons).

KENANSVILLE SERIES³

The Kenansville series consists of well drained, nearly level to gently sloping soils on Coastal Plain uplands and stream terraces. They have formed in marine and fluvial sediments. Slopes range from 0 to 10 percent.

Taxonomic Class

Loamy, siliceous, subactive, thermic Arenic Hapludults

TYPICAL PEDON: Kenansville loamy sand - in a cultivated field on a 2 percent slope. (Colors are for moist soil unless otherwise stated.)

Ap – 0 to 8 inches, grayish brown (10YR 5/2) loamy sand; weak medium granular structure; very friable; common fine roots; moderately acid; abrupt smooth boundary. (6 to 10 inches thick)

E – 8 to 24 inches, light yellowish brown (10YR 6/4) loamy sand; weak medium granular structure; very friable; few fine roots; moderately acid; gradual wavy boundary. (14 to 30 inches thick)

³ Source: NRCS, 2002a.

Bt – 24 to 36 inches, yellowish brown (10YR 5/8) sandy loam; weak medium subangular blocky structure; very friable; common fine roots and pores; sand grains coated and bridged with clay; very strongly acid; gradual wavy boundary. (6 to 35 inches thick)

BC – 36 to 42 inches, yellowish brown (10YR 5/8) loamy sand; weak medium granular structure; very friable; few fine roots and pores; clay coatings on sand grains; few bridging of sand grains by clay; strongly acid; gradual wavy boundary. (4 to 22 inches thick)

C – 42 to 84 inches, very pale brown (10YR 7/3) sand; few fine distinct strong brown and common medium faint light gray (10YR 7/2) iron depletions; single grained; loose; strongly acid.

Type Location

Lenoir County, North Carolina; 11 miles northeast of Kinston and 1.2 miles northwest of Grifton; 100 feet northeast of intersection of North Carolina Highway 11 and State Road 1704; in a cultivated field.

Range in Characteristics

Solum thickness ranges from 40 to 60 inches. The soil ranges from very strongly through moderately acid in all horizons, unless limed.

The A or Ap horizon has hue of 7.5YR to 2.5Y, value of 3 to 6, and chroma of 1 to 4. The A horizon is less than 6 inches thick if its color value, moist, is less than 3.5. Texture is loamy sand, loamy fine sand, sand, or fine sand.

The E horizon has hue of 10YR or 2.5Y, value of 5 to 8, and chroma of 3 to 8. Texture is similar to the A or Ap horizon.

The BE horizon, where present, has hue of 10YR or 2.5Y, value of 4 to 8, and chroma of 3 to 6. Texture is loamy sandy, loamy fine sand or sandy loam.

The Bt horizon has hue of 7.5YR to 2.5Y, value of 5 to 7, and chroma of 4 to 8. Texture is sandy loam or fine sandy loam. Thin layers of sandy clay loam are present in some pedons.

The BC, or B/C horizon, where present, has similar matrix color as the Bt horizon. Texture is sand, loamy sand, sandy loam or fine sandy loam.

The C horizon has hue of 7.5YR to 2.5Y, value of 4 to 8, and chroma of 1 to 8. Texture is sand or loamy sand.

Competing Series

(This section not checked this date; added activity class) The Baymeade, Blaney, Chipola, Chisolm, Coosaw, Garcon, Gomery, Remlik, Tenaha, Tomahawk, Uchee, and Valhalla series are in the same family. Alaga, Bassfield, Conetoe, Eustis, Galestown, Kamia, Latonia, Maxton, Molena, Pocalla, Rumford, Valhalla, Wagram, and Wakulla series are in closely related family. Baymead soils have A and B horizons with irregular intermittent Bh bodies. Blaney soils have a Bt horizon that is compact and brittle in part of the mass. Chipola and Chisolm soils have Bt horizons with redder hues. Coosaw and Garcon soils have low chroma mottles in the lower Bt horizon. Also, Garcon have less clayey Bt horizons. Gomery and Tenaha soils are underlain by soft bedrock. Remlik soils have common lamellae in the C horizon and are commonly on 6 to 45 percent slopes. Tomahawk soils have Bh horizon in lower part of solum. Also, they are somewhat poorly drained. Uchee soils have a clayey lower Bt horizon with moderately slow permeability. Valhalla soils have buried E and Bt horizons. Alaga, Eustis, Galestown,

Molena, and Wakulla soils have coarser textures. In addition, Galestown soils are mesic and Molena soils have mixed mineralogy. Bassfield and Lotonia soils lack the arenic surface layer. Conetoe soils have mixed mineralogy. Kalmia and Maxton soils thinner A horizon and finer textures Bt horizon. Pocalla soils are bisequal. Rumford soils have thinner A horizons and redder Bt horizons. Wagram soils have thicker sola.

Geographic Setting

Kenansville soils are on nearly level to gently sloping Coastal Plain uplands and stream terraces. They formed in Coastal Plain and stream terrace sediments. Kenansville soils generally are on the smoother parts of the landscape between the higher, sandier ridges and the lower wet areas. Slope gradients are commonly 0 to 4 percent with a full range up to 10 percent. Average annual precipitation is about 48 inches and mean annual temperature is about 63 degrees F. near the type location.

Geographically Associated Soils

These are the competing Eustis, Kalmia, Wagram, and Wakulla series and the Cahaba, Eunola, Foreston, Johns and Lakeland series. Cahaba, Eunola, and Foreston soils lack thick sandy epipedons. Johns soils have low chroma mottles indicative of wetness in the Bt horizon. Lakeland soils are sandy and do not have Bt horizons.

Drainage and Permeability

Well drained; slow runoff; moderately rapid permeability. A seasonal water table is below 4.0 feet for the wet substratum phase.

Use and Vegetation

Most areas are cleared and used for crops. Tobacco, corn, cotton, peanuts, and soybeans are the principal crops. Forested areas are in mixed hardwoods and pine. Native trees include oaks, hickory, dogwoods, and longleaf and loblolly pine.

Distribution and Extent

Coastal Plain of North Carolina, Delaware, South Carolina, and Virginia. The series is of moderate extent.

MLRA Office Responsible

Raleigh, North Carolina

Series Established

Duplin County, North Carolina; 1955.

Remarks

Diagnostic horizons and features recognized in this pedon are:

- Ochric epipedon - the zone from the surface to a depth of 24 inches (the Ap and E horizons)
- Arenic feature - the zone with sandy textures from the surface to 24 inches (the Ap and E horizons)
- Argillic horizon - the zone from a depth of 24 to 42 inches (the Bt and BC horizons)

Additional Data

None.

Tabular Series Data

SOI-5	Soil Name	Slope	Airtemp	FrFr/Seas	Precip	Elevation
SOI-5	FloodL	FloodH	Watertable	Kind	Months	Bedrock Hardness
SOI-5	Depth	Texture		3-Inch	No-10	Clay% -CEC-
SOI-5	Depth	-pH-	O.M.	Salin	Permeab	Shnk-Swll

LEON SERIES⁴

The Leon series consists of very deep, moderate to moderately slowly permeable, poorly and very poorly drained soils on upland flats, depressions, stream terraces, and tidal areas. They formed in sandy marine sediments of the Atlantic and Gulf Coastal Plain. Near the type location, the mean annual temperature is about 68 degrees F., and the mean annual precipitation is about 55 inches. Slopes range from 0 to 5 percent.

Taxonomic Class

Sandy, siliceous, thermic Aeric Alaquods

Typical Pedon

Leon sand - forested. (Colors are for moist soil)

A – 0 to 3 inches; very dark gray (10YR 3/1) sand, rubbed; weak fine crumb structure; very friable; many fine and medium roots; many clean sand grains give a salt-and-pepper appearance; very strongly acid; clear smooth boundary. (2 to 9 inches thick)

E1 – 3 to 9 inches; gray (10YR 6/1) sand; common medium faint grayish brown (10YR 5/2) streaks of sand along root channels; single grained; loose; many fine and medium roots; very strongly acid; gradual wavy boundary.

E2 – 9 to 15 inches; light gray (10YR 7/1) sand; few medium faint grayish brown (10YR 5/2) streaks of sand along root channels; single grained; loose; few fine and medium roots; common medium pores; very strongly acid; clear wavy boundary. (Combined thickness of the E horizons range from 4 to 25 inches.)

Bh1 – 15 to 18 inches; black (5YR 2/1) sand; weak medium subangular blocky structure that parts to weak fine granular; friable; many fine and medium roots and pores; more than 95 percent of sand grains have organic coatings; very strongly acid; abrupt wavy boundary.

Bh2 – 18 to 22 inches; dark reddish brown (5YR 2/2) sand; common medium faint black (10YR 2/1) masses with more organic matter than matrix; distinct brown (7.5YR 4/4) streaks having less organic carbon than matrix; weak fine subangular blocky structure that parts to weak fine granular; friable; few

⁴ Source: NRCS, 2005a.

fine and medium roots; common fine pores; more than 95 percent of sand grains have organic coatings; very strongly acid; clear wavy boundary.

Bh3 – 22 to 30 inches; dark brown (7.5YR 3/2) sand; common medium distinct vertical streaks of dark reddish brown (5YR 2/2) sand along root channels; weak fine granular structure; friable; few fine and medium roots and pores; many coated sand grains; very strongly acid; gradual wavy boundary. (Combined thickness of the Bh horizons range from 6 to 35 inches.)

BE – 30 to 33 inches; brown (10YR 5/3) sand; few faint streaks of light brownish gray (10YR 6/2) areas with less organic carbon than matrix; single grained; loose; few medium and fine roots; few fine pores; many uncoated sand grains; very strongly acid; gradual irregular boundary. (2 to 30 inches thick)

E' – 33 to 66 inches; light brownish gray (10YR 6/2) sand; common medium faint dark grayish brown (10YR 4/2) masses with more organic carbon than matrix; single grained; loose; few fine and medium roots; many uncoated sand grains; very strongly acid; clear wavy boundary. (0 to 36 inches thick)

B'h – 66 to 80 inches; very dark brown (10YR 2/2) sand; single grained; loose; common medium distinct light brownish gray (10YR 6/2) streaks and pockets having less organic carbon than matrix; many uncoated sand grains; very strongly acid.

Type Location

Bay County, Florida. Approximately 0.75 mile north of Mine Testing Laboratory and U.S. Highway 98, about 3.0 miles south of West Bay along the west side of Woods Road; NW 1/4, SW 1/4, Sec. 19, T. 3 S., R. 15 W.

Range in Characteristics

The Bh horizon is within 30 inches of the soil surface. Reaction ranges from extremely acid to slightly acid throughout. In tidal areas, the soil reaction ranges from very strongly acid to moderately alkaline throughout.

The A or Ap horizon has hue of 7.5YR or 10YR, value of 2 to 4, and chroma of 1 or 2; or is neutral with value of 2 to 4. When dry, this horizon has a salt-and-pepper appearance due to mixing of organic matter and white sand grains. Texture is sand, fine sand, mucky fine sand, mucky sand, or muck.

The E horizon has hue of 7.5YR to 2.5Y, value of 4 to 8, and chroma of 1 to 4; or is neutral with value of 5 to 8. Redoximorphic features and streaks in shades of black or gray range from none to common. Texture is sand or fine sand.

Where present, a transitional horizon between the lower E horizon and the Bh1 horizon has hue of 10YR, value of 2 to 4, and chroma of 1. Thickness ranges from 0.5 to 2.0 inches. Texture is sand or fine sand.

The Bh horizon has hue of 5YR to 10YR, value of 2 or 4, and chroma of 1 to 4; or is neutral with value of 2 to 4. This horizon burns white on ignition. Vertical or horizontal streaks or pockets of sand or organic matter depletions in shades of gray or brown range from none to common. Texture is sand, fine sand, loamy sand or loamy fine sand.

The E' horizon, where present, has hue of 7.5YR to 2.5Y, value of 4 to 8, and chroma of 1 to 3. Streaks and masses of organic matter accumulation in shades of brown range from none to common. Texture is sand or fine sand

The B'h horizon, where present, is similar in colors and texture to the Bh horizon but occurs below the BE or E' horizons.

The C horizon, where present, has of 7.5YR to 2.5Y, value of 4 to 8, and chroma of 1 to 6. Texture is sand or fine sand.

Competing Series

The Witherbee series is the only known series in the same family. The somewhat poorly drained Witherbee soils have less developed spodic horizons.

Geographic Setting

Leon soils are on upland flats, depressions, stream terraces, and tidal areas of the lower Atlantic and Gulf Coastal Plain. They formed in thick beds of acid sandy marine sediments. The climate is humid semitropical. Slopes range from 0 to 5 percent. The average annual temperature ranges from 66 to 70 degrees F., and the average annual precipitation ranges from 50 to 60 inches.

Geographically Associated Soils

These include the Chipley, Foxworth, Hurricane, Kershaw, Lakeland, Lynn Haven, Mascotte, Olustee, Ortega, Osier, Plummer, Portsmouth, Pottsburg, Ridgeland, Scranton, and Wesconnett series. Chipley, Foxworth, Kershaw, Lakeland, and Ortega soils are on higher positions and lack spodic horizons. In addition, Chipley soils are somewhat poorly drained, Foxworth soils are moderately well drained to excessively drained, Kershaw and Lakeland soils are excessively drained, and Ortega soils are moderately well drained. Hurricane and Pottsburg soils have a spodic horizon at depths greater than 50 inches. In addition, Hurricane soils are somewhat poorly drained and on higher positions and Pottsburg soils are somewhat poorly to poorly drained and on similar to slightly higher positions. Lynn Haven soils are on similar positions but have an umbric epipedon. Mascotte and Olustee soils are on similar positions but are underlain by argillic horizons under the Bh horizon. Osier soils are on flood plains and lack spodic horizons. Plummer soils are on similar to lower positions and are grossarenic. The very poorly drained Portsmouth are on lower positions and lack spodic horizons. Ridgeland and Wesconnett soils and lack E horizons between the A and Bh horizons. In addition, Ridgeland soils are on slightly higher positions and are somewhat poorly drained while Wesconnett soils are in lower depressional areas and are very poorly drained. The poorly drained Scranton soils are on similar to slighter higher positions and lack spodic horizons.

Drainage and Permeability

Poorly drained and very poorly drained; moderate to moderately rapid permeability in the Bh horizons, moderate to moderately slow in the B'h horizons, and rapid in the other layers.

Use and Vegetation

Most areas of Leon soils are used for forestry, range, and pasture. Areas with adequate water control are used for cropland and vegetables. Natural vegetation consists of longleaf pine, slash pine, water oak, myrtle, with a thick undergrowth of sawpalmetto, running oak, fetterbush, inkberry (gallberry), chalky bluestem, creeping bluestem, and pineland threeawn (wiregrass). In depressions, the vegetation is dominated by brackenfern, smooth sumac and swamp cyrilla are common. Vegetation in the tidal areas includes bushy seaoxeye, marshhay cordgrass, seashore saltgrass, batis, and smooth cordgrass.

Distribution and Extent

The Atlantic and Gulf Coastal Plain from Florida, Maryland, South Carolina and Virginia. The series is of large extent.

MLRA Office Responsible

Auburn, Alabama.

Series Established

Leon County, Florida; 1905.

Remarks

The water table is at depths of 6 to 18 inches for 1 to 4 months during most years. In low flatwoods or sloughs it is at a depth of 0 to 6 for periods of more than 3 weeks during most years. It is between depths of 18 and 36 inches for 2 to 10 months during most years. It is below 60 inches during the dry periods of most years. Depressional areas are covered with standing water for periods of 6 months or more in most years.

Diagnostic horizons and features recognized in this pedon are:

- Ochric epipedon – the zone from the surface of the soil to a depth of approximately 15 inches (A, E1, and E2 horizons).
- Albic horizons – the zones from approximately 3 inches to 15 inches and 33 inches to 66 inches (E1, E2, and E' horizons) (not required for Leon series).
- Spodic horizon within 30 inches – the zone from 15 inches to 22 inches (Bh1, Bh2, and Bh3 horizons) and from approximately 66 inches to 80 inches or more (B'h horizons).
- Aquic conditions – endosaturation throughout.

IFAS Soil Characterization Data: S2-1-(1-9), S2-2-(1-8), S3-3-(1-5), S4-8-(1-9), S10-12-(1-7) S12-17-(1-7), S16-9-(1-7), S19-6-(1-5), S33-24-(1-7), S37-28-(1-8), S45-27-(1-7), S46-2-(1-6), S57-46-(1-6), S66-24-(1-8); sample by IFAS, University of Florida, Gainesville, FL.

SOI-5 Soil Name Slope Airtemp FrFr/Seas Precip Elevation FL0051 LEON 0- 5 65- 70 230-310 50- 60 8- 135 FL0093 LEON 0-2 65-70 230-310 50-60 8-135 FL0406 LEON 0-2 65-70 230-310 50-60 8-135 FL0501 LEON 0-2 65-70 230-310 50- 60 8- 135 FL0508 LEON 0- 2 65- 70 230-310 50- 60 0- 2

SOI-5 FloodL FloodH Watertable Kind Months Bedrock Hardness FL0051 NONE 0.5-1.5 APPARENT MAR-SEP 60-60 FL0093 NONE 0-0.5 APPARENT FEB-SEP 60-60 FL0406 RARE COMMON 0-1.0 APPARENT MAR-SEP 60-60 FL0501 NONE - APPARENT - 60-60 FL0508 FREQ 0-0.5 APPARENT JAN-DEC 60-60

SOI-5 Depth Texture 3-Inch No-10 Clay% -CEC- FL0051 0- 3 S FS 0- 0 100-100 1- 5 2- 12 FL0051 3- 15 S FS 0- 0 100-100 0- 3 .3- 1 FL0051 15-30 S FS LS 0- 0 100-100 2- 8 8- 30 FL0051 30-66 S FS 0- 0 100-100 1- 4 .5- 3 FL0051 66-80 0- 0 100-100 2- 8 8- 30 FL0093 0- 4 MK-S MK-FS 0- 0 100-100 1- 6 12- 30 FL0093 0- 4 S FS 0- 0 100-100 1-5 2- 12 FL0093 4-16 S FS 0- 0 100-100 0- 3 .3- 1 FL0093 16-25 S FS LS 0- 0 100-100 2- 8 8- 30 FL0093 25-80 S FS 0-0 100-100 1- 4 .5- 3 FL0406 0- 3 FS S 0- 0 100- 100 1- 5 2- 12 FL0406 0- 3 MK-FS MK-S 0- 0 100-100 1- 6 12- 30 FL0406 3-15 FS S 0- 0 100-100 0- 3 .3- 1 FL0406 15-23 FS S LS 0- 0 100-100 2- 8 8- 30 FL0406 23-80 FS S 0- 0 100-100 1- 4 .5- 3 FL0501 0- 3 MUCK – 0- 0 90-200 FL0501 3-17 S FS 0- 0 100-100 0- 3 .3- 2 FL0501 17-80 S FS LFS 0- 0 100-

100 2- 8 8- 30 FL0508 0-26 S FS 0- 0 100-100 1- 3 1- 12 FL0508 26-40 S FS 0- 0 100-100 2- 8 12- 30
FL0508 40-80 S FS 0- 0 100-100 2-10 .5- 3

SOI-5 Depth -pH- O.M. Salin Permeab Shnk-Swll FL0051 0- 3 3.6- 6.5 .5-4. 0- 2 6.0- 20 LOW FL0051
3-15 3.6- 6.5 0.-.5 0- 2 6.0- 20 LOW FL0051 15-30 3.6- 6.5 2.-4. 0- 2 0.6- 6.0 LOW FL0051 30-66 3.6-
6.5 0.-.5 0- 2 2.0- 20 LOW FL0051 66-80 3.6- 6.5 1.-3. 0- 2 0.2- 2.0 LOW FL0093 0- 4 3.6- 6.5 10-20 0-
2 6.0- 20 LOW FL0093 0- 4 3.6- 6.5 2.-5. 0- 2 6.0- 20 LOW FL0093 4-16 3.6- 6.5 0.-.5 0- 2 6.0- 20
LOW FL0093 16-25 3.6- 6.5 1.-4. 0- 2 0.6-6.0 LOW FL0093 25-80 3.6- 6.5 0.-.5 0- 2 2.0- 20 LOW
FL0406 0- 3 3.6- 5.5 .5-4. 0- 2 6.0- 20 LOW FL0406 0- 3 3.6- 5.5 10-20 0- 2 6.0-20 LOW FL0406 3-15
3.6- 5.5 0.-.5 0- 2 6.0- 20 LOW FL0406 15-23 3.6- 5.5 1.-4. 0- 2 0.6- 6.0 LOW FL0406 23-80 3.6- 5.5 0.-
.5 0- 2 0.6- 20 LOW FL0501 0- 3 3.6- 5.5 20-80 0- 2 6.0- 20 LOW FL0501 3-17 3.6- 5.5 0.-.5 0- 2 6.0-
20 LOW FL0501 17-80 3.6- 5.5 1.-4. 0- 2 0.6- 6.0 LOW FL0508 0-26 4.5- 8.4 1.-3. 8-16 2.0- 6.0 LOW
FL0508 26-40 4.5-8.4 1.-4. 8-16 0.6- 6.0 LOW FL0508 40-80 4.5- 8.4 0.-.5 2- 8 0.6- 6.0 LOW

LYNCHBURG SERIES⁵

- MLRA(s): 133A-Southern Coastal Plain, 153A-Atlantic Coast Flatwoods, 153B-Tidewater Area
- MLRA Office Responsible: Raleigh, North Carolina
- Depth Class: Very deep
- Drainage Class (Agricultural): Somewhat poorly drained
- Internal Free Water Occurrence: Shallow, common
- Flooding Frequency and Duration: None
- Ponding Frequency and Duration: None
- Index Surface Runoff: Negligible
- Permeability: Moderate
- Landscape: Lower to upper coastal plain
- Landform: Marine terraces, flats Geomorphic
- Component: Talfs, dips
- Parent Material: Marine deposits, fluviomarine deposits
- Slope: 0 to 2 percent
- Elevation (type location): Unknown
- Mean Annual Air Temperature (type location): 62 degrees F.
- Mean Annual Precipitation (type location): 48 inches

Taxonomic Class

Fine-loamy, siliceous, semiactive, thermic Aeric Paleaquults

Typical Pedon

Lynchburg loamy fine sand – cultivated. (Colors are for moist soil.)

⁵ Source: NRCS, 2005b.

Ap – 0 to 6 inches; very dark gray (10YR 3/1) loamy fine sand; weak medium granular structure; very friable; common fine roots, few medium roots; very strongly acid; clear smooth boundary. (3 to 11 inches thick)

E – 6 to 10 inches; light olive brown (2.5Y 5/4) loamy fine sand; weak medium subangular blocky structure; very friable; common fine roots; few fine pores; common medium distinct dark gray (10YR 4/1) iron depletions; very strongly acid; clear smooth boundary. (0 to 10 inches thick)

Bt – 10 to 17 inches; light olive brown (2.5Y 5/4) sandy clay loam; weak medium subangular blocky structure; friable; common fine roots; few fine pores; few faint clay films on faces of some peds; common medium distinct light brownish gray (2.5Y 6/2) iron depletions and many medium distinct yellowish brown (10YR 5/6), and few fine medium prominent red (2.5YR 4/8) masses of oxidized iron; very strongly acid; clear wavy boundary.

Btg1 – 17 to 30 inches; light brownish gray (2.5Y 6/2) sandy clay loam; weak medium subangular blocky structure; friable; few fine roots; few fine pores; common faint clay films on faces of some peds; many medium prominent yellowish brown (10YR 5/6) and common medium prominent red (2.5YR 4/6) masses of oxidized iron; very strongly acid; gradual smooth boundary.

Btg2 – 30 to 65 inches; gray (10YR 6/1) sandy clay loam; weak medium subangular blocky structure; friable; few fine roots; common faint clay films on faces of peds; many medium prominent yellowish brown and many medium prominent red (2.5YR 4/8) masses of oxidized iron; very strongly acid; gradual smooth boundary.

Btg3 – 65 to 80 inches; gray (10YR 5/1) clay; weak medium subangular structure; firm; few fine roots; few faint clay films on faces of peds; many medium prominent strong brown (7.5YR 5/8) and few fine prominent red (2.5YR) masses of oxidized iron and few medium faint greenish gray (5BG 6/1) iron depletions; very strongly acid. (Combined thickness of the Bt horizons are more than 40 inches.)

Type Location

Colleton County, South Carolina, 3,000 feet southwest of junction of U.S. Highway 21 and Seaboard Coastline Railroad in Ruffin; 4 southwest of junction of U.S. Highway 21 and South Carolina Secondary Road 272; 100 feet north of U.S. Highway 21.

Range in Characteristics

- Thickness of the surface and subsurface layers: 3 to 19 inches
- Depth to top of the Argillic horizon: 3 to 19 inches
- Depth to the base of the Argillic horizon: 60 to more than 80 inches
- Soil reaction: Extremely acid to strongly acid throughout, except where limed
- Depth to Bedrock: Greater than 80 inches
- Depth to Seasonal High Water Table: 6 to 18 inches, November to April
- Rock Fragment content: 0 to 10 percent, by volume
- Other features: The particle-size control section contains less than 30 percent silt.

Range of Individual Horizons

Ap horizon or A horizon (where present)

- Color – hue of 10YR or 2.5Y, value of 2 to 5, and chroma of 1 to 2, or is neutral with value of 2 to 5
- Texture – sand, fine sand, loamy sand, loamy fine sand, sandy loam, fine sandy loam, or loam

E horizon

- Color – hue of 10YR or 2.5Y, value of 4 to 7, chroma of 1 to 4
- Texture – sand, fine sand, loamy sand, loamy fine sand, sandy loam, fine sandy loam, or loam
- Redoximorphic features (where present) – masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of brown, yellow, olive, or gray

Bt horizon

- Color – hue of 10YR or 2.5Y, value of 4 to 6, and chroma of 3 to 8
- Texture – sandy clay loam, but ranges to sandy loam, fine sandy loam, loam or clay loam.
- The particle-size control section contains less than 30 percent silt
- Redoximorphic features (where present) – masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of brown, yellow, olive, or gray

Btg horizon

- Color – hue of 10YR to 5Y, value of 4 to 7, chroma of 1 to 2, or is neutral with value of 4 to 7
- Texture – sandy loam, fine sandy loam, loam, sandy clay loam, or clay loam. Some pedons are sandy clay or clay at a depth of 40 inches or more
- Redoximorphic features (where present) – masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of brown, yellow, olive, or gray

BCg horizon

- Color – hue of 10YR to 5Y, value of 4 to 7, chroma of 1 or 2, or is neutral with value of 4 to 7
- Texture – sandy loam, fine sandy loam, loam, sandy clay loam, clay loam, sandy clay, or clay
- Redoximorphic features (where present) – masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of brown, yellow, olive, or gray

Competing Series

- Hazlehurst soils – have a firm, brittle Bx horizon with more than 5 percent plinthite
- Jedburg soils – contains more than 30 percent silt in the particle-size control section

Geographic Setting

- Landscape: Lower to upper coastal plain
- Landform: Marine terraces, flats
- Geomorphic Component: Talfs, dips

- Parent Material: Marine deposits, fluviomarine deposits
- Elevation: 40 to 450 feet
- Mean Annual Air Temperature: 57 to 70 degrees F.
- Mean Annual Precipitation: 38 to 52 inches Frost Free Period: 190 to 245 days

Geographically Associated Soils

- Clarendon soils – do not have redox depletions in the upper part of the argillic horizon
- Coxville soils – have a fine particle-size control section and have redox depletions with dominant chroma of 2 or less throughout
- Dunbar soils – have a fine particle-size control section
- Duplin soils – do not have redox depletions in the upper part of the argillic horizon and have a fine particle-size control section
- Eunola soils – are moderately well drained
- Foreston soils – do not have redox depletions in the upper part of the argillic horizon and have a coarse-loamy particle-size control section
- Goldsboro soils – are moderately well drained
- Grady soils – have a fine particle-size control section and have redox depletions with dominant chroma of 2 or less throughout Johns soils – have contrasting textures within a depth of 40 inches
- Ocilla soils – have sandy epipedon 20 to 40 inches thick
- Pelham soils – have redox depletions with dominant chroma of 2 or less throughout and sandy epipedon 20 to 40 inches thick
- Rains soils – are poorly drained
- Stallings soils – have a coarse-loamy particle-size control section
- Woodington soils – have a coarse-loamy particle-size control section

Drainage and Permeability

- Depth Class: Very deep
- Drainage Class (Agricultural): Somewhat poorly drained
- Internal Free Water Occurrence: Shallow, common
- Flooding Frequency and Duration: None
- Ponding Frequency and Duration: None
- Index Surface Runoff: Negligible
- Permeability: Moderate

Use and Vegetation

- Major Uses: About one-half of the soil is in cropland or pasture and the remainder is in forest
- Dominant Vegetation: Where cultivated – corn, soybeans, cotton, tobacco, truck crops, small grains, or improved pasture. Where wooded – oak, sweetgum, blackgum, longleaf pine, slash pine, loblolly pine, and an understory of gallberry and pineland threeawn.

Distribution and Extent

- Distribution: Georgia, Alabama, Florida, North Carolina, South Carolina, and Virginia
- Extent: Large

MLRA Office Responsible

Raleigh, North Carolina

Series Established

Tift County, Georgia; 1947.

Remarks

Diagnostic horizons and features recognized in this pedon are:

- Ochric epipedon – the zone from the surface of the soil to a depth of 10 inches (Ap and E horizons).
- Argillic horizon – the zone from 10 to 62 inches (Bt and Btg horizons).

Additional Data

None.

Tabular Series Data

SOI-5	Soil Name	Slope	Airtemp	FrFr/Seas	Precip	Elevation	
SC0037	LYNCHBURG	0-2	57-70	190-245	38-52	40-450	
SOI-5	FloodL	FloodH	Watertable	Kind	Months	Bedrock	Hardness
SC0037	NONE		0.5-1.5	APPARENT	NOV-APR	>80	-
SOI-5	Depth	Texture	3-Inch	No-10	Clay%	-CEC-	
SC0037	0-10	LS LFS S FS	0-0	90-100	2-10	1-4	
SC0037	0-10	SL FSL L	0-0	90-100	5-20	2-6	
SC0037	10-65	SCL SL CL	0-0	90-100	18-35	2-7	
SC0037	65-80	SCL SC C	0-0	92-100	20-50	2-7	
SOI-5	Depth	-pH-	O.M.	Salin	Permeab	Shnk-Swll	
SC0037	0-10	3.6-6.0	0.05-5.0	0-0	6.0-20	LOW	
SC0037	0-10	3.6-5.5	0.05-5.0	0-0	2.0-6.0	LOW	
SC0037	10-65	3.6-5.5	0.0-0.5	0-0	0.6-2.0	LOW	
SC0037	65-80	3.6-5.5	0.0-0.5	-	0.6-2.0	LOW	

MURVILLE SERIES⁶

The Murville series consists of very poorly drained soils that have rapid permeability in the A horizon and moderately rapid permeability in the Bh horizon. The soils formed from wet sandy marine and fluvial sediments. They are in flats or in slight depressions on broad interstream areas of uplands and stream terraces in the Coastal Plain. Slopes are less than 2 percent. At the type location, the mean annual temperature is about 63 degrees F., and the mean annual precipitation is about 50 inches.

Taxonomic Class

Sandy, siliceous, thermic Umbric Endoaquods

Typical Pedon

Murville fine sand – on a nearly level slope under pond pine with understory of gallberry, smilax, and canes. (Colors are for moist soil unless otherwise stated.)

Oe – 2 to 0 inches; partially decayed leaves, moss, and twigs.

A – 0 to 8 inches; black (N 2/) fine sand; weak fine granular structure; very friable; many roots; many clean quartz grains; loamy feel and appearance from organic matter; very strongly acid; clear wavy boundary. (6 to 11 inches thick)

Bh – 8 to 45 inches; black (10YR 2/1) fine sand; massive; very friable; few roots in upper portion; sand grains mostly have dark films or coatings; few clean quartz grains; loamy feel and appearance from organic matter; very strongly acid; gradual wavy boundary. (24 to 45 inches thick)

C – 45 to 70 inches; pale brown (10YR 6/3) fine sand with thin strata of sandy loam and sandy clay loam; single grained; loose; streaks of light gray (10YR 7/1); few old root channels; very strongly acid.

Type Location

New Hanover County, North Carolina; about 0.5 mile north of junction of U.S. Highway 421 and N. C. Highway 132, along N. C. 132 and east 1600 feet along canal in wooded area.

Range in Characteristics

Solum thickness ranges from 30 to 60 inches. Humus in the A and Bh horizons gives the sandy material a loamy feel and appearance. The soil is strongly acid to extremely acid.

A thin Oa or Oe horizon can be present in some pedons.

The A or Ap horizons have hue of 10YR to 5YR, or they are neutral, value of 2 or 3, and chroma of 0 to 2. There are few to common clean sand grains. Texture is sand, fine sand, loamy sand, loamy fine sand, or mucky analogues of these textures. Intermittent Eg horizons from 1/4 to 2 inches thick occur in fewer than 50 percent of the pedons.

The Bh horizon has hue of 5YR to 10YR, value of 2 or 3, and chroma of 1 or 2. It is sand, fine sand, loamy fine sand, or loamy sand. Few to common uncoated sand grains may be present and some pedons may have very thin discontinuous lamellae of clean sand. The sand grains in the lower horizons may have thin humus coatings with hue of 10YR to 5YR, value of 4 to 5, and chroma of 1 to 4.

⁶ Source: NRCS, 1999b.

Some pedons have a BEg or Eg horizon below the Bh horizon. Where present, the BEg horizon has hue of 10YR or 7.5YR, value of 4 or 5, and chroma of 3 or 4. The Eg horizon has hue of 7.5YR or 10YR, value of 5 to 7, and chroma of 1 or 2. Texture of the BEg and Eg horizons is sand, fine sand, loamy fine sand, or loamy sand. Thickness of the BE or Eg horizons ranges from 0 to 20 inches. Pedons that have either of these horizons also have a B'h horizon below them that has similar properties to the Bh horizon.

The C horizon, and Cg horizon where present, is dominantly fine sand, sand, loamy sand, or loamy fine sand, but may have lenses or strata of loamy material at depths of 50 to 80 inches below the surface. The C horizon has hue of 10YR to 5Y, value of 5 to 8, and chroma of 3. The Cg horizon has the same hue and value range, but has chroma of 1 or 2. Some pedons may have thin layers of darker-colored material.

Competing Series

These are Boulogne, Lynn Haven and Wesconnett series. Boulogne soils have sola thicker than 80 inches, are fine sand or loamy fine sand only, and have firm or very firm Bh horizons. Lynn Haven soils have continuous E horizons. Wesconnett soils have a B'h horizon, and in addition are sand or fine sand to depths of 80 inches or more.

Geographic Setting

Murville soils are nearly level and are on flat or slight depressional areas on Coastal Plain uplands and stream terraces. They formed in wet sandy marine or fluvial sediments. Slopes are less than 2 percent. Near the type location, mean annual temperature is about 63 degrees F., and mean annual precipitation is about 50 inches.

Geographically Associated Soils

These include the Baymeade, Kureb, Leon, Lynn Haven, Rutlege, and Torhunta soils. Baymeade, Kureb, and Leon soils are better drained and are on higher landscape positions than Murville soils. In addition, Baymeade and Kureb soils do not have a spodic horizon. Lynn Haven, Rutlege, and Torhunta soils are in the same landscape positions as Murville. Lynn Haven soils have continuous E horizons, Rutlege and Torhunta soils do not have a spodic horizon.

Drainage and Permeability

Murville soils are very poorly drained. Permeability is rapid in the A horizon, and moderately rapid in the Bh horizon. The water table is at or near the surface most of the time except during summer months or where artificially drained. Depth to the seasonal high water table ranges from 0 to 1 foot from November to May.

Use and Vegetation

Chiefly in cutover forests of pond pine, with a few scattered loblolly, longleaf pine, and red maple. Slash pine grow in the southern part of the range. Understory vegetation includes sweetbay, redbay, swamp cyrilla (red titi), zenobia, inkberry (bitter gallberry), large gallberry, greenbrier, switchcane, fetterbush lyonia, blueberry, loblollybay gordonia, southern bayberry (waxmyrtle), and a ground cover of sphagnum and club mosses, chainfern, broom sedge, and switchcane and maidencane in open areas. Where frequent burning has taken place only the understory species are present.

Distribution and Extent

Lower Coastal Plain of North Carolina and Florida. The series is of moderate extent.

MLRA Office Responsible

Raleigh, North Carolina

Series Established

New Hanover County, North Carolina; 1973.

Remarks

The Murville soils were formerly included in the Ridgeland series. However, Ridgeland soils are in a mixed mineralogy family. The April 1993 revision of this series changed the subgroup classification from Typic Haplaquods to Umbric Endoaquods.

Diagnostic horizons and soil properties recognized in the typical pedon are: Umbric epipedon - the zone from the surface of the soil to a depth of 45 inches (A and Bh horizons) Spodic horizon - the zone from 8 to 45 inches (Bh horizon) MLRA(S): 153A, 153B SIR: NC0085

Tabular Series Data

SOI-5	Soil Name	Slope	Airtemp	FrFr/Seas	Precip	Elevation		
NC0085	MURVILLE	0- 2	59- 70	190-290	45- 60	10- 90		
SOI-5	FloodL	FloodH	Watertable	Kind	Months	Bedrock	Hardness	
NC0085	NONE	RARE	-	APPARENT	-	60-60		
SOI-5	Depth	Texture			3-Inch	No-10	Clay%	-CEC-
NC0085	0- 8	FS S LFS			0- 0	100-100	2- 8	2- 11
NC0085	0- 8	MK-S MK-LS MK-LFS			0- 0	100-100	2- 8	9- 22
NC0085	8-45	FS S LFS			0- 0	100-100	2- 8	2- 10
NC0085	45-56	FS S			0- 0	100-100	2- 8	0- 4
NC0085	56-70	VAR			-	-	-	-
SOI-5	Depth	-pH-	O.M.	Salin	Permeab	Shnk-Swll		
NC0085	0- 8	3.5- 5.5	2.-9.	0- 0	6.0- 20	LOW		
NC0085	0- 8	3.5- 5.5	9.-15	0- 0	6.0- 20	LOW		
NC0085	8-45	3.5- 5.5	2.-8.	0- 0	2.0- 6.0	LOW		
NC0085	45-56	3.5- 5.5	0.-2.	0- 0	6.0- 20	LOW		
NC0085	56-70	-	-	-	-			

ONSLow SERIES⁷

The Onslow series consists of moderately well drained and somewhat poorly drained soils that formed from moderately fine-textured Coastal Plain sediments. These soils are on nearly level to slightly convex divides of uplands. Slopes range from 0 to 3 percent.

Taxonomic Class

Fine-loamy, siliceous, semiactive, thermic Spodic Paleudults

⁷ Source: NRCS, 2002b.

Typical Pedon

Onslow loamy fine sand, on a nearly level convex divide in woods. (Colors are for moist soil unless otherwise stated.)

A – 0 to 4 inches; very dark gray (10YR 3/1) loamy fine sand; weak medium granular structure; very friable; many fine roots; very strongly acid; clear wavy boundary. (3 to 6 inches thick)

E – 4 to 8 inches; gray (10YR 6/1) loamy fine sand; weak medium granular structure; very friable; common fine roots; very strongly acid; clear wavy boundary. (0 to 7 inches thick)

E/Bh – 8 to 14 inches; very pale brown (10YR 7/3), light yellowish brown (10YR 6/4), and reddish brown (5YR 5/4) loamy fine sand; massive; very friable to firm; about 1/3 of the horizon is weakly cemented Bh and 1/3 is strongly cemented Bh concretions ranging from 1/4 to 3/4 inch in size; few fine roots; very strongly acid; clear wavy boundary. (3 to 8 inches thick)

E' – 14 to 17 inches; very pale brown (10YR 7/3) loamy fine sand; weak medium granular structure; very friable; few fine roots; very strongly acid; clear wavy boundary. (0 to 10 inches thick)

BE – 17 to 20 inches; brownish yellow (10YR 6/6) fine sandy loam; few coarse distinct very pale brown (10YR 7/3) mottles; weak fine subangular blocky structure; very friable; few fine roots; very strongly acid; clear wavy boundary. (0 to 4 inches thick)

Bt1 – 20 to 30 inches; brownish yellow (10YR 6/6) sandy clay loam; few medium distinct strong brown (7.5YR 5/8), and light gray (10YR 7/1) mottles; weak medium subangular blocky structure; friable, slightly sticky, slightly plastic; few medium roots; few thin clay films on faces of peds; very strongly acid; gradual wavy boundary. (6 to 15 inches thick)

Bt2 – 30 to 41 inches; mottled light yellowish brown (10YR 6/4), strong brown (7.5YR 5/8), and light gray (10YR 7/2) sandy clay loam; weak medium subangular blocky structure; friable; slightly sticky, slightly plastic; few thin clay films on faces of peds; very strongly acid; gradual wavy boundary. (8 to 15 inches thick)

Btg – 41 to 53 inches; light gray (10YR 7/2) sandy clay loam; common medium distinct brownish yellow (10YR 6/8), and few fine prominent yellowish red (5YR 5/8) mottles; weak medium subangular blocky structure; friable, slightly sticky, slightly plastic; few thin clay films on faces of peds; very strongly acid; gradual wavy boundary. (5 to 14 inches thick)

BCg – 53 to 68 inches; light gray (10YR 7/1, 6/1) sandy clay loam with lenses of sandy loam; common medium distinct yellowish red (5YR 5/8) mottles; weak subangular blocky structure; friable; slightly sticky; few small bodies of clean sand; very strongly acid; gradual wavy boundary. (7 to 20 inches thick)

Cg – 68 to 80 inches; white (10YR 8/1) sandy loam with common lenses of loamy sand; few medium distinct light yellowish brown (10YR 6/4) and brownish yellow (10YR 6/8) mottles; massive; friable; very strongly acid.

Type Location

Onslow County, North Carolina; 0.6 mile southwest of Swansboro, 0.3 mile north of intersection of SR 1444 and SR 1447, 100 feet east of SR 1444.

Range in Characteristics

The loamy textured horizons extend to 60 inches or more below the soil surface. The reaction ranges from strongly acid to extremely acid in all horizons except where the surface has been limed.

The A or Ap horizon has hue of 10YR to 5Y, value of 3 to 5, and chroma of 1 to 3.

The E horizon, where present, has hue of 10YR to 5Y, value of 5 to 7, and chroma of 1 to 4.

The E portion of the E and Bh horizon has hue of 10YR or 2.5Y, value of 4 to 8, and chroma of 3 to 6. The Bh portion has hue of 10YR, 7.5YR or 5YR, value of 2 to 5, and chroma of 2 to 4. It is discontinuous and ranges from 15 to 75 percent of the E/Bh horizon. Weakly to strongly cemented Bh concretions range from 15 to 35 percent of the Bh portion of this horizon. In some pedons the Bh horizon is destroyed by tillage but the Bh concretions remain in the plow layer as evidence of this horizon.

The E' horizon, where present, has hue of 10YR to 5Y, value of 5 to 8, and chroma of 2 to 4. The A, E, and E/Bh horizons are loamy fine sand, fine sandy loam, loamy sand, and sandy loam.

The BE horizon where present, has hue of 10YR to 5Y, value of 5 to 7, and chroma of 3 to 8. It is fine sandy loam, sandy loam, or sandy clay loam.

The Bt horizon has hue of 10YR to 5Y or rarely 7.5YR, value of 5 to 8, and chroma of 3 to 8 or is mottled in shades of these colors. Mottles in shades of gray, brown, and red are in most pedons with a dominant matrix color.

The Btg and BCg horizons have hue of 10YR to 5Y, value of 5 to 8, and chroma of 1 to 2. Mottles in shades of yellow, brown, and red are in most pedons. The Bt, Btg, and BCg horizons are sandy clay loam, clay loam, fine sandy loam, and sandy loam.

The Cg horizon has hue of 10YR to 5Y, value of 5 to 8, and chroma of 1 to 3. Mottles in shades of yellow and brown are in some pedons. It is sandy clay loam, clay loam, sandy loam, loamy sand, and sand or is stratified with these textures. Some pedons have clayey or silty IIC horizons.

Competing Series

There are no other series in this family. Those closely related families are the Baymeade, Craven, Foreston, Goldsboro, Leon, Mandarin, Mascotte, and Seagate series. Baymeade and Seagate soils have arenic surface layers. Craven, Foreston, and Goldsboro soils do not have spodic horizons. Leon, Mandarin, and Mascotte soils have a continuous spodic horizon and in addition, Leon and Mandarin soils lack an argillic horizon.

Geographic Setting

Onslow soils are on slightly convex interstream divides in the lower Coastal Plain. Slopes range from 0 to 3 percent. They formed in loamy Coastal Plain sediments at elevations of about 20 to 65 feet above sea level. Average annual precipitation is about 50 inches and mean annual temperature is 63 degrees F. near the type location.

Geographically Associated Soils

In addition to the competing series, these are the Autryville, Echaw, Lenoir, Lynchburg, Pactolus, Rains, Stallings, and Wrightsboro series. Except for the Echaw, none of the soils have a spodic horizon. Echaw soils are sandy and have a continuous spodic horizon at a depth of 30 to 50 inches.

Drainage and Permeability

Moderately well drained and somewhat poorly drained; slow runoff; moderate permeability. The seasonal high water table is about 18 inches below the surface for 2 to 4 months in most years.

Use and Vegetation

About 2/3 of the acreage is cleared and used for crops, pasture, or urban. Main crops grown are corn, soybeans, and tobacco. Native woodland species include loblolly pine, longleaf pine, red oak, white oak, water oak, hickory, sweetgum, red maple, holly, dogwood, and sweetbay.

Distribution and Extent

Lower Coastal Plains of North Carolina, South Carolina, Virginia, and possibly Georgia and Florida. The series is inextensive.

MLRA Office Responsible

Raleigh, North Carolina

Series Established

Onslow County, North Carolina, 1921.

Remarks

Diagnostic horizons and features recognized in this pedon are:

- Ochric epipedon – the zone from the surface to a depth of 8 inches (the A and E horizons).
- Albic horizon – the zone from a depth of 4 to 8 inches (the E horizon - not required).
- Argillic horizon – the zone from a depth of 20 to 68 inches.

Tabular Series Data

SOI-5	Soil Name	Slope	Airtemp	FrFr/Seas	Precip	Elevation	
NC0049	ONSLOW	0- 3	59- 64	190-250	46- 57	25- 65	
SOI-5	FloodL	FloodH	Watertable	Kind	Months	Bedrock	Hardness
NC0049	NONE		1.5-3.0	APPARENT	DEC-APR	60-60	
SOI-5	Depth	Texture		3-Inch	No-10	Clay%	-CEC-
NC0049	0-17	LFS LS		0- 0	95-100	2- 8	1- 3
NC0049	0-17	FSL SL		0- 0	95-100	5-15	1- 4
NC0049	17-53	SCL SL CL		0- 0	95-100	15-35	2- 4
NC0049	53-80	VAR		-	-	-	-
SOI-5	Depth	-pH-	O.M.	Salin	Permeab	Shnk-Swll	
NC0049	0-17	3.5- 5.5	.5-2.	0- 0	6.0- 20	LOW	
NC0049	0-17	3.5- 5.5	.5-2.	0- 0	2.0- 6.0	LOW	
NC0049	17-53	3.5- 5.5	0.-.5	0- 0	0.6- 2.0	LOW	
NC0049	53-80	-	-	-	-		

PANTEGO SERIES⁸

The Pantego series consists of very deep, very poorly drained, moderately permeable soils that formed in thick loamy sediments on the Southern Coastal Plain and Atlantic Coast Flatwoods. Slopes are less than 2 percent. Near the type location mean annual temperature is 62 degrees F., and mean annual precipitation is 48 inches.

Taxonomic Class

Fine-loamy, siliceous, semiactive, thermic Umbric Paleaquults

Typical Pedon

Pantego loam – cultivated field. (Colors are for moist soil unless otherwise stated.)

Ap – 0 to 10 inches; black (10YR 2/1) loam; weak fine granular structure; very friable; many fine roots; very strongly acid; gradual wavy boundary. (0 to 12 inches thick)

A – 10 to 18 inches; very dark gray (10YR 3/1) loam; weak fine granular structure; friable; very strongly acid; clear smooth boundary. (4 to 14 inches thick)

Bt – 18 to 27 inches; very dark gray (10YR 3/1) sandy clay loam; weak fine subangular blocky structure; friable; few faint clay films on faces of peds and in pores; very strongly acid; gradual wavy boundary. (0 to 18 inches thick)

Btg1 – 27 to 42 inches; gray (10YR 5/1) sandy clay loam; few fine and medium distinct mottles of brownish yellow (10YR 6/6); weak fine and medium subangular blocky structure; friable; slightly sticky; few faint clay films on faces of peds; very strongly acid; gradual smooth boundary.

Btg2 – 42 to 55 inches; gray (10YR 6/1) sandy clay loam; few medium and coarse distinct mottles of yellowish brown (10YR 5/6); weak fine subangular blocky structure; friable, slightly sticky; few faint clay films on faces of peds; very strongly acid; gradual wavy boundary.

Btg3 – 55 to 65 inches; gray (10YR 6/1) sandy clay loam; weak coarse subangular blocky structure; friable; few faint clay films on faces of peds; very strongly acid. (Combined thickness of the Btg horizons is 30 to more than 60 inches.)

Type Location

Pitt County, North Carolina; 1/2 mile south of Winterville, North Carolina, on Highway 11, 100 feet west from road.

Range in Characteristics

Solum thickness is greater than 60 inches. The soil is strongly acid, very strongly acid, or extremely acid except where the surface has been limed.

Some pedons have an Oa horizon that has hue of 10YR, value of 2 or 3, and chroma of 1; or it is neutral and has value of 2. It is less than 8 inches thick.

⁸ Source: NRCS, 1999c.

The A or Ap horizon has hue of 10YR or 2.5Y or is neutral, value of 2 or 3, and chroma of 0 to 2. It is loamy fine sand, loamy sand, fine sandy loam, sandy loam, loam, or mucky analogues of these textures.

Some pedons have an Eg horizon that has hue of 10YR or 2.5Y or is neutral, value of 4 to 6, and chroma of 0 to 2. It is loamy sand, loamy fine sand, sandy loam, fine sandy loam, or loam.

Some pedons have a BEg horizon that has hue of 10YR or 2.5Y, value of 4 or 6, and chroma of 1 or 2. It is loam, sandy loam, fine sandy loam, or sandy clay loam.

The Bt horizon, where present, has hue of 10YR or 2.5Y, value of 3, and chroma of 1 or 2. It has the same textures as the Btg horizon.

The Btg horizon has hue of 10YR to 5Y, value of 4 to 7, and chroma of 1 or 2 with few to common mottles of higher chroma. The Btg horizon is sandy clay loam, sandy loam, sandy clay, or clay loam, fine sandy loam, or sandy loam.

Some pedons have a BCg horizon that has hue of 10YR or 2.5Y, value of 4 to 7, and chroma of 1 or 2. It is sandy clay loam, clay loam, sandy clay, sandy loam, or fine sandy loam.

The Cg horizon, where present, has hue of 10YR or 2.5Y, value of 5 to 7, and chroma of 1 or 2 with higher chroma mottles. It is sandy clay loam, clay loam, sandy loam, fine sandy loam, loamy fine sand, fine sand, loamy sand, or sand.

Competing Series

There are no other series in the same family. Bayboro, Byars, Cape Fear, Ellabelle, Hyde, Johnston, Lumbee, Paxville, Pocomoke, Portsmouth, Rains, Surrency, Torhunta, and Weeksville series are in closely related families. Bayboro, Byars, and Cape Fear soils have Btg horizons containing more than 35 percent clay. Ellabelle and Surrency soils have arenic umbric epipedons. Hyde soils have mixed mineralogy. Johnston, Torhunta, and Weeksville soils lack Btg horizons. Lumbee and Rains soils have ochric epipedons and, in addition, Lumbee soils have thinner sola. Pocomoke soils have sandy BCg horizons at depths of 40 to 60 inches. Portsmouth soils have mixed mineralogy and a decrease in clay of 20 percent or more within 60 inches of the surface.

Geographic Setting

Pantego soils are in nearly level and slightly depressional areas of the Southern Coastal Plain and Atlantic Coast Flatwoods. Slope gradients are less than 2 percent. The soil formed in medium-textured Coastal Plain deposits. Mean annual temperature is 62 degrees F. near the type location, and mean annual rainfall is about 48 inches.

Geographically Associated Soils

In addition to the competing Byars, Rains, and Torhunta series, these include Coxville, Dothan, Dunbar, Duplin, Goldsboro, Lynchburg, Marlboro, Norfolk, and Rutlege series. Except for Rutlege, these soils lack umbric epipedons and are better drained than Pantego soils. Rutlege soils are sandy throughout.

Drainage and Permeability

Very poorly drained; ponded to very slow runoff; moderate permeability. The water table is at or near the surface during wet seasons.

Use and Vegetation

Most of the areas are in forests and the native vegetation consists of water tupelo, water, oaks, willow oak, sweetgum, blackgum, red maple, bald cypress, and pond, loblolly and slash pines. The understory includes inkberry, gallberry, sweetbay, greenbrier, southern bayberry, swamp cyrilla, switch cane and ferns. Cleared areas are used primarily for corn, soybeans, small grain, truck crops, hay, and pasture.

Distribution and Extent

Coastal Plain of Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, and Virginia. The series is of moderate extent. MLRA OFFICE RESPONSIBLE: Raleigh, North Carolina

Series Established

Pitt County, North Carolina; 1969. REMARKS: Diagnostic horizons and features recognized in this pedon are: Umbric epipedon - the zone from the surface to a depth of 27 inches (the Ap, A and Bt horizons) Argillic horizon - the zone from a depth of 18 to 65 inches (the Bt, Btg1, Btg2, and Btg3 horizons) MLRA: 133A, 153A SIR: NC0051, NC0218 (Flooded), NC0217 (Ponded)

Tabular Series Data

SOI-5	Soil Name	Slope	Airtemp	FrFr/Seas	Precip	Elevation
NC0051	PANTEGO	0- 2	59- 70	190-310	38- 60	25- 450
NC0217	PANTEGO	0- 1	59- 70	190-310	50- 60	25- 300
NC0218	PANTEGO	0- 2	59- 70	190-310	38- 60	25- 300

SOI-5	FloodL	FloodH	Watertable	Kind	Months	Bedrock	Hardness
NC0051	NONE	RARE	0-1.0	APPARENT	NOV-MAY	60-60	
NC0217	NONE		-	APPARENT	-	60-60	
NC0218	COMMON		0-1.0	APPARENT	JAN-DEC	60-60	

SOI-5	Depth	Texture	3-Inch	No-10	Clay%	-CEC-
NC0051	0-18	MK-L MK-FSL	0- 0	95-100	5-15	11- 18
NC0051	0-18	L FSL SL	0- 0	95-100	5-15	5- 13
NC0051	0-18	LFS LS	0- 0	95-100	4-10	4- 12
NC0051	18-42	SCL SL CL	0- 0	95-100	18-35	4- 8
NC0051	42-65	CL SC SCL	0- 0	95-100	20-40	4- 9
NC0217	0- 5	MK-LS LS LFS	0- 0	95-100	4-10	11- 18
NC0217	0- 5	L FSL SL	0- 0	95-100	5-15	5- 13
NC0217	0- 5	MUCK	0- 0	-	0- 0	4- 12
NC0217	5-32	SL SCL CL	0- 0	95-100	18-35	4- 8
NC0217	32-64	SC SCL CL	0- 0	95-100	20-40	4- 9
NC0218	0-18	MK-L MK-FSL MK-SL	0- 0	95-100	5-15	11- 18
NC0218	0-18	L FSL SL	0- 0	95-100	5-15	5- 13
NC0218	0-18	MK-LS MK-FSL	0- 0	95-100	4-10	4- 12
NC0218	18-42	SCL SL CL	0- 0	95-100	18-35	4- 8
NC0218	42-65	CL SC SCL	0- 0	95-100	20-40	4- 9

SOI-5	Depth	-pH-	O.M.	Salin	Permeab	Shnk-Swll
NC0051	0-18	3.5- 5.5	10-15	0- 0	0.6- 2.0	LOW
NC0051	0-18	3.5- 5.5	4.-10	0- 0	2.0- 6.0	LOW
NC0051	0-18	3.5- 5.5	3.-10	0- 0	2.0- 6.0	LOW
NC0051	18-42	3.5- 5.5	.5-2.	0- 0	0.6- 2.0	LOW
NC0051	42-65	3.5- 5.5	0.-.5	0- 0	0.6- 2.0	LOW
NC0217	0- 5	3.5- 5.5	6.-15	0- 2	2.0- 6.0	LOW
NC0217	0- 5	3.5- 5.5	4.-10	0- 2	2.0- 6.0	LOW
NC0217	0- 5	3.5- 5.5	25-99	0- 2	6.0- 20	LOW
NC0217	5-32	3.5- 5.5	.5-2.	0- 2	0.6- 2.0	LOW

NC0217	32-64	3.5-	5.5	.5-1.	0- 2	0.2-	0.6	LOW
NC0218	0-18	3.5-	5.5	10-15	0- 0	0.6-	2.0	LOW
NC0218	0-18	3.5-	5.5	4.-10	0- 0	2.0-	6.0	LOW
NC0218	0-18	3.5-	5.5	10-15	0- 0	2.0-	6.0	LOW
NC0218	18-42	3.5-	5.5	.5-2.	0- 0	0.6-	2.0	LOW
NC0218	42-65	3.5-	5.5	0.-.5	0- 0	0.6-	2.0	LOW

WOODINGTON SERIES⁹

The Woodington series consists of poorly drained soils on broad, smooth interstream divides on the Coastal Plain. They are formed in loamy textures in Coastal Plain sediments. Slopes range from 0 to 2 percent.

Taxonomic Class

Coarse-loamy, siliceous, semiactive, thermic Typic Paleaquults

Typical Pedon

Woodington loamy sand – forested. (Colors are for moist soil unless otherwise stated.)

A1 – 0 to 4 inches; very dark gray (10YR 3/1) loamy sand; weak medium granular structure; very friable; many fine roots; very strongly acid; gradual wavy boundary. (3 to 5 inches thick.)

E – 4 to 12 inches; grayish brown (10YR 5/2) loamy sand; weak medium granular structure; very friable; many fine roots; few medium pores filled with dark gray soil; very strongly acid; clear wavy boundary. (5 to 15 inches thick.)

Btg1 – 12 to 16 inches; light brownish gray (10YR 6/2) sandy loam; few medium distinct light yellowish brown (10YR 6/4) mottles; weak fine subangular blocky structure; very friable, slightly sticky; sand coated and bridged with clay; few medium pores filled with dark gray material; very strongly acid; gradual wavy boundary. (3 to 10 inches thick.)

Btg2 – 16 to 32 inches; gray (10YR 6/1) sandy loam; few medium distinct light yellowish brown (10YR 6/4) and strong brown (7.5YR 5/6) mottles; weak fine subangular blocky structure; friable; slightly sticky; sand coated and bridged with clay; very strongly acid; gradual wavy boundary. (10 to 20 inches thick.)

Btg3 – 32 to 47 inches; gray (10YR 6/1) sandy loam; common pockets of sand that are light gray (10YR 7/1) and yellowish brown (10YR 5/4); weak fine subangular blocky structure; very friable; very strongly acid; gradual wavy boundary. (12 to 20 inches thick.)

Cg – 47 to 85 inches; light gray (10YR 7/1) loamy sand; few medium distinct brownish yellow (10YR 6/6) mottles; weak fine granular structure; loose; common small pockets (skeletons) of clean sand; very strongly acid.

Type Location

Lenoir County, North Carolina; 5 miles south of Kinston; 1/2 mile north of intersection of State Road 1161 and 1149; 10 feet north of State Road 1149 in wooded area.

⁹ Source: NRCS, 1999d.

Range in Characteristics

Thickness of the solum is more than 60 inches. The soil reaction ranges from extremely acid through strongly acid throughout the solum unless limed. Some pedons contain a few fine flakes of mica.

The A1 or Ap horizon has hue of 10YR to 5Y, or it is neutral, value of 2 to 5, and chroma of 0 to 2. Texture is loamy sand, loamy fine sand, sandy loam, or fine sandy loam.

The E horizon has hue of 10YR to 5Y or it is neutral, value of 4 to 7, and chroma of 0 to 2. Some pedons have mottles in shades of brown or yellow. Textures range the same as the surface horizon.

The Btg horizon has hue of 10YR to 5Y or it is neutral, value of 5 to 7, and chroma of 0 to 2. Mottles in shades of brown, yellow, and red are in most pedons. Texture is sandy loam or fine sandy loam. Silt content ranges from 5 to 30 percent.

The Cg horizon is in shades of gray, brown, and yellow or is mottled in these colors. The texture is loamy sand, loamy fine sand, sand, or fine sand. Thin strata of these textures are in some pedons.

Competing Series

The competing series are Bayou and Smithton in the same family. Similar soils in related families include Atmore, Fallsington, Pactolus, Plummer, Rains, Stallings, Torhunta, and Weston series. Bayou soils contain more than 18 percent clay in lower Btg, and are more compacted. Smithton soils contain more than 30 percent silt. Atmore soils have more than 5 percent plinthite within 60 inches of the surface and, contain more silt. Fallsington and Rains soils have more than 18 percent clay in the control section and Fallsington soils are mesic. Pactolus soils are sandy, lack argillic horizons, and have better drainage. Plummer soils have grossarenic epipedons and loamy Bt horizons. Stallings soils have colors of chroma 3 or more in the upper Bt horizon. Torhunta soils have umbric epipedons. Weston soils have solum thickness less than 60 inches.

Geographic Setting

Woodington soils are on nearly level smooth interstream divides in the Coastal Plain. Slopes are 2 percent or less. The soil formed in coarse textured Coastal Plain sediments. Average annual precipitation is 48 inches and mean annual temperature is 63 degrees F. near the type location.

Geographically Associated Soils

These are the Pactolus, Plummer, Rains, Stallings, and Torhunta soils of the competing series, and associated soils of better drainage on higher parts of the landscape are Goldsboro, Lynchburg, Norfolk, and Pocalla soils.

Drainage and Permeability

Poorly drained; slow runoff; moderately rapid permeability. A seasonal high water table is within 10 inches of the surface in periods of high rainfall.

Use and Vegetation

Most of the area is in forest of mixed hardwood and pine with loblolly and pond the principal pine species. Cleared areas are used for corn, soybeans, small grains, and pasture.

Distribution and Extent

Coastal Plains of North Carolina, Florida, Georgia, South Carolina, and Virginia. The series is of moderate extent.

MLRA Office Responsible

Raleigh, North Carolina

Series Established

Lenoir County, North Carolina; 1973.

Remarks

These soils were formerly included in the Weston series.

Tabular Series Data**Additional Data**

North Carolina State University Soil Department laboratory data at site location.

WRIGHTSBORO SERIES¹⁰

The Wrightsboro series consists of very deep, moderately well drained soils on broad interstream divides in the lower Coastal Plain. These soils formed in loamy and clayey marine sediments. Slopes range from 0 to 4 percent and are dominantly less than 2 percent. Mean annual precipitation is about 53 inches and mean annual temperature is about 63 degrees F., near the type location.

Taxonomic Class

Fine-loamy, siliceous, semiactive, thermic Aquic Paleudults

Typical Pedon

Wrightsboro fine sandy loam – cultivated; elevation of 30 feet. (Colors are for moist soil unless otherwise stated.)

Ap – 0 to 6 inches; grayish brown (10YR 5/2) fine sandy loam; weak medium granular structure; very friable; few fine roots; moderately acid; clear smooth boundary. (6 to 10 inches thick)

E – 6 to 9 inches; very pale brown (10YR 7/4) fine sandy loam; weak fine granular structure; very friable; few fine roots; strongly acid; clear smooth boundary. (2 to 10 inches thick)

Bt1 – 9 to 24 inches; brownish yellow (10YR 6/6) sandy clay loam; weak medium subangular blocky structure; friable; few distinct clay films on faces of peds and in pores; strongly acid; gradual wavy boundary.

Bt2 – 24 to 36 inches; brownish yellow (10YR 6/6) sandy clay loam; common medium distinct light gray (10YR 7/2) and very pale brown (10YR 6/3) mottles; weak medium subangular blocky structure; friable;

¹⁰ Source: NRCS, 2002c.

slightly sticky, slightly plastic; few distinct clay films on faces of peds and in pores; very strongly acid; gradual wavy boundary.

Bt3 – 36 to 48 inches; brownish yellow (10YR 6/6) sandy clay loam medium; many medium distinct light gray (10YR 7/1) and common medium distinct yellowish red (5YR 5/8) mottles; moderate medium subangular blocky structure; firm, slightly sticky, slightly plastic; common prominent clay films on faces of peds; very strongly acid; clear smooth boundary (combined thickness of the Bt horizon is 32 to 72 inches).

2Bg – 48 to 65 inches; light gray (10YR 7/2) clay with few strata of very fine sand and silt; many coarse distinct yellow (10YR 7/8) and common prominent reddish yellow (5YR 6/6) mottles; common reddish yellow (7.5YR 7/6) mottles surround old root channels; weak fine angular blocky structure; very firm, very sticky, very plastic; few fine flakes of mica; strongly acid.

Type Location

New Hanover County, North Carolina; 3.5 miles north of Wilmington on U.S. Highway 117, 110 feet west of U.S. Highway 117, 50 feet north of Secondary Road 1329.

Range in Characteristics

Solum thickness is more than 60 inches. Depth to bedrock is more than 60 inches and is commonly more than several hundred feet. The clayey 2B horizon is at a depth of 40 to 80 inches. Soil reaction ranges from very strongly acid to moderately acid, except where surface layers have been limed. Limed soils typically have slightly acid or neutral surface layers. Flakes of mica range from none to common in the B and C horizons.

The A or Ap horizon has hue of 10YR to 5Y, value of 4 to 6, and chroma of 1 or 2, or is neutral with value of 4 to 6. It is fine sandy loam, sandy loam, loamy fine sand, or loamy sand.

The E horizon has hue of 10YR to 2.5Y, value of 6 or 7, and chroma of 3 to 8. It is fine sandy loam, sandy loam, loamy fine sand, or loamy sand.

The BE or BA horizon, where present, has 10YR to 2.5Y, value of 5 or 7, and chroma of 3 to 8. It is fine sandy loam, sandy loam, or loam.

The Bt horizon has hue of 10YR or 2.5Y, value of 5 to 7, and chroma of 3 to 8. Mottles are in shades of red, brown, yellow, or gray. Texture is sandy clay loam, clay loam, or loam. Clay content averages 24 to 35 percent and silt content is less than 30 percent.

The Btg horizon, where present, has hue of 10YR or 2.5Y, value of 5 to 7, and chroma of 1 or 2, or is neutral with value of 4 to 7. Mottles are in shades of red, brown, yellow, or gray. Texture is sandy clay loam, clay loam, or loam. Clay content averages 24 to 35 percent and silt content is less than 30 percent.

The 2Bg horizon has hue of 10YR or 2.5Y, value of 5 to 7, and chroma of 1 or 2, or is neutral with value of 4 to 7. Mottles are in shades of red, brown, yellow, or gray. Texture is clay or sandy clay. Most pedons have lenses or fine strata of sandy or silty material.

The 2BCg or 2Cg horizon, where present, has hue of 10YR to 5Y, value of 5 to 7, and chroma of 1 or 2, or is neutral with value of 4 to 7. Mottles are in shades of red, brown, yellow, or gray. Texture is clay or sandy clay. Most pedons have lenses or fine strata of sandy or silty material.

Competing Series

These are the Goldston, Izagora, Kullit, Quitman, and Whitwell soils in the same family, and the Altavista, Tetotum, Craven, Duplin, Foreston, Stallings, Johns, Kempsville, and Ogeechee soils in similar families. Goldston and Whitwell soils do not have a lithologic discontinuity within 40 to 80 inches. Altavista and Tetotum soils have mixed mineralogy. Craven and Duplin soils have a clayey particle-size control section. Foreston and Stallings soils have a coarse-loamy particle-size control section. Kullit soils have hue of 5YR in part of the Bt horizon. Johns soils have solum thickness less than 40 inches and have a fine-loamy over sandy or sandy-skeletal particle-size control section. Kempsville soils do not have low chroma mottles in the upper subsoil. Ogeechee soils have mottles with chroma of 2 or less throughout the upper subsoil. Quitman soils have a Btx horizon, and in addition do not have a lithologic discontinuity and a clayey 2B horizon.

Geographic Setting

Wrightsboro soils are on broad interstream divides in the lower Coastal Plain. Slopes range from 0 to 4 percent, but are dominantly less than 2 percent. The soils formed in fluvial and marine sediments that have mixed mineralogy. The average annual rainfall ranges from about 38 to 55 inches, the frost free season ranges from about 220 to 256 days, and the mean annual air temperature ranges from 59 to 71 degrees F.

Geographically Associated Soils

These are the competing Craven, Foreston, Kempsville, Ogeechee, and Stallings series and the Pactolus, Paxville, Torhunta, and Woodington soils. Pactolus soils are sandy throughout. Paxville and Torhunta soils have an umbric epipedon and Torhunta and Woodington soils have a coarse-loamy particle-size control section.

Drainage and Permeability

Moderately well drained; slow runoff; and moderate permeability in the upper subsoil (Bt) and slow permeability in the lower subsoil (2Bg).

Use and Vegetation

Most area are cleared and used for cultivated crops and pasture. Many areas are used for residential and industrial development. Forested areas are in mixed hardwood and pines with understory of myrtle, gallberry, dogwood, and holly.

Distribution and Extent

The lower Coastal Plain of North Carolina and possibly South Carolina and Virginia. The series is of small extent.

MLRA Office Responsible

Raleigh, North Carolina

Series Established

New Hanover County, North Carolina; 1974.

Remarks

This series was formerly mapped with Goldsboro and Johns soils. Diagnostic horizons and features recognized in this pedon are:

- Ochric epipedon – the zone from the surface to a depth of 9 inches (A and E horizons)
- Argillic horizon – the zone from a depth of 9 to a depth of 48 inches (Bt1, Bt2, and Bt3 horizons)

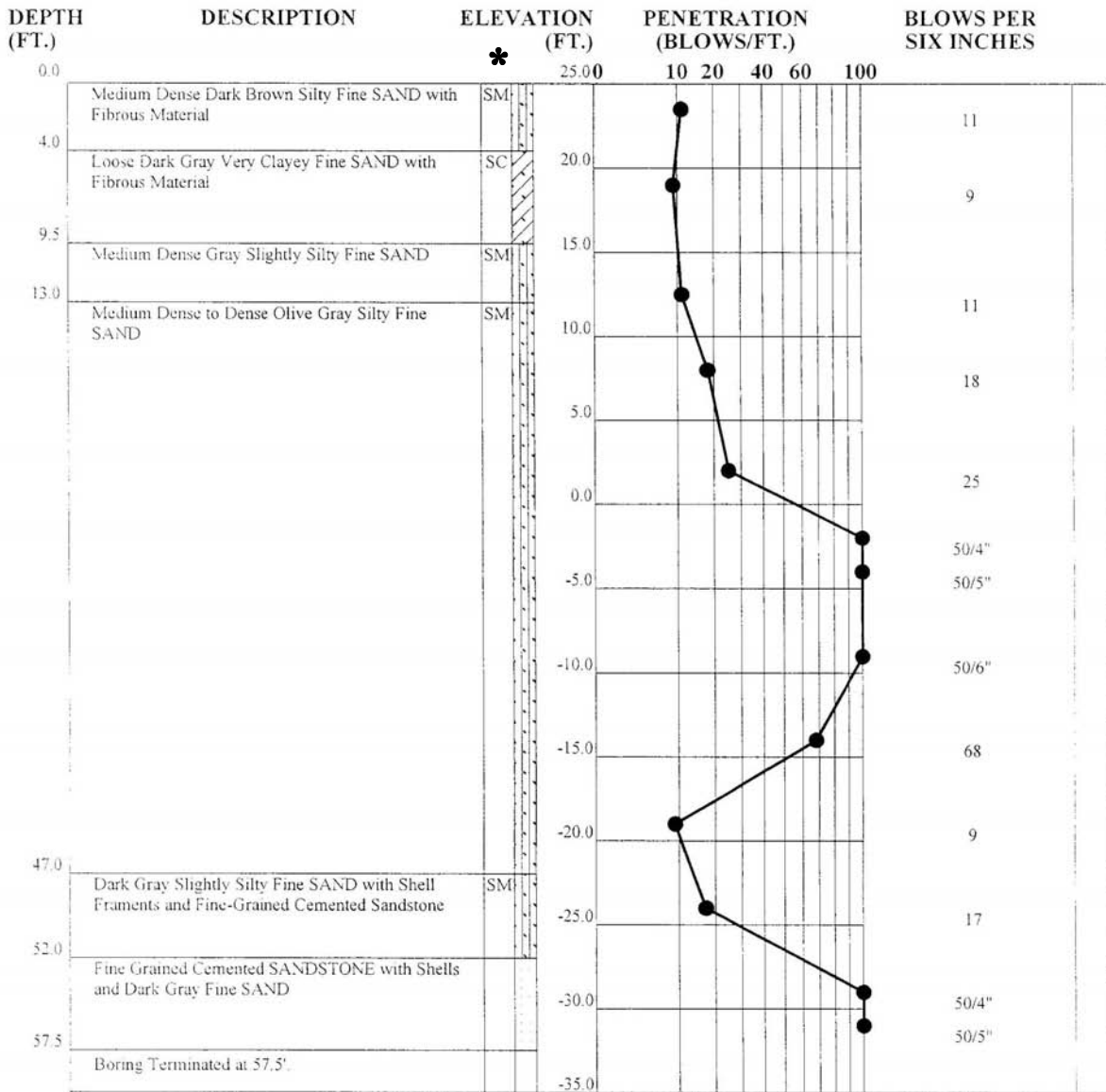
Tabular Series Data

SOI-5	Soil Name	Slope	Airtemp	FrFr/Seas	Precip	Elevation	
NC0011	WRIGHTSBOR	0- 4	59- 70	220-256	38- 55	25- 95	
SOI-5	FloodL	FloodH	Watertable	Kind	Months	Bedrock	Hardness
NC0011	NONE		2.0-3.0	APPARENT	DEC-FEB	60-60	
SOI-5	Depth	Texture		3-Inch	No-10	Clay%	-CEC-
NC0011	0- 9	LS LFS		0- 0	95-100	4-12	1- 5
NC0011	0- 9	SL FSL		0- 0	95-100	5-18	1- 6
NC0011	9-48	SCL CL L		0- 0	95-100	18-35	3- 8
NC0011	48-65	C SC		0- 0	95-100	35-60	7- 13
SOI-5	Depth	-pH-	O.M.	Salin	Permeab	Shnk-Swll	
NC0011	0- 9	4.5- 6.0	.5-2.	0- 0	6.0- 20	LOW	
NC0011	0- 9	4.5- 6.0	.5-2.	0- 0	2.0- 6.0	LOW	
NC0011	9-48	4.5- 6.0	0.-.5	0- 0	0.6- 2.0	LOW	
NC0011	48-65	4.5- 6.0	0.-.5	0- 0	0.06- 0.2	MODERATE	

Appendix F

Soil Test Boring Records in the GLE Study Area (1980 and 2007)

TEST BORING RECORD

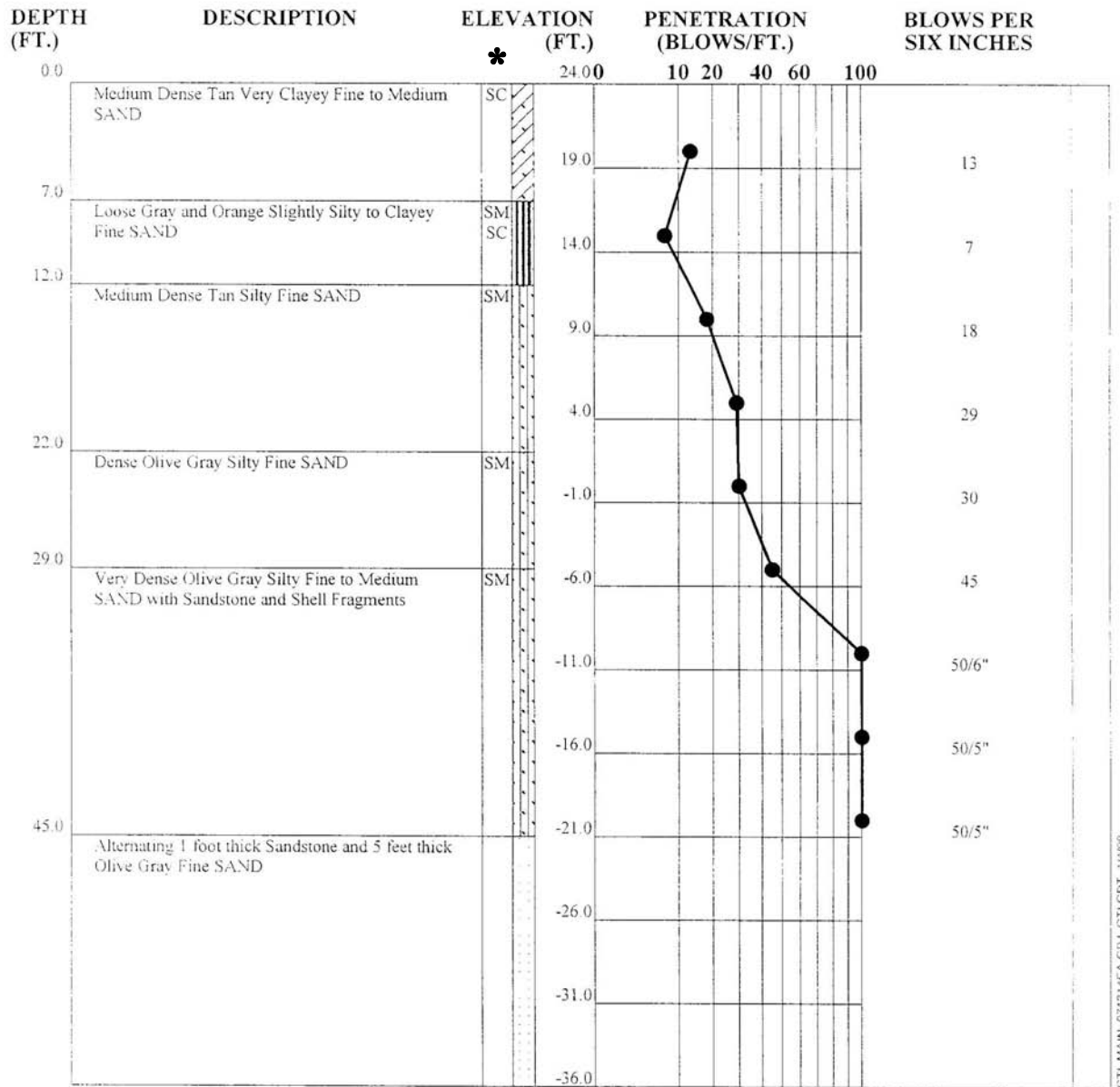


G11.MAN 071314EA.GPJ G11.GDT 1/4/08

* USCS – Unified Soil Classification System (see Appendix H).

JOB NUMBER 1-07-1314-EA
 BORING NUMBER LF-1
 DATE 7-24-80

TEST BORING RECORD



* USCS – Unified Soil Classification System (see Appendix H).

JOB NUMBER 1-07-1314-EA
 BORING NUMBER LF-4
 DATE 7-29-80

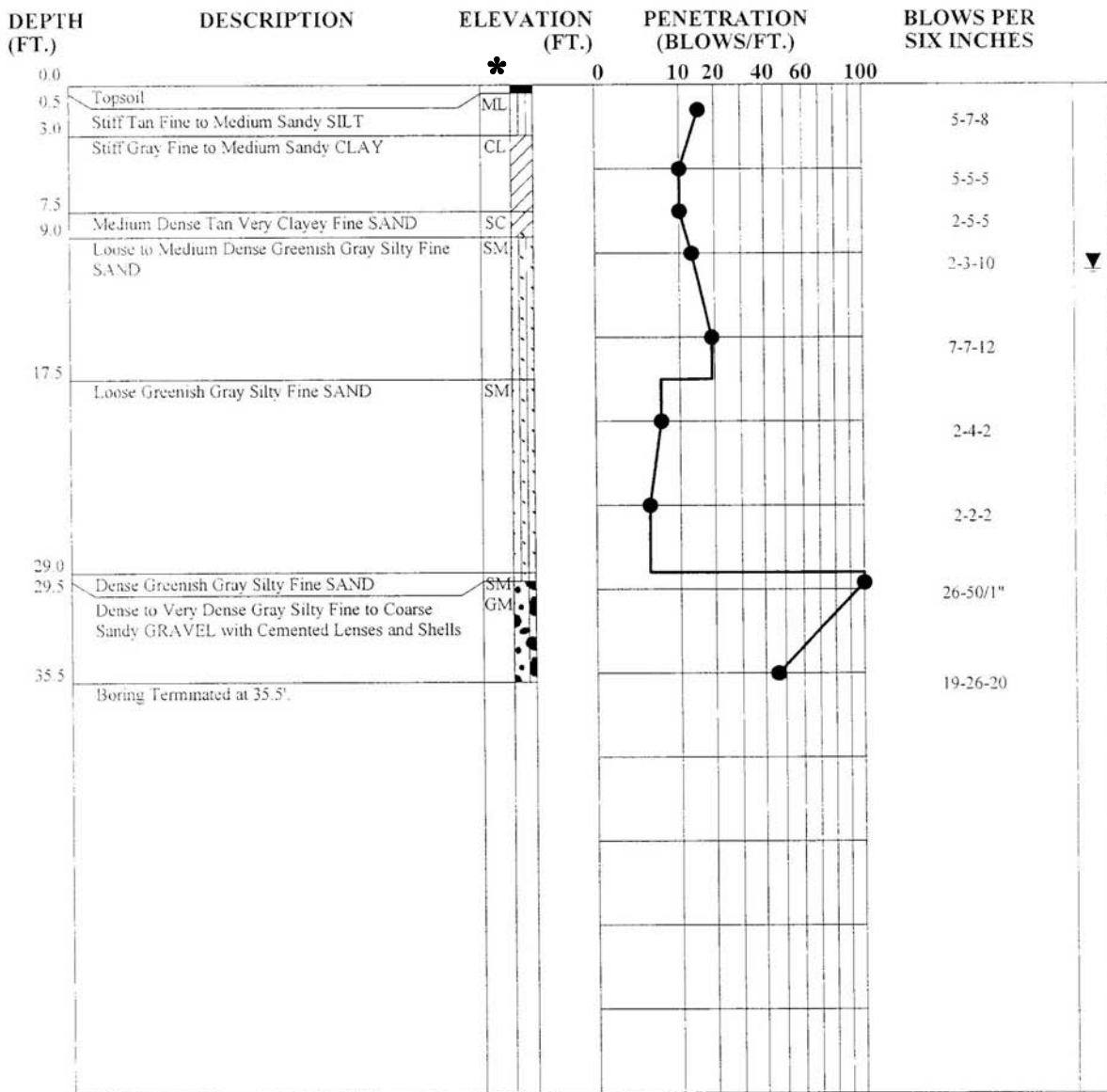
TEST BORING RECORD

DEPTH (FT.)	DESCRIPTION	ELEVATION (FT.)	PENETRATION (BLOWS/FT.)					BLOWS PER SIX INCHES
			0	10	20	40	60	
		-41.0						
		-46.0						
		-51.0						
80.0	Boring Terminated at 80'	-56.0						
		-61.0						
		-66.0						
		-71.0						
		-76.0						
		-81.0						
		-86.0						
		-91.0						
		-96.0						

GTI, MAIN 071314-EA GPE 611 GD1 1/2/08

JOB NUMBER 1-07-1314-EA
 BORING NUMBER LF-4
 DATE 7-29-80

TEST BORING RECORD



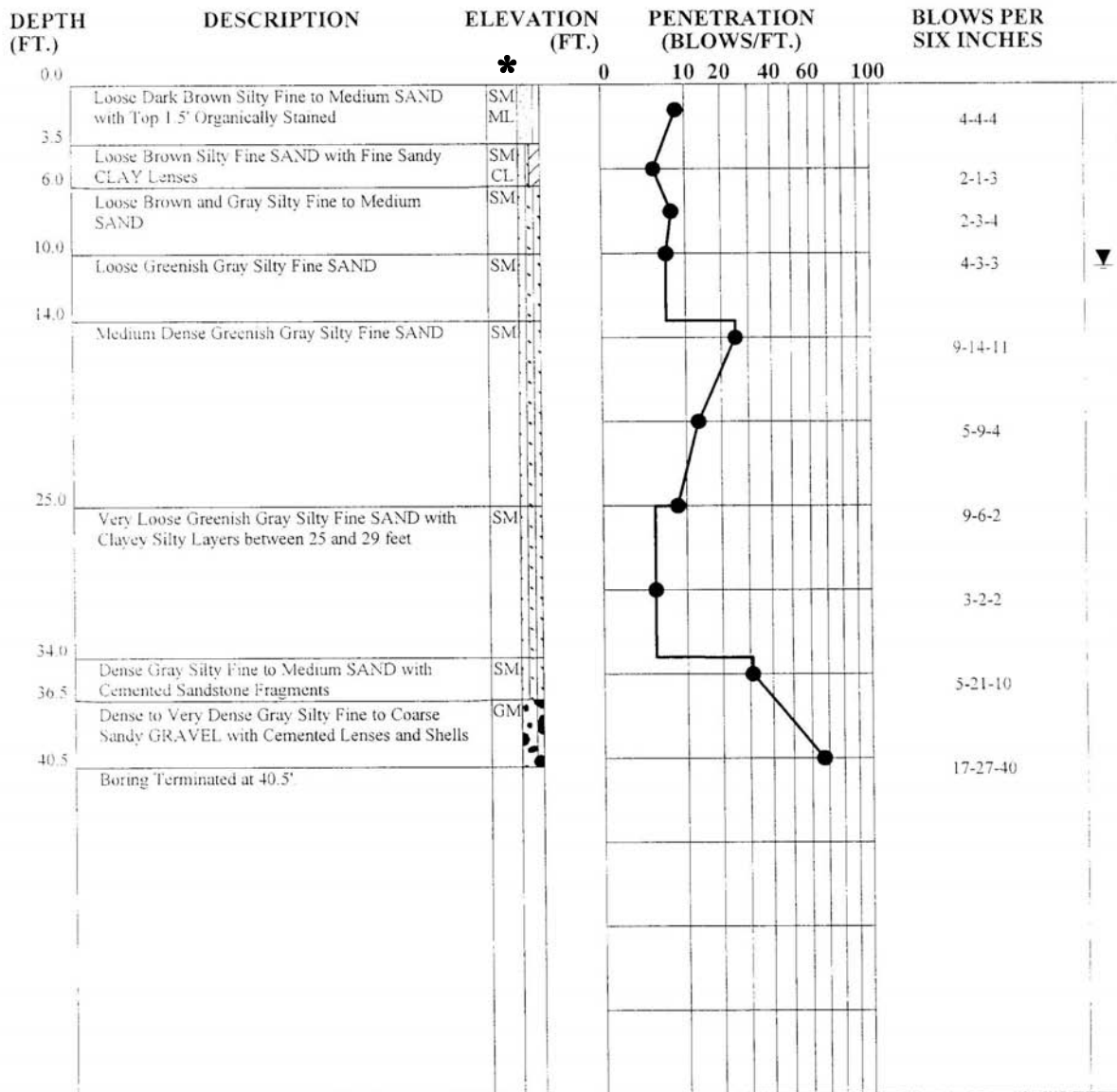
GT_MAIN 071314EA.GPJ GTI.GDT 14/08

Groundwater encountered at 11' and caved at 12' 24 hours after boring.

* USCS – Unified Soil Classification System (see Appendix H).

JOB NUMBER 1-07-1314-EA
 BORING NUMBER G-1
 DATE 12-8-07

TEST BORING RECORD



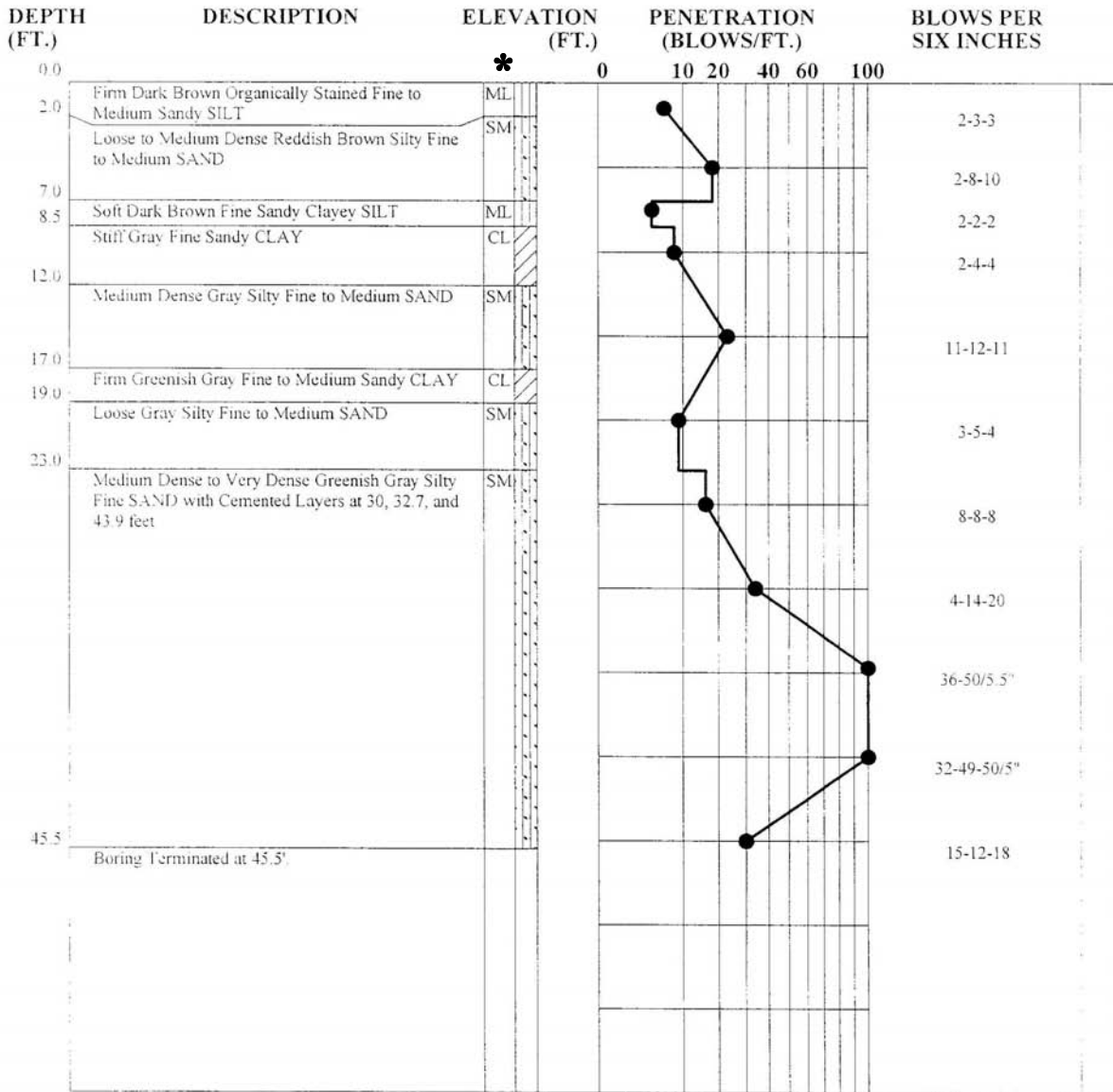
GTL_MAIN 07/13/14-EA.GPJ GTI.GDT 1/10/08

Groundwater encountered at 10.8' and caved at 11.2' 24 hours after boring.

* USCS – Unified Soil Classification System (see Appendix H).

JOB NUMBER 1-07-1314-EA
 BORING NUMBER G-2
 DATE 12-18-07

TEST BORING RECORD

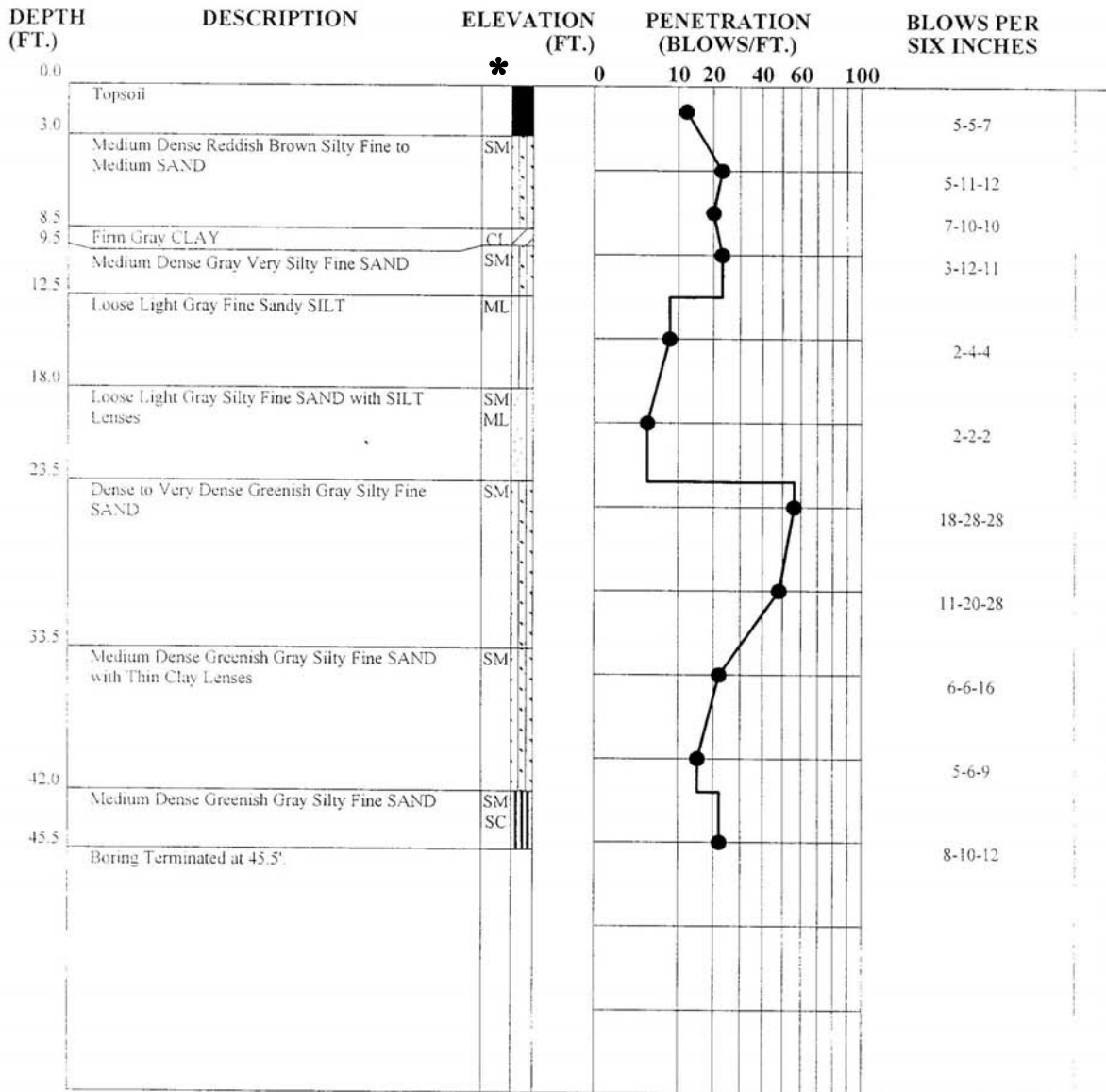


GTL_MAIN 071314EA.GPJ GTL001 1/4/08

* USCS – Unified Soil Classification System (see Appendix H).

JOB NUMBER 1-07-1314-EA
 BORING NUMBER G-4
 DATE 12-19-07

TEST BORING RECORD

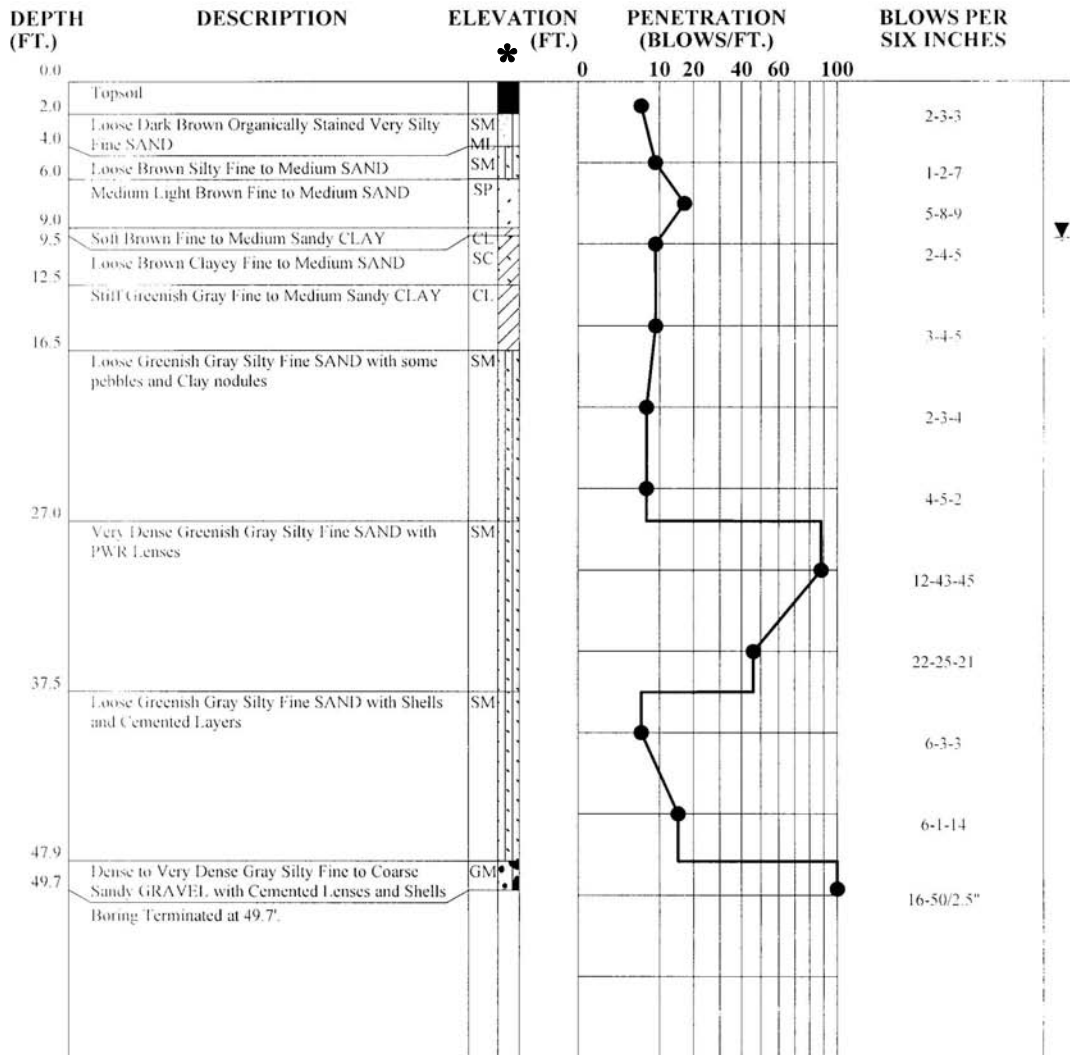


G:\E_MAR_07\1314EA.GPJ GTI\CDX 1/4/08

* USCS – Unified Soil Classification System (see Appendix H).

JOB NUMBER 1-07-1314-EA
 BORING NUMBER G-5
 DATE 12-19-07

TEST BORING RECORD



GTL MAIN 071314EA GPJ GTI GDT 1/4/08

Groundwater encountered at 9.6' and caved at 40' 24 hours after boring.

* USCS – Unified Soil Classification System (see Appendix H).

JOB NUMBER 1-07-1314-EA
 BORING NUMBER G-6
 DATE 12-18-07

Appendix G

Results of the 2007 Preliminary Subsurface Investigation

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Appendix G

Results of the 2007 Preliminary Subsurface Investigation

The following geotechnical considerations, along with the associated exhibits attached to this Appendix, are provided based on the preliminary subsurface investigation conducted in 2007 and are for general planning purposes only. A more detailed subsurface investigation and geotechnical evaluation would be necessary once the design of the Proposed GLE Facility is complete.

G.1 Grading Considerations

Some of the topsoil consists of organically stained soils with less than 5% organic content and would not require removal during clearing of vegetation. Tests would be needed during stripping to segregate topsoil from organically stained soils with less than 5% organic content, which could probably be used for structural fill.

The shallow soils in the Main portion of the GLE Study Area (209 acres [85 hectares (ha)]) that were part of the preliminary 2007 subsurface investigation), excluding topsoil, would probably be suitable for re-use as structural fill, provided compaction moisture can be maintained near optimum during placement. If borrow is required, either from existing on-site borrow pits or from off-site sources, a low-plasticity clay or silt or a silty or clayey sand with Unified Soil Classification of CL, ML, SM, or SC would likely be specified for use as structural fill. Compaction requirements for structural fill would be specified as not less than 95% of the standard Proctor maximum dry density (MDD), except in the final foot beneath pavements and floor slabs, where this requirement would likely be increased to 98% of the MDD.

G.2 Shallow Foundation Considerations

If shallow foundations are selected for construction, bearing conditions would be inspected by a geotechnical engineer to verify that adequate bearing and suitable materials have been encountered. Using the results of the preliminary 2007 subsurface investigation, the Federal Highway Administration (FHA) method, which correlates soil compressibility to soil type and N-value (a measure of standard penetration test penetration resistance), as shown in **Table G-1**, was used to estimate settlements for both the size and pressure resulting from equipment loads. The estimated settlements are summarized in **Table G-2** for typical wall and column footings. The estimated settlements are for equipment loads assuming a slab bearing 12 inches (30 centimeters [cm]) below final grade and assuming soil conditions like those encountered in borings LF-2 and in G-6. The estimated settlements for areas encountered by soils similar to those at boring LF-2 vary from less than 0.1 to 0.9 inches (0.25 to 2.3 cm) in what could be one of the most heavily loaded areas based on preliminary design layouts. Alternatively assuming the soil conditions encountered at boring G-6 results in almost double the estimated settlements.

The results of the soil test borings (**Table G-3**) and soil laboratory tests (**Table G-4**) are part of the preliminary subsurface investigation conducted in the GLE Study Area in 2007. Grain size distribution results for six soil test borings drilled in 2007 are provided in **Figures G-1 through G-3**. These data, along with the results of seismic refraction profiling (**Table G-5** and **Figures 3.3-28, 3.3-29, and G-4 through G-7**), support the geotechnical considerations described in this Appendix.

Figure G-8 portrays estimated settlements for 2-foot (ft; 0.61-meter [m]) wide wall footings embedded 1.5 ft (0.45 m) for frost protection plotted versus wall load in kips per ft for both borings LF-2 and G-6. **Figure G-9** portrays the estimated settlements for column footings embedded 1.5 ft (0.45 m) and sized for a bearing pressure of 3,000 per square foot (psf; 14,650 kilograms per square meter [kg/m²]). The maximum settlements are less than 1 inch (2.5 cm) for wall loads less than 6 kips per linear ft (87,500

Newtons per m) and for column loads less than 125 kips (556×10^3 Newtons). The differential settlements are generally one half of the maximum settlements. The FHA estimation method is generally considered to be conservative, and a more accurate estimation of settlement would likely be provided, specifically if shallow foundations are selected, by performing field dilatometer testing during detailed evaluation for formation support. Should foundations need to be extended to provide adequate bearing, over-excavated footings would likely be designed to be backfilled to design bearing elevation utilizing uniformly graded #57 or #67 washed stone.

G.3 Deep Foundation Considerations

If the estimated maximum settlements with shallow foundation support are considered excessive, then deep foundation support would likely be used. To assist with preliminary planning, **Figure G-10** was prepared to portray estimated ultimate and skin friction capacity for a 16-inch (41-cm) diameter auger cast pile based upon both borings LF-2 and G-6. A pile installed with tip depth between 25 and 35 ft (8 and 11 m) below ground surface (bgs) would have a design capacity greater than 50 tons (45 metric tons [mt]) with design friction capacity greater than 10 tons (9 mt).

Piles in groups would likely be spaced center to center at 2.5 times the pile diameter or greater. The overall compressive capacity of pile groups with piles spaced at 3 times the pile diameter or greater would equal the individual pile capacity times the number of piles in the group. Since the silty sands encountered in the borings in the GLE Study Area would respond as cohesionless soils, pile groups with piles spaced closer than 3 times the pile diameter would be greater than or equal to the sum of individual pile capacities. The settlements of the pile groups would likely be greater than the settlement of an individual pile.

G.4 Seismic Design Response Spectrum

Table G-6 was prepared based on seismic line field measurements (see **Section 3.3.5.3.1.1** of this Report, *Seismic Refraction Profiling*, and **Figure 3.3-25**) to determine the seismic site classification, assuming that the shear wave velocity (V_s) is equal to the compression wave velocity divided by 2. The average V_s across soil profiles for each of the four seismic lines, calculated by equation 16-44 in the 2006 North Carolina Building Code (NCBC; ICC et al., 2006), varies from approximately 2,000 fps (610 meters per second [m/s]) in Seismic Line 3 to 3,600 fps (1,100 m/s) in Seismic Line 1. According to the 2006 NCBC (ICC et al., 2006), since the average V_s is greater than 1,200 fps (366 m/s), the Site falls under Site Class C for calculation of earthquake loads. **Figure G-11** shows the design response spectrum with 5% structural damping for Site Class C with $S_{ds} = 0.231 g$ and $S_{d1} = 0.109 g$, where S_{ds} stands for short period design spectral response acceleration, S_{d1} is the one-second design spectral response acceleration, and units are given as earth gravity (g). These values were determined from the 2002 U.S. Geological Service (USGS) maps with a 2% in 50 years risk level. The final Site engineering design would take these measurements and site classification into account.

G.5 Liquefaction Potential

A simplified analysis was performed to determine the factor of safety (FS) against initiation of liquefaction for the soil profiles encountered in borings G-6 and LF-2 (see **Figure 3.3-25**), which correspond to the profiles with the highest and lowest potential for liquefaction, respectively, encountered during the Site subsurface investigations. **Tables G-7 and G-8** portray the results of the analyses. The CSR represents the Cyclic Stress Ratio calculated from the peak horizontal ground acceleration of 0.139 g determined from the USGS maps included with the 2006 NCBC (ICC et al., 2006) and the depth bgs; the CRR represents the Cyclic Resistance Ratio calculated from the measured blow count and the measured percent of fines passing the #200 sieve. The FS against initiation of liquefaction equals the CRR divided by the CSR. **Table G-7** indicates that the sands at depths of 25 and 40 ft (8 and 12 m) bgs in boring G-6 have FS values equal to 1.2 and 1, whereas **Table G-8** indicates the lowest FS against initiation of

liquefaction in LF-2 equals 1.5. Typically, a FS less than 1 indicates a higher liquefaction potential, and increasing FS values above 1 show decreasing liquefaction potential. Therefore, the profile at G-6 has a marginal risk of localized zones liquefying during the design earthquake, which has a return period of 2,500 years, whereas the profile at LF-2 should not experience any liquefaction. Generally favorable engineering conditions were encountered across the GLE Study Area with only one localized zone with liquefaction potential that could be mitigated, as discussed at the end of **Section G.6**.

This simplified liquefaction analysis provides a screen for sites requiring more detailed analyses once the design of the Proposed GLE Facility is finalized. Because the GLE Study Area is designated as a seismic Site Class C (a classification designating a lower liquefaction potential), and since the Site sands have an average percent fines of 30% (increasing the resistance to any liquefaction forces), they have a low overall potential for soil liquefaction (ICC et al., 2006). Potential impact on the Proposed Action from soil liquefaction is SMALL.

G.6 Additional Geotechnical Considerations

The following geotechnical considerations of impacts are made based upon an assessment of the currently available field and laboratory data, an understanding of the current general draft of the proposed construction activities, and past experience with similar projects and subsurface conditions. When plans regarding actual grading and structure locations and loads are finalized, the following preliminary considerations would need to be confirmed, extended, or modified, as necessary. Additionally, if subsurface conditions different than those indicated in this Report are encountered, a geotechnical engineer would need to assess the significance of those conditions from a geotechnical engineering perspective. The practices and measures used to control potential impacts during construction and operation include the following:

- If deep foundations are selected, then once the geometry and structural loads for planned pile groups are available, settlement estimates can be provided based upon the results of load tests performed on individual piles. The uplift capacity for pile groups would likely be reduced from the sum of individual pile uplift capacities, and the uplift capacities for planned pile groups could be estimated once the pile group geometries are available.
- The North Carolina Building Code (NCBC) (ICC et al., 2006) requires load tests to verify capacity for piles with design capacity greater than 40 tons (36 mt). Test piles could be installed in areas where it is anticipated that high-capacity piles would be installed. At least two piles would likely be selected for compression-load testing and two piles for tension-load testing. The compression-pile load tests would be performed in accordance with the American Society for Testing and Materials (ASTM) D-1143 (ASTM, 2007a) and the tension-load tests in accordance with ASTM D-3689 (ASTM, 2007b) using the quick-load test method for both test types.
- The test piles would be instrumented with either strain gauges or telltales so that the load distribution along the shaft could be assessed. Both the compression and tension test piles could be loaded to failure. A grout sample could be taken during installation of the test piles and tested for its 7-day compressive strength before the start of the load tests. The installation of the reaction and test piles should be observed and documented while obtaining samples of the grout. An engineer would likely assist the contractor in performing the load tests and provide a report interpreting test results.
- A more detailed evaluation would be needed during the final subsurface investigation to measure the shear wave velocity profile and to make more detailed measurements versus depth to more accurately estimate the CSR and CRR for the profile at the final structure location. Seismic cone penetration tests would likely be performed at the proposed structure locations and cross-hole

seismic testing to obtain these measurements and further design against the low risk and potential of liquefaction.

- Control of the low liquefaction potential may be completed through the use of deep foundations (discussed above) or through engineering methods such as earthquake drains. These structures are injected into the area of potential liquefaction in the subsurface and prevent the build up of pore-water pressure within the zone, which could cause liquefaction during an earthquake event. Other similar engineering methods may be investigated based on the final subsurface investigation and final Site design.

Tables

Table G-1. Correlations of Soil Compressibility to Soil Type and N-Value

Clays and Silts (Cohesive Soils)	
SPT N-Value, bpf	Consistency
0 - 2	Very Soft
2 - 4	Soft
4 - 8	Firm
8 - 16	Stiff
16 - 32	Very Stiff
32 - 50	Hard
> 50	Very Hard
Sands (Cohesionless or Granular Soils)	
SPT N-Value, bpf	Relative Density
0 - 4	Very Loose
4 - 10	Loose
10 - 30	Medium Dense
30 - 50	Dense
>50	Very Dense

Reference: AASHTO, 1988.

Table G-2. Preliminary Equipment Structural Loads and Estimated Settlements

Area ^a	Preliminary Draft Footprint ^a		Diameter ^a (ft)	Weight ^a (tons)	Pressure ^a (ksf)	Estimated Settlement ^b	
	Length (ft)	Width (ft)				LF-2 (inches)	G-6 (inches)
B	500	200	-				
	85	15	-	50	0.078	0.08	0.13
G	120	15	-	500	0.333	0.29	0.49
	60	25	-	50	0.067	0.08	0.13
	100	45	-	50	0.022	0.03	0.06
	100	25	-	130	0.104	0.12	0.21
	100	7	-	30	0.086	0.06	0.09
	20	10	-	20	0.200	0.13	0.22
	40	20	-	100	0.250	0.23	0.39
L	20	4	-	3	0.100	0.03	0.05
	7	7	-	3	0.122	0.05	0.07
LS	20	20	-	3	0.015	0.01	0.02
S	-	-	7	150	4.060	0.73	1.22
	-	-	7	200	5.413	0.87	1.43

^a Refers to preliminary equipment layout areas within the different areas of the approximately 600,000 ft² (56,000 m²) building to be located within the Proposed GLE Facility. The table summarizes a range of settlements that could be expected in the vicinity of two different borings (LF-2 and G-6, see **Figure 3.3-25**) and is based on anticipated equipment loads. In addition to these equipment loads, there would be loads resulting from the building itself that are anticipated to be relatively light. The final foundation design would be based upon available subsurface information in the vicinity of the buildings once their locations are established, and this design would reflect the actual loads of buildings, equipment, and any associated structures.

^b Assumes slab embedded 1 foot into soils encountered in indicated boring.

ksf = 1,000 pounds per square foot.

Table G-3. Summary of Borings (1980 and 2007)

Boring	Date	Elevation (ft, msl)	Depth (ft, bgs)	Clay Layer (ft, bgs)	Top Peedee - Visual (ft, bgs)	6,000 fps (ft, bgs)	First N>30 (ft, bgs)	GW @ 24 Hrs (ft, bgs)	Caved (ft, bgs)	Water Losses (ft, bgs)	Comments
LF-1	7/24/80	25.0	57.5	-	13.0	21.0	25.0				
LF-2	7/25/80	24.5	50.0	-	11.5	11.0	20.0				
LF-3	7/26/80	22.0	50.0	-	8.5	30.0	10.0				
LF-4	7/29/80	24.0	56.0	-	22.0	-	25.0				
G-1	12/18/07		35.5	3-7.5	9.0	37.0	29.0	11.0	12.0		
G-2	12/18/07		40.5	-	10.0	-	34.0	10.8	11.2		
G-3	12/17/07		56.5	7.5-8	17.5	-	17.5	-	13.0	56.5	Total Water Loss
G-4	12/19/07		45.5	8.5-12	12.0	30.0	30.0				
G-5	12/19/07		45.5	8.5-9.5	23.5	22.0	23.5				
G-6	12/18/07		49.7	9-9.5 12.5-16.5	12.5	11.0	27.0	9.6	40.0	37.5	

ft, msl = approximate elevation in feet referenced to mean sea level

ft, bgs = feet below ground surface

fps = feet per second

First N>30 = first penetration resistance (N-value) greater than 30 blows per foot (bpf)

GW @ 24 hrs = stabilized depth to groundwater level measured in open soil test boring after 24 hours

Caved = depth at which borehole was measured to have caved (ft, bgs)

Water Losses = observed loss of drilling fluid (depth in ft, bgs); often indicates a more permeable zone

Table G-4. Summary of Soil Laboratory Tests

Boring	Sample	USCS	Depth (ft, bgs)	LL	PI	Percent Fines	Percent Org.	w (percent)	Coarse	Medium	Fine
									(percent sand)		
G-1	1	ML	0.5-2	18	3	66		6.5	0	8	26
G-1	6	SM	19-20.5			38		32.8	0	0	61
G-1	7	SM	24-25.5			41		26.7	0	0	59
G-2	1	SM-ML	0.5-2			48	0.6	13.3	1	10	42
G-2	2	CL	4-5.5	34	13	53		28.9	0	3	44
G-2	7	SM	24-25.5			36		31.0	0	0	64
G-2	8	SM	29-30.5			36		33.8	0	0	64
G-3	4	SM	9-10.5			38		9.3	0	2	60
G-3	7	SM	24-25.5			33		25.4	0	0	67
G-4	1	ML	0.5-2			63	1.2	14.5	0	7	30
G-4	3	ML	6.5-8	19	1	59		17.6	0	8	32
G-5	1	ML	0.5-2			55	6.2	14.9	0	8	37
G-5	5	ML	14-15.5			53		17.7	1	8	37
G-5	6	SM-ML	19-20.5	17	1	51		25.9	0	1	49
G-6	1	SM-ML	0.5-2			48	8.9	17.4	0	17	35
G-6	5	CL	14-15.5	26	8	55		19.0	3	20	22
G-6	6	SM	19-20.5			32		27.5	0	1	67
G-6	10	SM	39-40.5			36		33.4	0	0	64

USCS = Unified Soil Classification System (see **Appendix H**)

LL = liquid limit

PI = plasticity index

Percent Fines = percentage of fine material passing the #200 (0.075 mm) sieve

Percent Org. = percentage of organic material measured in soil sample

w = water content

Table G-5. Depths of Velocity Contours from Seismic Refraction Profiling

Boring	Seismic Line	Distance (ft)	Offset (ft)	Figure Reference ^a				Figure Reference ^b	
				Velocity 2,500 (ft/sec) and ft, bls	Velocity 6,000 (ft/sec) and ft, bls	Velocity 8,000 (ft/sec) and ft, bls	Velocity 11,000 (ft/sec) and ft, bls	Velocity 2,500 (ft/sec) and ft, bls	Velocity 11,000 (ft/sec) and ft, bls
G-1	3	1,050	0	10	37	48	55	10	25
G-2	-	-	-	-	-	-	-	-	-
G-3	-	-	-	-	-	-	-	-	-
G-4	2	150	50	19	30	34	>70	23	58
G-5	4	750	50	13	22	28	35	12	33
G-6	1	550	0	5	11	14	17	11	17
LF-1	1	0	0	0	21	23	25	10	27
LF-2	1	1,150	0	6	11	13	16	11	17
LF-3	3	225	25	5	30	47	55	5	53
LF-4	-	-	-	-	-	-	-	-	-

^a See Figures G-4 through G-7.

^b See Figures 3.3-28 and 3.3-29.

Velocity = compressional wave seismic velocity

Table G-6. Seismic Site Classification

Vs/Vp = 2

Line 1 (G-6)

Depth		Vp, fps		Vs, fps			d/vs
Top	Bottom	Min	Max	Min	Max	Average	
0	5	0	2,500	0	1,250	625	0.0080
5	11	2,500	6,000	1,250	3,000	2,125	0.0028
11	14	6,000	8,000	3,000	4,000	3,500	0.0009
14	17	8,000	11,000	4,000	5,500	4,750	0.0006
17	100	11,000	11,000	5,500	5,500	5,500	0.0151

$$\bar{V}_s = \frac{\sum_{i=1}^n d_i}{\sum_{i=1}^n \frac{d_i}{v_{si}}} = 3,649 \text{ fps}$$

Line 2 (G-4)

Depth		Vp, fps		Vs, fps			d/vs
Top	Bottom	Min	Max	Min	Max	Average	
0	19	0	2,500	0	1,250	625	0.0304
19	30	2,500	6,000	1,250	3,000	2,125	0.0052
30	34	6,000	8,000	3,000	4,000	3,500	0.0011
34	75	8,000	11,000	4,000	5,500	4,750	0.0086
75	100	11,000	11,000	5,500	5,500	5,500	0.0045

$$\bar{V}_s = \frac{\sum_{i=1}^n d_i}{\sum_{i=1}^n \frac{d_i}{v_{si}}} = 2,004 \text{ fps}$$

Line 3 (G-1)

Depth		Vp, fps		Vs, fps			d/vs
Top	Bottom	Min	Max	Min	Max	Average	
0	10	0	2,500	0	1,250	625	0.0160
10	37	2,500	6,000	1,250	3,000	2,125	0.0127
37	48	6,000	8,000	3,000	4,000	3,500	0.0031
48	55	8,000	11,000	4,000	5,500	4,750	0.0015
55	100	11,000	11,000	5,500	5,500	5,500	0.0082

$$\bar{V}_s = \frac{\sum_{i=1}^n d_i}{\sum_{i=1}^n \frac{d_i}{v_{si}}} = 2,409 \text{ fps}$$

Line 4 (G-5)

Depth		Vp, fps		Vs, fps			d/vs
Top	Bottom	Min	Max	Min	Max	Average	
0	13	0	2,500	0	1,250	625	0.0208
13	22	2,500	6,000	1,250	3,000	2,125	0.0042
22	28	6,000	8,000	3,000	4,000	3,500	0.0017
28	35	8,000	11,000	4,000	5,500	4,750	0.0015
35	100	11,000	11,000	5,500	5,500	5,500	0.0118

$$\bar{V}_s = \frac{\sum_{i=1}^n d_i}{\sum_{i=1}^n \frac{d_i}{v_{si}}} = 2,497 \text{ fps}$$

Assumes Vp/Vs = 2.

Table G-7. Simplified Liquefaction Analysis at Boring G-6

z ^a	N ^b	USCS ^c	finer ^d	s _{vo} ^e	s _{vo} ^f	rd (3) ^g	CSR (1) ^h	(N ₁) ₆₀ ⁽⁹⁾	a (6) ^j	b (7) ^j	(N ₁) _{60cs} (5) ^k	CRR _{7.5} (4) ^l	MSF (24) ^m	FS (23) ⁿ
1.5	6	SM	48	172.5	172.5	0.998	0.090	20.4	5.00	1.20	29.5	0.44	1.07	5.19
5	9	SM	40	575	575	0.990	0.089	16.8	5.00	1.20	25.1	0.29	1.07	3.53
7.5	17	SP	10	862.5	862.5	0.985	0.089	25.9	0.87	1.02	27.3	0.35	1.07	4.18
10	9	SC	30	1150	1150	0.979	0.088	11.9	4.71	1.15	18.4	0.20	1.07	2.38
15	9	CL	55	1725	1413	0.969	0.107	10.7	5.00	1.20	17.8	0.19	1.07	1.91
20	7	SM	32	2300	1676	0.957	0.119	7.6	4.83	1.17	13.8	0.15	1.07	1.34
25	7	SM	30	2875	1939	0.942	0.126	7.1	4.71	1.15	12.9	0.14	1.07	1.19
30	87	SM	30	3450	2202	0.921	0.130	82.9	4.71	1.15	100.4	No Liq	1.07	No Liq
35	46	SM	30	4025	2465	0.891	0.131	41.4	4.71	1.15	52.5	No Liq	1.07	No Liq
40	6	SM	36	4600	2728	0.851	0.130	5.1	5.00	1.20	11.2	0.12	1.07	1.02
45	15	SM	30	5175	2991	0.804	0.126	12.3	4.71	1.15	18.9	0.20	1.07	1.72

Boring # G-6

g, pcf = 115

WT, ft = 10

PHGA = 0.139

Mag = 7.3

No Liq = No liquefaction

^az: Depth to measured N-value.^bN: Measured N-value in blows per foot (bpf).^cUSCS: Unified Soil Classification System symbol.^dFines: Percent of sample passing #200 sieve (0.075 mm).^es_{vo}: Total vertical stress at indicated depth.^fs_{vo}^{*}: Effective vertical stress at indicated depth.^gRd: Factor used for calculating cyclic stress ratio (CSR) resulting from maximum acceleration at ground surface (PHGA).^hCSR: Applied cyclic stress ratio at specified depth resulting from design earthquake.ⁱ(N₁)₆₀: N-value corrected for effective vertical stress and SPT hammer energy.^ja, b: Constants used to correct cyclic resistance ratio (CRR) for fines content.^k(N₁)_{60cs}: N-value adjusted for actual fines content.^lCRR_{7.5}: Cyclic resistance ratio for magnitude 7.5 earthquake.^mMSF: Magnitude scaling factor to convert CRR to design earthquake magnitude.ⁿFS: Factor of safety against initiation of liquefaction = CRR/CSR.

g, pcf: Unit weight of soil in pounds per cubic foot (pcf).

WT, ft: Depth to water table in feet.

PHGA: Peak horizontal ground acceleration in units of g (32.2 feet per square second).

Mag: Design earthquake magnitude.

No Liq: No liquefaction can occur at indicated depth.

Table G-8. Simplified Liquefaction Analysis at Boring LF-2

z ^a	N ^b	USCS ^c	finest ^d	s _{vo} ^e	s _{vo} ^f	rd (3) ^g	CSR (1) ^h	(N ₁) ₆₀ ⁱ	a (6) ^j	b (7) ^j	(N ₁) _{60cs} ^k	CRR _{7.5} ^l (4) ^l	MSF (24) ^m	FS (23) ⁿ
5	51	SM	30	575	575	0.990	0.089	95.1	4.71	1.15	114.5	No Liq	1.07	No Liq
10	26	SC	30	1150	1150	0.979	0.088	34.3	4.71	1.15	44.3	No Liq	1.07	No Liq
15	7	SM	30	1725	1413	0.969	0.107	8.3	4.71	1.15	14.3	0.15	1.07	1.54
20	28	SM	30	2300	1676	0.957	0.119	30.6	4.71	1.15	40.0	No Liq	1.07	No Liq
25	46	SM	30	2875	1939	0.942	0.126	46.7	4.71	1.15	58.6	No Liq	1.07	No Liq
30	80	SM	30	3450	2202	0.921	0.130	76.2	4.71	1.15	92.7	No Liq	1.07	No Liq
35	65	SM	30	4025	2465	0.891	0.131	58.5	4.71	1.15	72.3	No Liq	1.07	No Liq
40	100	SM	30	4600	2728	0.851	0.130	85.6	4.71	1.15	103.5	No Liq	1.07	No Liq
45	100	SM	30	5175	2991	0.804	0.126	81.8	4.71	1.15	99.1	No Liq	1.07	No Liq
50	100	SM	30	5750	3254	0.753	0.120	78.4	4.71	1.15	95.2	No Liq	1.07	No Liq

Boring # LF-2

g, pcf = 115

WT, ft = 10

PHGA = 0.139

Mag = 7.3

No Liq = No liquefaction

g, pcf: Unit weight of soil in pounds per cubic foot (pcf).

WT, ft: Depth to water table in feet.

PHGA: Peak horizontal ground acceleration in units of g (32.2 feet per square second).

Mag: Design earthquake magnitude.

No Liq: No liquefaction can occur at indicated depth.

^az: Depth to measured N-value.^bN: Measured N-value in blows per foot (bpf).^cUSCS: Unified Soil Classification System symbol.^dFines: Percent of sample passing #200 sieve (0.075 mm).^es_{vo}: Total vertical stress at indicated depth.^fs_{vo}: Effective vertical stress at indicated depth.^gRd: Factor used for calculating cyclic stress ratio (CSR) resulting from maximum acceleration at ground surface (PHGA).^hCSR: Applied cyclic stress ratio at specified depth resulting from design earthquake.ⁱ(N₁)₆₀: N-value corrected for effective vertical stress and SPT hammer energy.^ja, b: Constants used to correct cyclic resistance ratio (CRR) for fines content.^k(N₁)_{60cs}: N-value adjusted for actual fines content.^lCRR_{7.5}: Cyclic resistance ratio for magnitude 7.5 earthquake.^mMSF: Magnitude scaling factor to convert CRR to design earthquake magnitude.ⁿFS: Factor of safety against initiation of liquefaction = CRR/CSR.

Figures

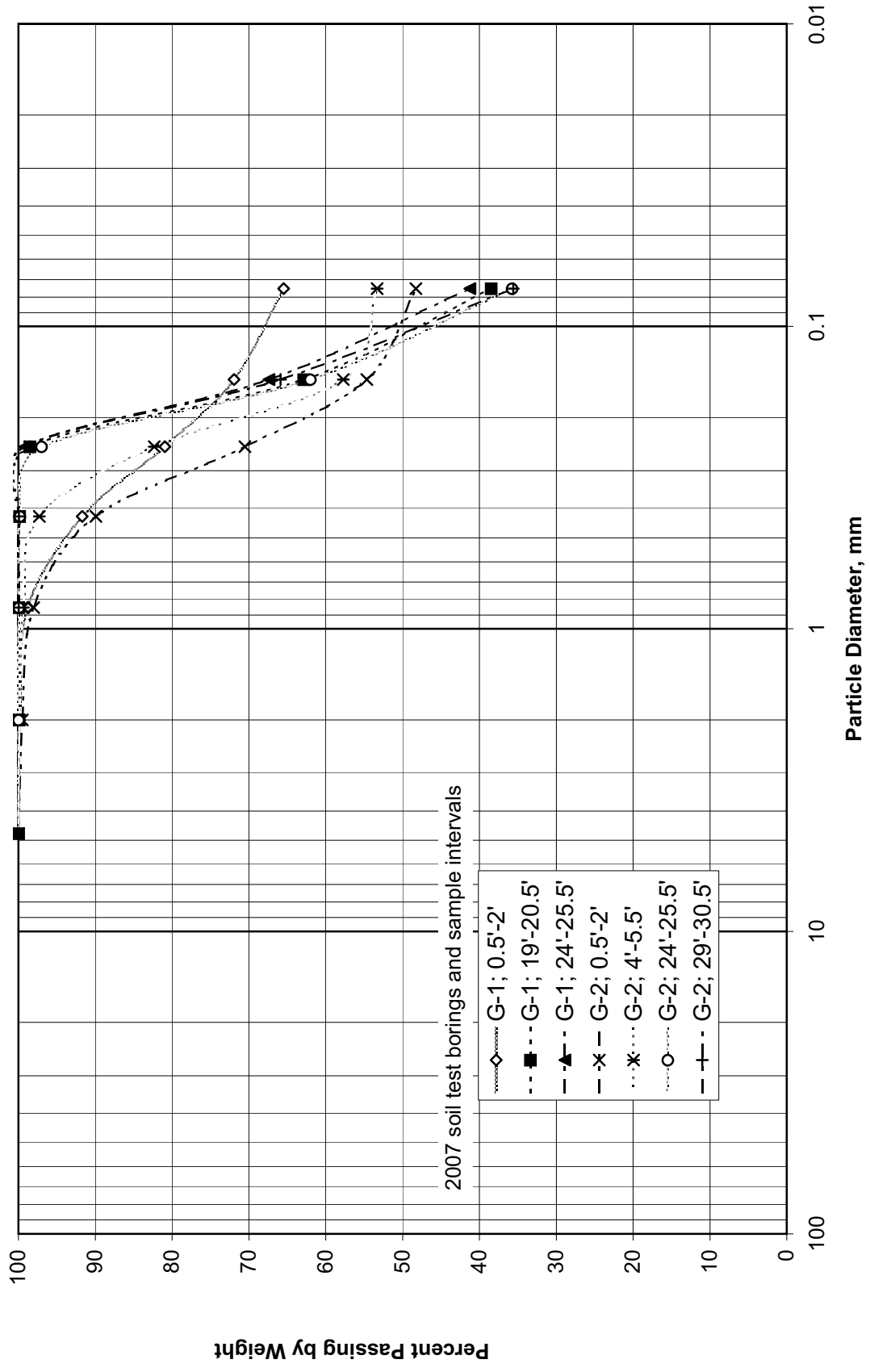


Figure G-1. Grain size distributions (Borings G-1 and G-2).

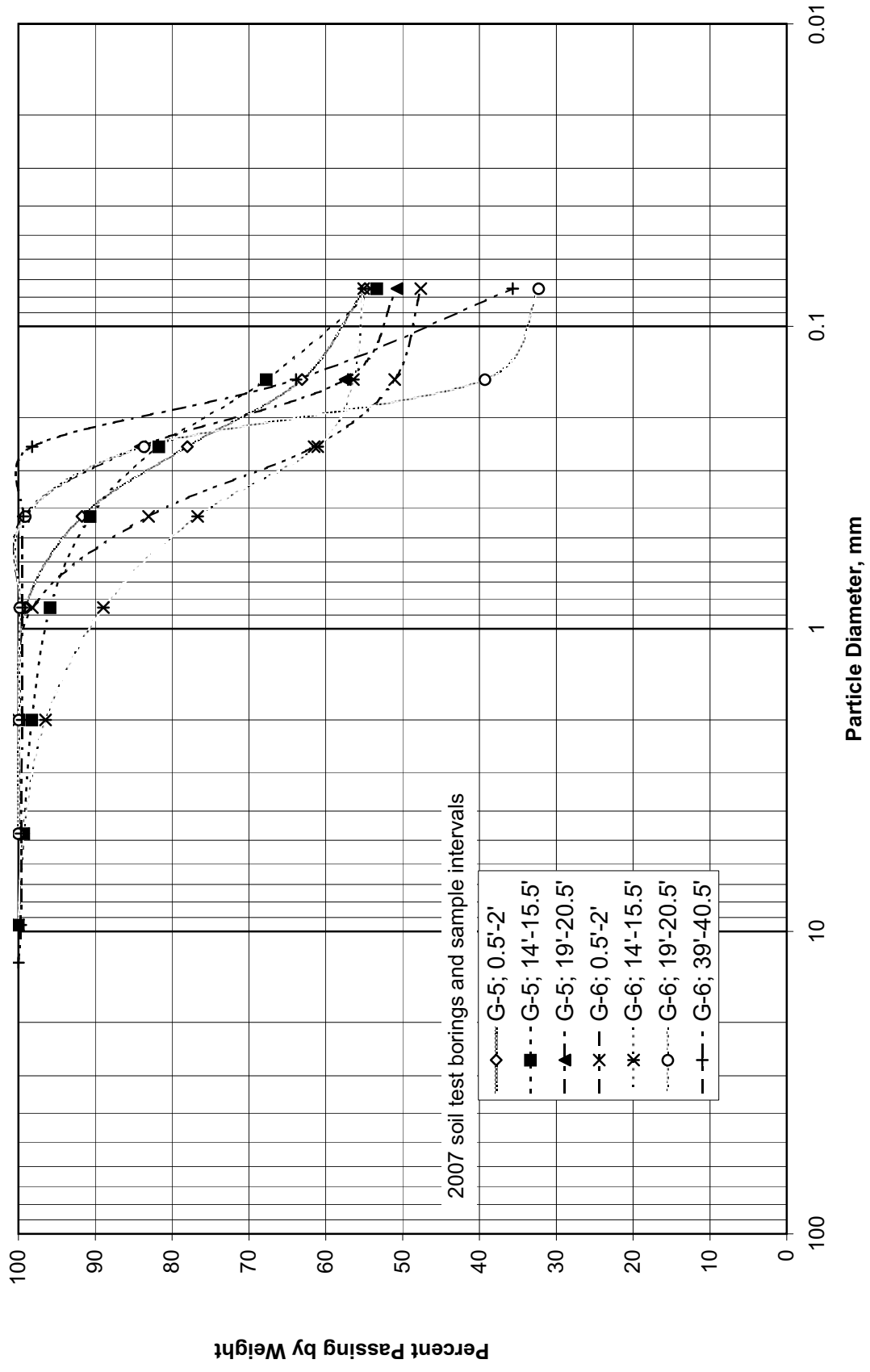


Figure G-3. Grain size distributions (Borings G-5 and G-6).

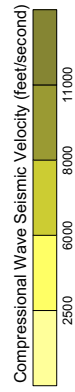
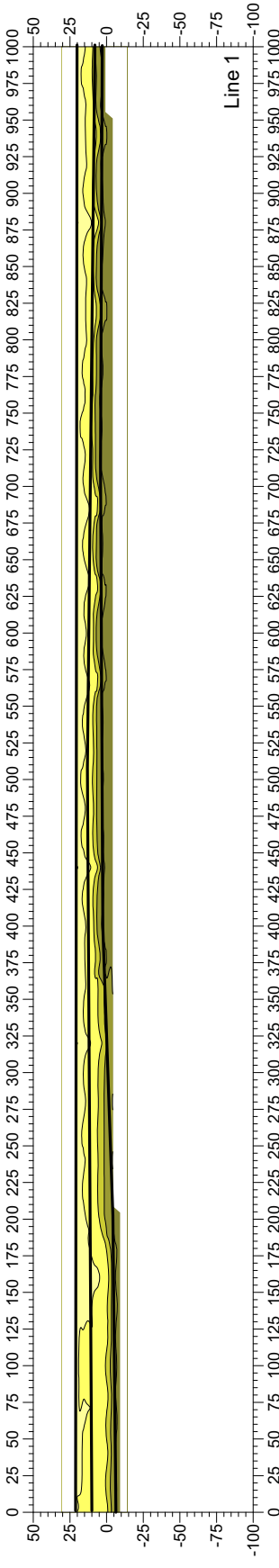


Figure G-4. Velocity modeling output (Seismic Line 1).

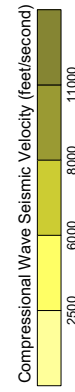
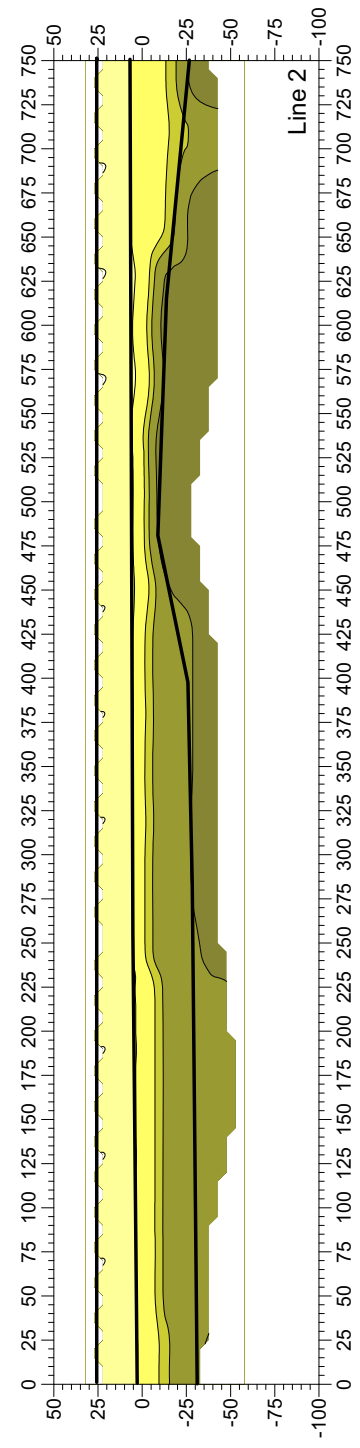


Figure G-5. Velocity modeling output (Seismic Line 2).

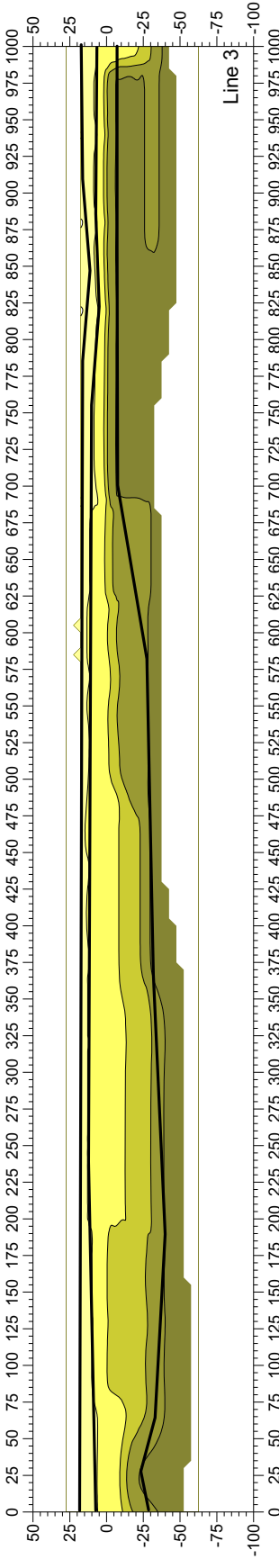


Figure G-6. Velocity modeling output (Seismic Line 3).

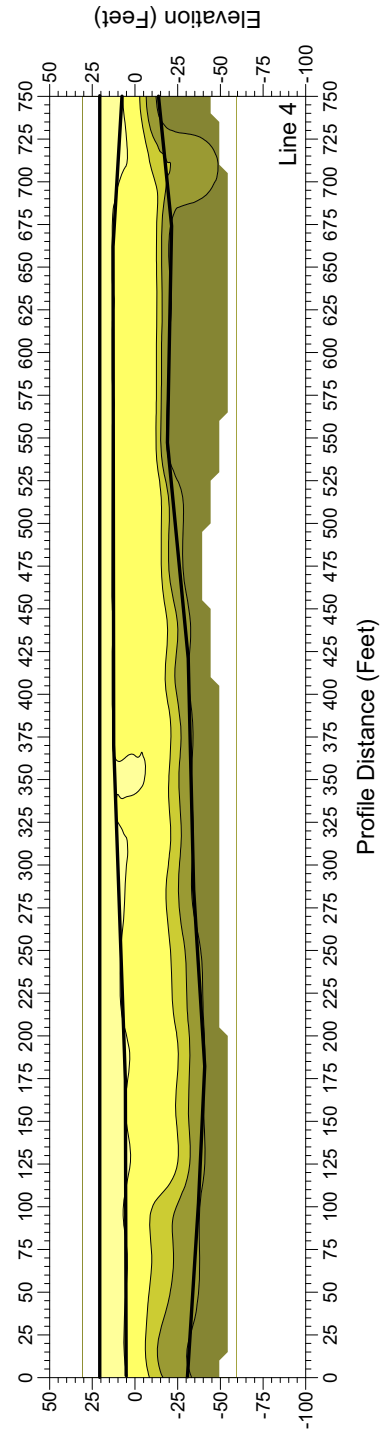
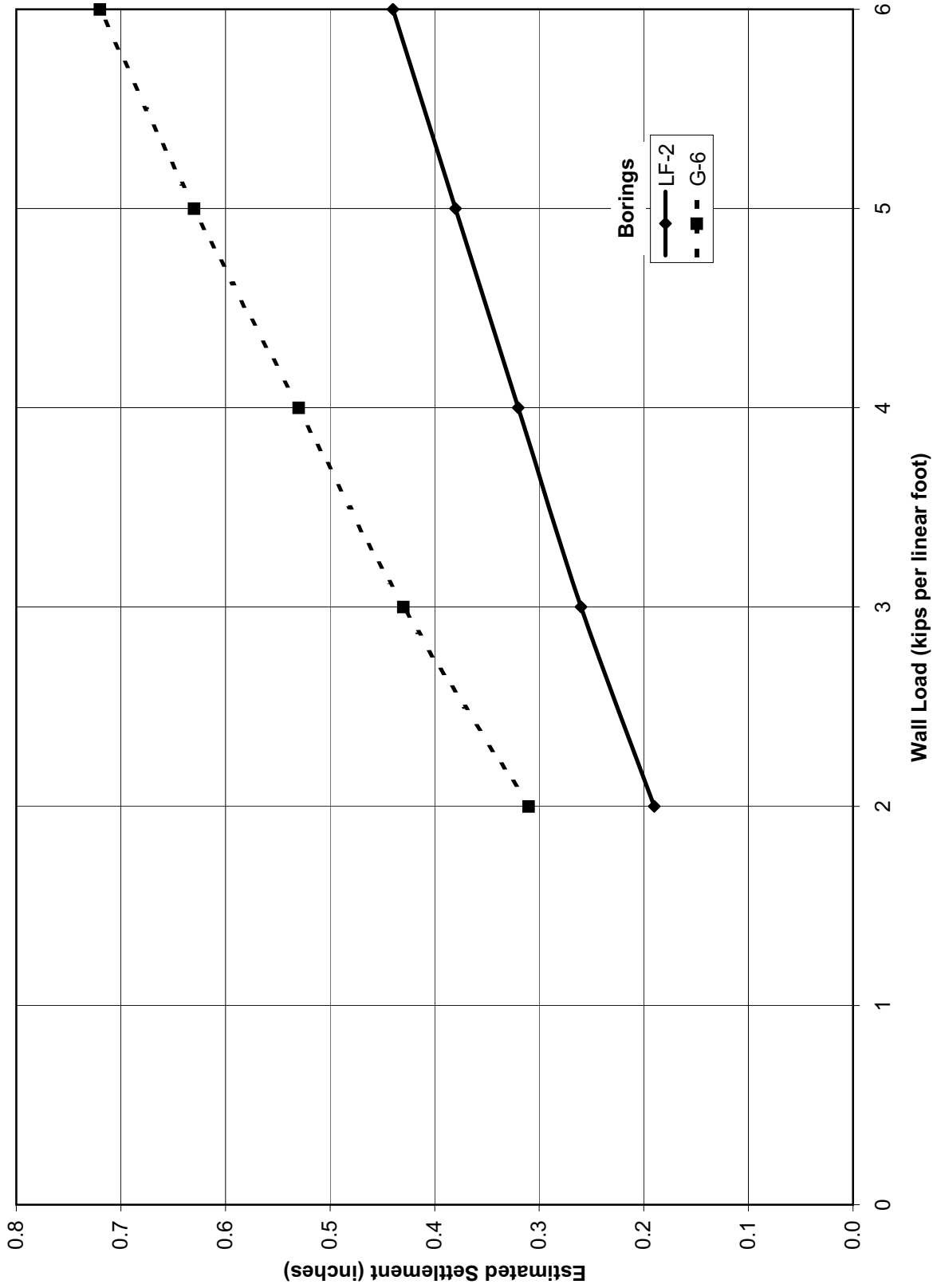
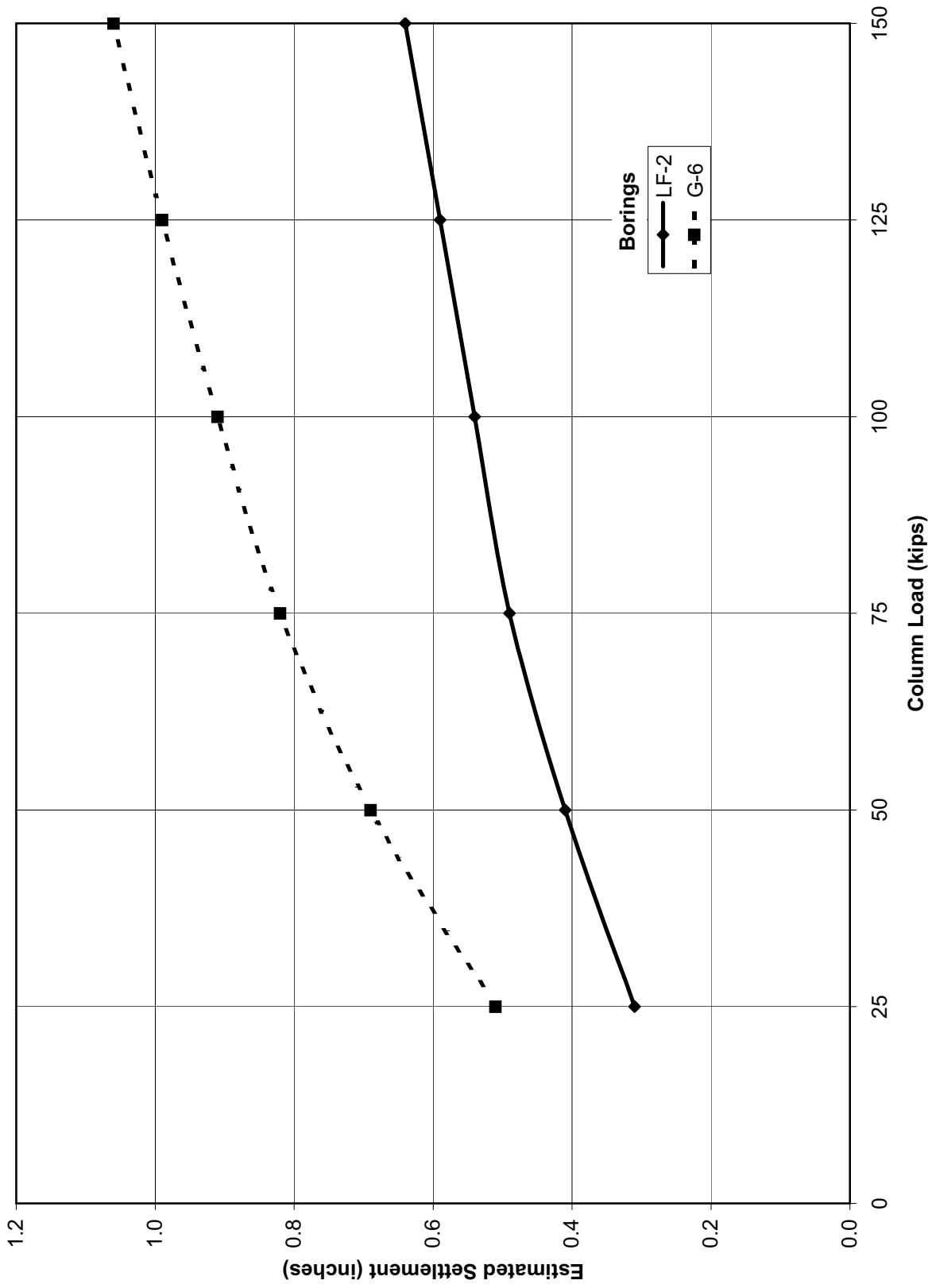


Figure G-7. Velocity modeling output (Seismic Line 4).



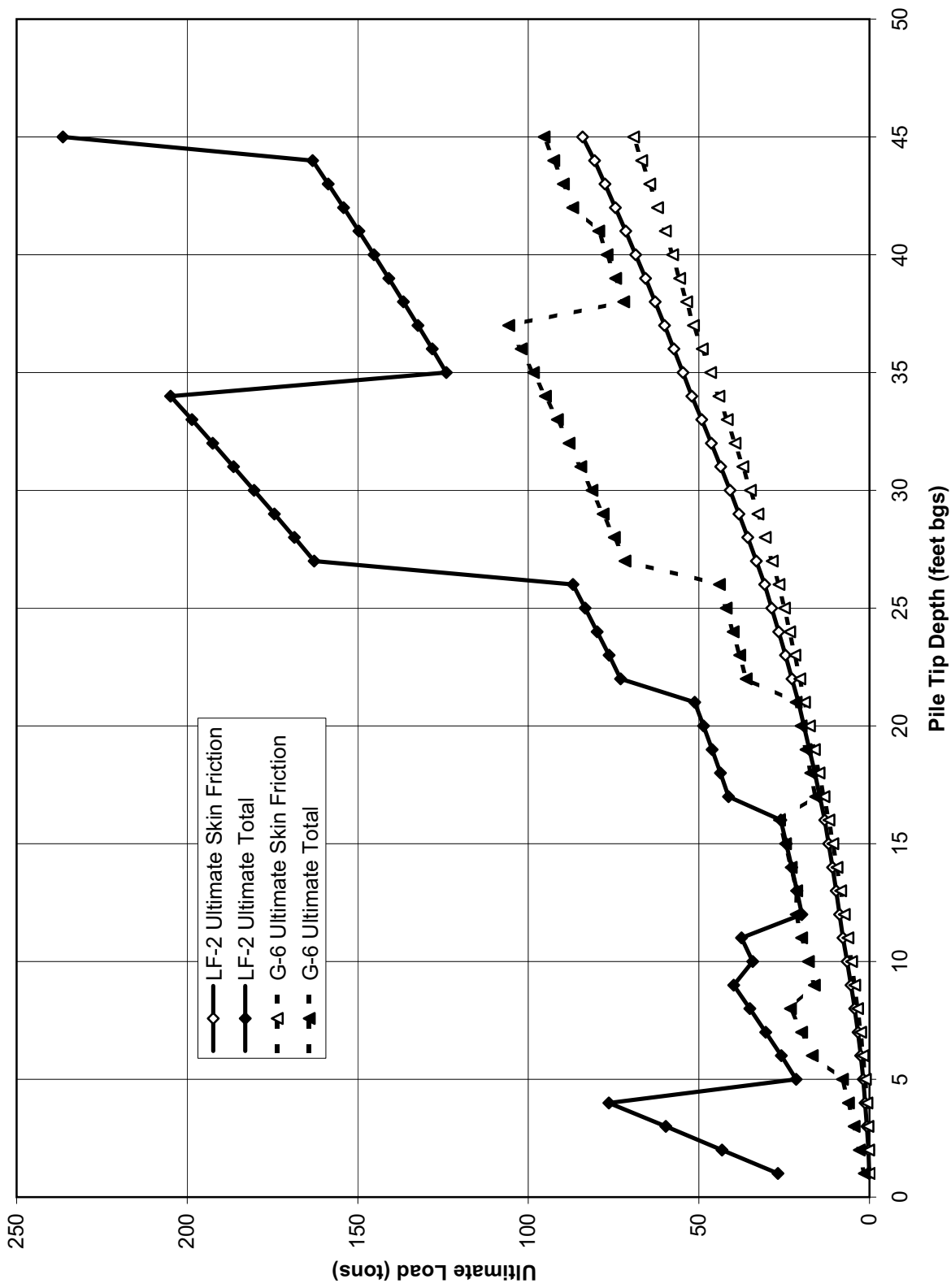
Assumes 2-foot wide footing embedded 1.5 feet into soils encountered in indicated boring.

Figure G-8. Estimated settlement of wall footings.



Assumes footing sized for bearing pressure of 3,000 psf and embedded 1.5 feet into soils encountered in indicated boring.

Figure G-9. Estimated settlement of column footings.



Divide ultimate capacity by factor of safety to determine design capacity.

Figure G-10. Estimated capacity of 16-inch diameter auger cast piles.

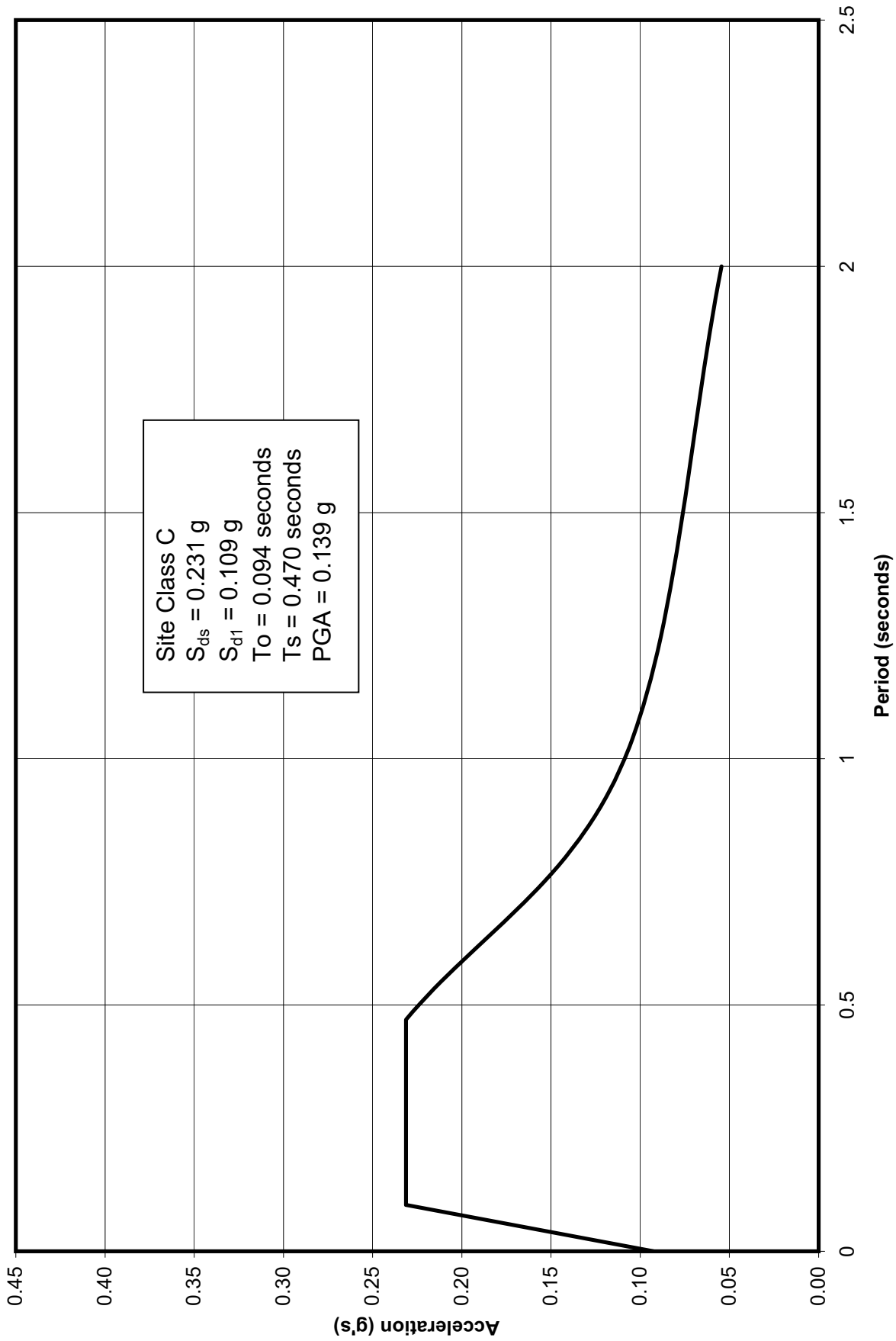


Figure G-11. Site Class C response spectrum.

Appendix H

Summary of Unified Soil Classification System

Summary of Unified Soil Classification System¹

The Unified Soil Classification System (USCS) is a soil-classification system used in engineering and geology disciplines to describe the texture and grain size of a soil. The classification system can be applied to most unconsolidated materials and is represented by a two-letter symbol. Each letter is described below.

First and/or Second Letters

Letter	Definition
G	gravel
S	sand
M	silt
C	clay
O	organic

Second Letter

Letter	Definition
P	poorly graded (uniform particle sizes)
W	well graded (diversified particle sizes)
H	high plasticity
L	low plasticity

Symbol Chart

Major Divisions			Group Symbol	Group Name
Coarse-grained soils more than 50% retained on No.200 (0.075 mm) sieve	gravel >50% of coarse fraction retained on No.4 (4.75 mm) sieve	clean gravel	GW	well graded gravel, fine to coarse gravel
		gravel with >12% fines	GP	poorly graded gravel
		clean sand	GM	silty gravel
			GC	clayey gravel
	sand ≥50% of coarse fraction passes No.4 sieve	clean sand	SW	well graded sand, fine to coarse sand
			SP	poorly-graded sand
		sand with >12% fines	SM	silty sand
			SC	clayey sand
Fine-grained soils more than 50% passes No. 200 sieve	silt and clay liquid limit <50	inorganic	ML	silt
			CL	clay
		organic	OL	organic silt, organic clay
	silt and clay liquid limit ≥50	inorganic	MH	silt of high plasticity, elastic silt
			CH	clay of high plasticity, fat clay
		organic	OH	organic clay, organic silt
Highly organic soils		Pt	peat	

¹ Reference: ASTM, 1985.

Appendix I

Historical Earthquakes Ranked by Distance from the Wilmington Site

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1871	4	16	34.3	-78			3.5	I	5.68	3.53	M
1884	1	18	34.3	-78			3.5	I	5.68	3.53	M
1884	1	18	34.3	-78			3.5	I	5.68	3.53	M
1958	3	5	34.2	-77.8			3.5	I	19.97	12.41	M
1968	11	26	34.1	-77.8			3.3	I	29.06	18.06	M
1928	11	22	34	-78					36.98	22.98	
1927	11	23	33.9	-78			3.3	I	48.03	29.85	M
1974	12	9	34.2	-77.2			2.7	I	70.42	43.76	M
1850	3	30	35.4	-78			3.5	I	119.07	73.98	M
1882	10	23	35.1	-77			3.3	I	121.94	75.77	M
1882	1	8	34.6	-76.5			3.3	I	136.28	84.68	M
1994	8	6	35.101	-76.786	0	0.00	3.8	D	136.63	84.90	V
1755	11	0	33.4	-79.3			2.7	I	161.96	100.63	M
1820	9	3	33.4	-79.3			3.3	I	161.96	100.63	M
2004	10	12	34.342	-79.749	2	1.24	2.1	D	165.18	102.64	V
1735	3	8	35.5	-76.8					167.09	103.83	
2006	9	22	34.7	-79.75	5	3.11	3.5	L	169.97	105.62	G
1914	3	7	34.2	-79.8			3.3	I	170.62	106.02	M
1808	12	13	35.8	-78.6			2.7	I	173.83	108.01	M
1898	2	11	35.8	-78.6			2.7	I	173.83	108.01	M
1895	10	7	35.9	-77.5			3.5	I	179.31	111.42	M
2006	9	25	34.746	-79.876	5	3.11	3.7	B	182.38	113.32	G
1980	4	9	34.848	-79.941			2.8	D	191.14	118.77	V
1981	10	3	35.586	-79.431	37.3	23.18	1.1	D	194.21	120.68	V
1959	10	27	34.5	-80.2			4	C	207.26	128.78	M
1994	1	29	33.852	-80.149	2	1.24	2.9	D	209.35	130.08	V
1930	12	26	34.5	-80.3			3.3	I	216.39	134.46	M
1929	1	3	33.9	-80.3			3.3	I	221.56	137.67	M
1986	6	17	34.865	-80.323	0.2	0.12	2.2	D	225.20	139.93	V
1896	2	11	36.3	-78.6			3.3	I	226.85	140.96	M
1983	12	4	35.56	-79.996	20.8	12.92	1.6	D	231.25	143.69	V
1981	3	4	35.81	-79.737	1	0.62	3.3	I	231.36	143.76	M
1936	9	6	35.3	-80.2			2.7	I	231.99	144.15	M
1983	11	15	36.111	-79.341	14.6	9.07	1	D	234.91	145.96	V
1968	7	12	32.8	-79.7			3.3	I	235.01	146.03	M
2000	2	18	34.556	-80.5	0.1	0.06	2.4	D	235.18	146.13	V
1871	4	21	36.4	-78.6			2.7	I	237.60	147.64	M
1978	2	25	36.152	-79.318	21.1	13.11	3.3	I	237.65	147.67	M
1928	12	23	35.3	-80.3			3.3	I	240.11	149.20	M
1975	11	16	34.26	-80.57	7	4.35	2.8	N	240.80	149.63	G
2004	5	1	32.995	-80.003	10.7	6.65	2.7	D	241.11	149.82	V
1993	3	31	32.999	-80.04	5.2	3.23	1.2	D	243.54	151.33	V
1998	4	13	34.471	-80.603	6.6	4.10	4	D	243.90	151.55	V
1843	4	11	34.2	-80.6			2.7	I	243.95	151.58	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1989	5	3	33.108	-80.142	16.2	10.07	1.4	D	244.05	151.64	V
1992	11	21	32.95	-80.003	3.8	2.36	1.4	D	244.26	151.77	V
1960	3	12	33.072	-80.121	9	5.59	4	F	244.74	152.07	G
1997	3	22	33.093	-80.151	9.1	5.65	0.9	D	245.68	152.66	V
1998	9	11	33.094	-80.156	9.9	6.15	2.1	D	246.01	152.86	V
1989	5	3	33.068	-80.135	26.5	16.47	0.7	D	246.06	152.89	V
1959	8	3	33.054	-80.126	1	0.62	4.4	F	246.28	153.03	G
1999	3	29	33.064	-80.14	10.7	6.65	3	D	246.70	153.29	V
2002	7	7	33.043	-80.134	10.8	6.71	2.9	D	247.60	153.85	V
1698	3	5	32.9	-80			2.7	I	247.62	153.86	M
1754	5	19	32.9	-80			2.7	I	247.62	153.86	M
1757	2	7	32.9	-80			2.7	I	247.62	153.86	M
1799	4	4	32.9	-80			3.5	I	247.62	153.86	M
1799	4	11	32.9	-80			3.5	I	247.62	153.86	M
1799	4	11	32.9	-80			3.5	I	247.62	153.86	M
1816	12	30	32.9	-80					247.62	153.86	
1817	1	8	32.9	-80			4.8	C	247.62	153.86	M
1843	2	7	32.9	-80			2.7	I	247.62	153.86	M
1857	12	19	32.9	-80			3.5	I	247.62	153.86	M
1860	1	19	32.9	-80			3.5	I	247.62	153.86	M
1860	10	0	32.9	-80			2.7	I	247.62	153.86	M
1860	12	19	32.9	-80			2.7	I	247.62	153.86	M
1869			32.9	-80			3.3	I	247.62	153.86	M
1876	10	0	32.9	-80			2.7	I	247.62	153.86	M
1876	12	12	32.9	-80			3.3	I	247.62	153.86	M
1886	6	0	32.9	-80			2.7	I	247.62	153.86	M
1886	8	27	32.9	-80			2.7	I	247.62	153.86	M
1886	8	27	32.9	-80			3.5	I	247.62	153.86	M
1886	8	28	32.9	-80			2.7	I	247.62	153.86	M
1886	8	28	32.9	-80			3.8	I	247.62	153.86	M
1886	8	28	32.9	-80			3.3	I	247.62	153.86	M
1886	8	28	32.9	-80			2.4	I	247.62	153.86	M
1886	8	28	32.9	-80			3.3	I	247.62	153.86	M
1886	8	28	32.9	-80			2.7	I	247.62	153.86	M
1886	8	28	32.9	-80			2.4	I	247.62	153.86	M
1886	8	29	32.9	-80			2.4	I	247.62	153.86	M
1886	9	1	32.9	-80			6.9	F	247.62	153.86	G
1886	9	1	32.9	-80					247.62	153.86	
1886	9	1	32.9	-80					247.62	153.86	
1886	9	1	32.9	-80			2.7	I	247.62	153.86	M
1886	9	1	32.9	-80			2.7	I	247.62	153.86	M
1886	9	1	32.9	-80			2.7	I	247.62	153.86	M
1886	9	1	32.9	-80			3.5	I	247.62	153.86	M
1886	9	1	32.9	-80			2.7	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1886	9	1	32.9	-80			2.7	I	247.62	153.86	M
1886	9	1	32.9	-80			2.7	I	247.62	153.86	M
1886	9	1	32.9	-80			2.7	I	247.62	153.86	M
1886	9	1	32.9	-80			2.7	I	247.62	153.86	M
1886	9	1	32.9	-80			2.7	I	247.62	153.86	M
1886	9	1	32.9	-80			2.7	I	247.62	153.86	M
1886	9	1	32.9	-80			2.4	I	247.62	153.86	M
1886	9	2	32.9	-80			2.4	I	247.62	153.86	M
1886	9	2	32.9	-80			3.5	I	247.62	153.86	M
1886	9	3	32.9	-80			2.7	I	247.62	153.86	M
1886	9	4	32.9	-80			3.5	I	247.62	153.86	M
1886	9	5	32.9	-80					247.62	153.86	
1886	9	6	32.9	-80			3.5	I	247.62	153.86	M
1886	9	6	32.9	-80			2.7	I	247.62	153.86	M
1886	9	6	32.9	-80			2.7	I	247.62	153.86	M
1886	9	6	32.9	-80			3.3	I	247.62	153.86	M
1886	9	6	32.9	-80			2.4	I	247.62	153.86	M
1886	9	7	32.9	-80			2.7	I	247.62	153.86	M
1886	9	7	32.9	-80			2.4	I	247.62	153.86	M
1886	9	7	32.9	-80			2.4	I	247.62	153.86	M
1886	9	7	32.9	-80			2.4	I	247.62	153.86	M
1886	9	7	32.9	-80			2.4	I	247.62	153.86	M
1886	9	7	32.9	-80			2.4	I	247.62	153.86	M
1886	9	7	32.9	-80			2.4	I	247.62	153.86	M
1886	9	8	32.9	-80			2.7	I	247.62	153.86	M
1886	9	9	32.9	-80			2.7	I	247.62	153.86	M
1886	9	10	32.9	-80			2.4	I	247.62	153.86	M
1886	9	12	32.9	-80			2.4	I	247.62	153.86	M
1886	9	13	32.9	-80			2.7	I	247.62	153.86	M
1886	9	14	32.9	-80			2.7	I	247.62	153.86	M
1886	9	15	32.9	-80			2.4	I	247.62	153.86	M
1886	9	15	32.9	-80			2.4	I	247.62	153.86	M
1886	9	17	32.9	-80			3.8	I	247.62	153.86	M
1886	9	20	32.9	-80			2.7	I	247.62	153.86	M
1886	9	20	32.9	-80			2.7	I	247.62	153.86	M
1886	9	21	32.9	-80			2.7	I	247.62	153.86	M
1886	9	21	32.9	-80			3.8	I	247.62	153.86	M
1886	9	21	32.9	-80			3.5	I	247.62	153.86	M
1886	9	21	32.9	-80			2.7	I	247.62	153.86	M
1886	9	22	32.9	-80			2.4	I	247.62	153.86	M
1886	9	27	32.9	-80			3.8	I	247.62	153.86	M
1886	9	27	32.9	-80			3.5	I	247.62	153.86	M
1886	9	28	32.9	-80			2.7	I	247.62	153.86	M
1886	9	30	32.9	-80			2.7	I	247.62	153.86	M
1886	9	30	32.9	-80			2.7	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1886	10	9	32.9	-80			3.3	I	247.62	153.86	M
1886	10	9	32.9	-80			3.3	I	247.62	153.86	M
1886	10	9	32.9	-80			3.5	I	247.62	153.86	M
1886	10	9	32.9	-80			2.7	I	247.62	153.86	M
1886	10	15	32.9	-80			2.7	I	247.62	153.86	M
1886	10	15	32.9	-80			2.7	I	247.62	153.86	M
1886	10	22	32.9	-80			2.7	I	247.62	153.86	M
1886	10	22	32.9	-80			2.7	I	247.62	153.86	M
1886	10	22	32.9	-80			4.4	C	247.62	153.86	M
1886	10	22	32.9	-80			4.7	C	247.62	153.86	M
1886	10	23	32.9	-80			3.3	I	247.62	153.86	M
1886	10	23	32.9	-80			2.7	I	247.62	153.86	M
1886	10	30	32.9	-80			2.7	I	247.62	153.86	M
1886	10	31	32.9	-80			2.7	I	247.62	153.86	M
1886	10	31	32.9	-80			2.7	I	247.62	153.86	M
1886	11	5	32.9	-80			4.4	C	247.62	153.86	M
1886	11	7	32.9	-80			2.7	I	247.62	153.86	M
1886	11	17	32.9	-80			2.4	I	247.62	153.86	M
1886	11	28	32.9	-80			2.7	I	247.62	153.86	M
1886	11	28	32.9	-80			3.3	I	247.62	153.86	M
1886	12	1	32.9	-80			2.7	I	247.62	153.86	M
1886	12	2	32.9	-80			2.7	I	247.62	153.86	M
1886	12	2	32.9	-80			2.7	I	247.62	153.86	M
1886	12	6	32.9	-80			2.7	I	247.62	153.86	M
1887	1	3	32.9	-80			2.7	I	247.62	153.86	M
1887	1	4	32.9	-80			3.5	I	247.62	153.86	M
1887	1	4	32.9	-80			2.4	I	247.62	153.86	M
1887	1	5	32.9	-80			2.7	I	247.62	153.86	M
1887	1	11	32.9	-80			2.7	I	247.62	153.86	M
1887	2	26	32.9	-80			2.7	I	247.62	153.86	M
1887	3	4	32.9	-80			3.3	I	247.62	153.86	M
1887	3	17	32.9	-80			3.5	I	247.62	153.86	M
1887	3	18	32.9	-80			3.3	I	247.62	153.86	M
1887	3	19	32.9	-80			3.3	I	247.62	153.86	M
1887	3	20	32.9	-80			2.7	I	247.62	153.86	M
1887	3	22	32.9	-80			2.7	I	247.62	153.86	M
1887	3	24	32.9	-80			3.3	I	247.62	153.86	M
1887	3	24	32.9	-80			3.3	I	247.62	153.86	M
1887	3	24	32.9	-80			2.4	I	247.62	153.86	M
1887	3	27	32.9	-80			2.4	I	247.62	153.86	M
1887	3	28	32.9	-80			3.3	I	247.62	153.86	M
1887	3	28	32.9	-80			2.4	I	247.62	153.86	M
1887	3	30	32.9	-80			2.7	I	247.62	153.86	M
1887	3	31	32.9	-80			2.7	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1887	4	5	32.9	-80			2.7	I	247.62	153.86	M
1887	4	7	32.9	-80			3.3	I	247.62	153.86	M
1887	4	8	32.9	-80			3.3	I	247.62	153.86	M
1887	4	9	32.9	-80			2.7	I	247.62	153.86	M
1887	4	10	32.9	-80			3.3	I	247.62	153.86	M
1887	4	14	32.9	-80			3.3	I	247.62	153.86	M
1887	4	14	32.9	-80			2.7	I	247.62	153.86	M
1887	4	16	32.9	-80			2.7	I	247.62	153.86	M
1887	4	18	32.9	-80			2.7	I	247.62	153.86	M
1887	4	19	32.9	-80			2.4	I	247.62	153.86	M
1887	4	23	32.9	-80			2.7	I	247.62	153.86	M
1887	4	24	32.9	-80			2.7	I	247.62	153.86	M
1887	4	24	32.9	-80			2.4	I	247.62	153.86	M
1887	4	26	32.9	-80			2.4	I	247.62	153.86	M
1887	4	26	32.9	-80			2.7	I	247.62	153.86	M
1887	4	26	32.9	-80			3.3	I	247.62	153.86	M
1887	4	26	32.9	-80			2.4	I	247.62	153.86	M
1887	4	28	32.9	-80			3.5	I	247.62	153.86	M
1887	4	28	32.9	-80			2.7	I	247.62	153.86	M
1887	4	30	32.9	-80			2.7	I	247.62	153.86	M
1887	4	30	32.9	-80			2.7	I	247.62	153.86	M
1887	5	6	32.9	-80			3.3	I	247.62	153.86	M
1887	5	12	32.9	-80			2.7	I	247.62	153.86	M
1887	5	12	32.9	-80			2.7	I	247.62	153.86	M
1887	5	14	32.9	-80			2.7	I	247.62	153.86	M
1887	5	16	32.9	-80			2.7	I	247.62	153.86	M
1887	5	17	32.9	-80			2.4	I	247.62	153.86	M
1887	6	3	32.9	-80			3.3	I	247.62	153.86	M
1887	6	6	32.9	-80			2.7	I	247.62	153.86	M
1887	6	6	32.9	-80			2.4	I	247.62	153.86	M
1887	7	10	32.9	-80			3.3	I	247.62	153.86	M
1887	8	27	32.9	-80			3.5	I	247.62	153.86	M
1887	8	27	32.9	-80			3.3	I	247.62	153.86	M
1887	8	28	32.9	-80			2.7	I	247.62	153.86	M
1888	1	12	32.9	-80			2.7	I	247.62	153.86	M
1888	1	12	32.9	-80			3.8	I	247.62	153.86	M
1888	1	15	32.9	-80			2.7	I	247.62	153.86	M
1888	1	16	32.9	-80			3.3	I	247.62	153.86	M
1888	2	2	32.9	-80			2.4	I	247.62	153.86	M
1888	2	2	32.9	-80			2.7	I	247.62	153.86	M
1888	2	12	32.9	-80			2.7	I	247.62	153.86	M
1888	2	29	32.9	-80			3.5	I	247.62	153.86	M
1888	3	3	32.9	-80			3.3	I	247.62	153.86	M
1888	3	3	32.9	-80			3.3	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1888	3	4	32.9	-80			3.3	I	247.62	153.86	M
1888	3	14	32.9	-80			3.5	I	247.62	153.86	M
1888	3	20	32.9	-80			3.3	I	247.62	153.86	M
1888	3	25	32.9	-80			3.3	I	247.62	153.86	M
1888	4	16	32.9	-80			3.3	I	247.62	153.86	M
1888	4	16	32.9	-80			3.3	I	247.62	153.86	M
1888	4	16	32.9	-80			2.7	I	247.62	153.86	M
1888	4	20	32.9	-80			2.7	I	247.62	153.86	M
1888	4	20	32.9	-80			2.7	I	247.62	153.86	M
1888	5	2	32.9	-80			3.3	I	247.62	153.86	M
1889	2	10	32.9	-80			3.3	I	247.62	153.86	M
1889	7	12	32.9	-80			3.3	I	247.62	153.86	M
1889	8	29	32.9	-80			2.7	I	247.62	153.86	M
1890	1	15	32.9	-80			2.7	I	247.62	153.86	M
1891	6	24	32.9	-80			2.4	I	247.62	153.86	M
1891	10	13	32.9	-80			3.3	I	247.62	153.86	M
1891	12	5	32.9	-80			2.7	I	247.62	153.86	M
1892	11	3	32.9	-80			2.7	I	247.62	153.86	M
1892	11	4	32.9	-80			2.7	I	247.62	153.86	M
1892	11	4	32.9	-80			2.7	I	247.62	153.86	M
1892	11	4	32.9	-80			2.4	I	247.62	153.86	M
1892	11	6	32.9	-80			2.7	I	247.62	153.86	M
1892	11	8	32.9	-80			2.7	I	247.62	153.86	M
1892	11	8	32.9	-80			2.7	I	247.62	153.86	M
1892	11	9	32.9	-80			2.4	I	247.62	153.86	M
1892	11	10	32.9	-80			2.7	I	247.62	153.86	M
1892	11	10	32.9	-80			2.7	I	247.62	153.86	M
1892	11	10	32.9	-80			2.4	I	247.62	153.86	M
1892	11	11	32.9	-80			2.7	I	247.62	153.86	M
1892	11	11	32.9	-80			2.4	I	247.62	153.86	M
1892	11	11	32.9	-80			2.4	I	247.62	153.86	M
1892	11	12	32.9	-80			2.4	I	247.62	153.86	M
1892	11	23	32.9	-80			2.4	I	247.62	153.86	M
1892	12	22	32.9	-80			2.4	I	247.62	153.86	M
1892	12	22	32.9	-80			2.4	I	247.62	153.86	M
1893	2	14	32.9	-80			2.4	I	247.62	153.86	M
1893	2	14	32.9	-80			2.4	I	247.62	153.86	M
1893	3	2	32.9	-80			2.4	I	247.62	153.86	M
1893	3	2	32.9	-80			2.4	I	247.62	153.86	M
1893	3	3	32.9	-80			2.4	I	247.62	153.86	M
1893	3	3	32.9	-80			2.4	I	247.62	153.86	M
1893	3	8	32.9	-80			2.4	I	247.62	153.86	M
1893	6	21	32.9	-80			3.5	I	247.62	153.86	M
1893	6	21	32.9	-80			2.7	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1893	6	21	32.9	-80			2.7	I	247.62	153.86	M
1893	6	24	32.9	-80			2.7	I	247.62	153.86	M
1893	6	24	32.9	-80			2.4	I	247.62	153.86	M
1893	6	27	32.9	-80			2.4	I	247.62	153.86	M
1893	6	29	32.9	-80			2.4	I	247.62	153.86	M
1893	7	3	32.9	-80			2.4	I	247.62	153.86	M
1893	7	3	32.9	-80			2.4	I	247.62	153.86	M
1893	7	4	32.9	-80			2.4	I	247.62	153.86	M
1893	7	4	32.9	-80			2.4	I	247.62	153.86	M
1893	7	5	32.9	-80			2.4	I	247.62	153.86	M
1893	7	5	32.9	-80			3.3	I	247.62	153.86	M
1893	7	6	32.9	-80			2.4	I	247.62	153.86	M
1893	7	6	32.9	-80			2.4	I	247.62	153.86	M
1893	7	6	32.9	-80			3.3	I	247.62	153.86	M
1893	7	7	32.9	-80			2.4	I	247.62	153.86	M
1893	7	8	32.9	-80			2.4	I	247.62	153.86	M
1893	7	8	32.9	-80			3.3	I	247.62	153.86	M
1893	7	8	32.9	-80			3.3	I	247.62	153.86	M
1893	7	8	32.9	-80			2.4	I	247.62	153.86	M
1893	7	9	32.9	-80			2.4	I	247.62	153.86	M
1893	7	9	32.9	-80			2.4	I	247.62	153.86	M
1893	7	11	32.9	-80			2.4	I	247.62	153.86	M
1893	7	12	32.9	-80			2.4	I	247.62	153.86	M
1893	7	23	32.9	-80			2.4	I	247.62	153.86	M
1893	7	25	32.9	-80			2.4	I	247.62	153.86	M
1893	8	3	32.9	-80			2.4	I	247.62	153.86	M
1893	8	10	32.9	-80			2.4	I	247.62	153.86	M
1893	8	14	32.9	-80			2.4	I	247.62	153.86	M
1893	8	17	32.9	-80			2.4	I	247.62	153.86	M
1893	9	6	32.9	-80			2.4	I	247.62	153.86	M
1893	9	19	32.9	-80			2.4	I	247.62	153.86	M
1893	9	19	32.9	-80			3.3	I	247.62	153.86	M
1893	9	19	32.9	-80			3.3	I	247.62	153.86	M
1893	9	19	32.9	-80			3.3	I	247.62	153.86	M
1893	9	21	32.9	-80			2.7	I	247.62	153.86	M
1893	9	21	32.9	-80			2.7	I	247.62	153.86	M
1893	9	22	32.9	-80			2.4	I	247.62	153.86	M
1893	9	25	32.9	-80			2.4	I	247.62	153.86	M
1893	9	25	32.9	-80			2.4	I	247.62	153.86	M
1893	9	25	32.9	-80			2.4	I	247.62	153.86	M
1893	9	25	32.9	-80			2.4	I	247.62	153.86	M
1893	9	27	32.9	-80			2.4	I	247.62	153.86	M
1893	9	30	32.9	-80			2.4	I	247.62	153.86	M
1893	9	30	32.9	-80			2.7	I	247.62	153.86	M
1893	10	1	32.9	-80			2.7	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1893	10	2	32.9	-80			2.4	I	247.62	153.86	M
1893	10	2	32.9	-80			2.4	I	247.62	153.86	M
1893	10	2	32.9	-80			2.4	I	247.62	153.86	M
1893	10	8	32.9	-80			2.4	I	247.62	153.86	M
1893	10	10	32.9	-80			2.7	I	247.62	153.86	M
1893	10	17	32.9	-80			2.4	I	247.62	153.86	M
1893	10	24	32.9	-80			2.7	I	247.62	153.86	M
1893	10	25	32.9	-80			2.4	I	247.62	153.86	M
1893	11	8	32.9	-80			3.3	I	247.62	153.86	M
1893	11	8	32.9	-80			3.3	I	247.62	153.86	M
1893	12	3	32.9	-80			2.7	I	247.62	153.86	M
1893	12	27	32.9	-80			3.3	I	247.62	153.86	M
1893	12	27	32.9	-80			3.3	I	247.62	153.86	M
1893	12	27	32.9	-80			3.3	I	247.62	153.86	M
1893	12	27	32.9	-80			3.3	I	247.62	153.86	M
1893	12	28	32.9	-80			3.3	I	247.62	153.86	M
1893	12	29	32.9	-80			2.7	I	247.62	153.86	M
1893	12	30	32.9	-80			2.4	I	247.62	153.86	M
1893	12	31	32.9	-80			2.4	I	247.62	153.86	M
1894	1	10	32.9	-80			2.4	I	247.62	153.86	M
1894	1	10	32.9	-80			3.3	I	247.62	153.86	M
1894	1	10	32.9	-80			3.3	I	247.62	153.86	M
1894	1	10	32.9	-80			3.3	I	247.62	153.86	M
1894	1	18	32.9	-80			2.7	I	247.62	153.86	M
1894	1	30	32.9	-80			3.3	I	247.62	153.86	M
1894	2	1	32.9	-80			3.3	I	247.62	153.86	M
1894	2	14	32.9	-80			2.7	I	247.62	153.86	M
1894	3	5	32.9	-80			2.4	I	247.62	153.86	M
1894	3	14	32.9	-80			2.4	I	247.62	153.86	M
1894	3	16	32.9	-80			2.7	I	247.62	153.86	M
1894	4	15	32.9	-80			2.4	I	247.62	153.86	M
1894	5	26	32.9	-80			2.4	I	247.62	153.86	M
1894	6	6	32.9	-80			2.7	I	247.62	153.86	M
1894	6	9	32.9	-80			2.7	I	247.62	153.86	M
1894	6	16	32.9	-80			2.7	I	247.62	153.86	M
1894	6	16	32.9	-80			3.3	I	247.62	153.86	M
1894	8	11	32.9	-80			2.7	I	247.62	153.86	M
1894	8	11	32.9	-80			2.7	I	247.62	153.86	M
1894	8	14	32.9	-80			2.7	I	247.62	153.86	M
1894	8	16	32.9	-80			2.4	I	247.62	153.86	M
1894	8	19	32.9	-80			2.7	I	247.62	153.86	M
1894	8	19	32.9	-80			2.7	I	247.62	153.86	M
1894	8	20	32.9	-80			2.7	I	247.62	153.86	M
1894	9	7	32.9	-80			2.4	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1894	9	10	32.9	-80			2.4	I	247.62	153.86	M
1894	9	12	32.9	-80			2.4	I	247.62	153.86	M
1894	9	12	32.9	-80			2.4	I	247.62	153.86	M
1894	10	27	32.9	-80			2.7	I	247.62	153.86	M
1894	12	11	32.9	-80			3.3	I	247.62	153.86	M
1894	12	20	32.9	-80			2.7	I	247.62	153.86	M
1894	12	20	32.9	-80			2.7	I	247.62	153.86	M
1894	12	29	32.9	-80			2.7	I	247.62	153.86	M
1895	1	8	32.9	-80			3.3	I	247.62	153.86	M
1895	1	8	32.9	-80			3.3	I	247.62	153.86	M
1895	1	8	32.9	-80			3.3	I	247.62	153.86	M
1895	1	10	32.9	-80			2.7	I	247.62	153.86	M
1895	2	7	32.9	-80			2.7	I	247.62	153.86	M
1895	4	7	32.9	-80			2.7	I	247.62	153.86	M
1895	4	27	32.9	-80			3.3	I	247.62	153.86	M
1895	5	6	32.9	-80			2.7	I	247.62	153.86	M
1895	7	25	32.9	-80			3.3	I	247.62	153.86	M
1895	7	25	32.9	-80			2.4	I	247.62	153.86	M
1895	8	23	32.9	-80			2.7	I	247.62	153.86	M
1895	10	6	32.9	-80			3.3	I	247.62	153.86	M
1895	10	20	32.9	-80			3.3	I	247.62	153.86	M
1895	10	31	32.9	-80			2.7	I	247.62	153.86	M
1895	11	6	32.9	-80			2.7	I	247.62	153.86	M
1895	11	12	32.9	-80			3.3	I	247.62	153.86	M
1895	11	13	32.9	-80			2.7	I	247.62	153.86	M
1895	12	3	32.9	-80			2.7	I	247.62	153.86	M
1895	12	26	32.9	-80			2.7	I	247.62	153.86	M
1896	2	10	32.9	-80			2.4	I	247.62	153.86	M
1896	3	1	32.9	-80			2.7	I	247.62	153.86	M
1896	3	3	32.9	-80			2.4	I	247.62	153.86	M
1896	3	19	32.9	-80			3.3	I	247.62	153.86	M
1896	5	21	32.9	-80			2.4	I	247.62	153.86	M
1896	5	31	32.9	-80			2.7	I	247.62	153.86	M
1896	6	1	32.9	-80			2.4	I	247.62	153.86	M
1896	6	23	32.9	-80			2.4	I	247.62	153.86	M
1896	6	29	32.9	-80			2.7	I	247.62	153.86	M
1896	6	30	32.9	-80			2.7	I	247.62	153.86	M
1896	8	7	32.9	-80			2.4	I	247.62	153.86	M
1896	8	7	32.9	-80			2.4	I	247.62	153.86	M
1896	8	7	32.9	-80			2.4	I	247.62	153.86	M
1896	8	11	32.9	-80			3.3	I	247.62	153.86	M
1896	8	11	32.9	-80			3.3	I	247.62	153.86	M
1896	8	11	32.9	-80			3.3	I	247.62	153.86	M
1896	8	11	32.9	-80			3.3	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1896	8	12	32.9	-80			3.3	I	247.62	153.86	M
1896	8	13	32.9	-80			2.7	I	247.62	153.86	M
1896	8	14	32.9	-80			3.3	I	247.62	153.86	M
1896	8	15	32.9	-80			2.7	I	247.62	153.86	M
1896	8	16	32.9	-80			2.7	I	247.62	153.86	M
1896	8	17	32.9	-80			2.7	I	247.62	153.86	M
1896	8	30	32.9	-80			3.3	I	247.62	153.86	M
1896	9	8	32.9	-80			2.7	I	247.62	153.86	M
1896	9	8	32.9	-80			3.3	I	247.62	153.86	M
1896	9	11	32.9	-80			2.4	I	247.62	153.86	M
1896	9	11	32.9	-80			2.4	I	247.62	153.86	M
1896	9	13	32.9	-80			2.7	I	247.62	153.86	M
1896	11	14	32.9	-80			3.3	I	247.62	153.86	M
1897	2	1	32.9	-80			2.4	I	247.62	153.86	M
1897	3	17	32.9	-80			2.7	I	247.62	153.86	M
1897	3	30	32.9	-80			2.7	I	247.62	153.86	M
1897	6	1	32.9	-80			2.4	I	247.62	153.86	M
1897	7	10	32.9	-80			2.4	I	247.62	153.86	M
1898	8	3	32.9	-80			2.7	I	247.62	153.86	M
1898	9	23	32.9	-80			2.7	I	247.62	153.86	M
1899	3	10	32.9	-80			3.3	I	247.62	153.86	M
1899	3	16	32.9	-80			2.7	I	247.62	153.86	M
1899	5	5	32.9	-80			2.7	I	247.62	153.86	M
1899	5	18	32.9	-80			2.4	I	247.62	153.86	M
1899	12	4	32.9	-80			3.3	I	247.62	153.86	M
1900	1	14	32.9	-80			2.7	I	247.62	153.86	M
1900	5	10	32.9	-80			2.7	I	247.62	153.86	M
1900	8	11	32.9	-80			2.7	I	247.62	153.86	M
1900	9	4	32.9	-80			2.7	I	247.62	153.86	M
1900	9	24	32.9	-80			2.7	I	247.62	153.86	M
1901	1	0	32.9	-80			2.7	I	247.62	153.86	M
1901	9	5	32.9	-80			2.4	I	247.62	153.86	M
1901	9	14	32.9	-80			2.4	I	247.62	153.86	M
1901	9	16	32.9	-80			2.4	I	247.62	153.86	M
1901	9	17	32.9	-80			2.4	I	247.62	153.86	M
1901	9	29	32.9	-80			2.4	I	247.62	153.86	M
1901	12	2	32.9	-80			3.3	I	247.62	153.86	M
1902	1	22	32.9	-80			2.4	I	247.62	153.86	M
1902	2	5	32.9	-80			2.4	I	247.62	153.86	M
1902	3	18	32.9	-80			2.4	I	247.62	153.86	M
1902	3	26	32.9	-80			2.4	I	247.62	153.86	M
1902	5	16	32.9	-80			2.7	I	247.62	153.86	M
1902	5	24	32.9	-80			2.7	I	247.62	153.86	M
1902	9	28	32.9	-80			2.4	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1902	11	20	32.9	-80			2.4	I	247.62	153.86	M
1903	1	24	32.9	-80			3.3	I	247.62	153.86	M
1903	1	29	32.9	-80			2.7	I	247.62	153.86	M
1903	1	31	32.9	-80			3.3	I	247.62	153.86	M
1903	2	3	32.9	-80			3.3	I	247.62	153.86	M
1903	5	9	32.9	-80			2.7	I	247.62	153.86	M
1903	6	17	32.9	-80			2.4	I	247.62	153.86	M
1903	8	25	32.9	-80			2.7	I	247.62	153.86	M
1903	12	24	32.9	-80			2.4	I	247.62	153.86	M
1904	3	6	32.9	-80			2.4	I	247.62	153.86	M
1904	3	16	32.9	-80			2.4	I	247.62	153.86	M
1904	6	19	32.9	-80			2.4	I	247.62	153.86	M
1904	6	22	32.9	-80			2.4	I	247.62	153.86	M
1904	9	5	32.9	-80			2.7	I	247.62	153.86	M
1904	9	10	32.9	-80			2.4	I	247.62	153.86	M
1904	9	24	32.9	-80					247.62	153.86	
1904	10	1	32.9	-80			2.4	I	247.62	153.86	M
1904	11	15	32.9	-80			2.4	I	247.62	153.86	M
1904	12	6	32.9	-80			2.4	I	247.62	153.86	M
1905	3	5	32.9	-80			2.7	I	247.62	153.86	M
1905	6	4	32.9	-80			2.7	I	247.62	153.86	M
1905	7	23	32.9	-80			2.4	I	247.62	153.86	M
1905	7	23	32.9	-80			2.4	I	247.62	153.86	M
1905	10	11	32.9	-80			2.7	I	247.62	153.86	M
1905	10	16	32.9	-80			2.4	I	247.62	153.86	M
1905	12	28	32.9	-80			2.4	I	247.62	153.86	M
1906	8	5	32.9	-80			2.7	I	247.62	153.86	M
1907	4	19	32.9	-80			3.9	C	247.62	153.86	M
1908	1	15	32.9	-80			2.7	I	247.62	153.86	M
1908	1	15	32.9	-80			2.4	I	247.62	153.86	M
1908	3	3	32.9	-80			2.4	I	247.62	153.86	M
1908	3	7	32.9	-80			2.4	I	247.62	153.86	M
1908	10	26	32.9	-80			2.7	I	247.62	153.86	M
1908	12	28	32.9	-80			2.4	I	247.62	153.86	M
1909	2	26	32.9	-80			2.7	I	247.62	153.86	M
1909	8	21	32.9	-80			2.7	I	247.62	153.86	M
1909	12	14	32.9	-80			2.7	I	247.62	153.86	M
1910	5	2	32.9	-80			2.7	I	247.62	153.86	M
1910	9	2	32.9	-80			2.7	I	247.62	153.86	M
1910	9	12	32.9	-80			2.7	I	247.62	153.86	M
1911	11	24	32.9	-80			2.4	I	247.62	153.86	M
1912	3	31	32.9	-80			2.7	I	247.62	153.86	M
1912	6	12	32.9	-80			4.8	C	247.62	153.86	M
1912	6	29	32.9	-80			2.7	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1912	8	30	32.9	-80			2.4	I	247.62	153.86	M
1912	9	29	32.9	-80			3.3	I	247.62	153.86	M
1912	11	17	32.9	-80			3.3	I	247.62	153.86	M
1912	11	26	32.9	-80			2.4	I	247.62	153.86	M
1912	12	15	32.9	-80			2.4	I	247.62	153.86	M
1913	1	26	32.9	-80			2.4	I	247.62	153.86	M
1913	2	5	32.9	-80			2.4	I	247.62	153.86	M
1913	3	9	32.9	-80			2.7	I	247.62	153.86	M
1913	6	6	32.9	-80			2.4	I	247.62	153.86	M
1914	6	19	32.9	-80			2.7	I	247.62	153.86	M
1914	7	14	32.9	-80			3.3	I	247.62	153.86	M
1914	7	14	32.9	-80			2.4	I	247.62	153.86	M
1914	9	22	32.9	-80			4.2	C	247.62	153.86	M
1914	12	23	32.9	-80			2.4	I	247.62	153.86	M
1915	12	13	32.9	-80			2.7	I	247.62	153.86	M
1915	12	20	32.9	-80			2.7	I	247.62	153.86	M
1916	4	16	32.9	-80			2.4	I	247.62	153.86	M
1916	4	30	32.9	-80			2.7	I	247.62	153.86	M
1916	6	25	32.9	-80			2.7	I	247.62	153.86	M
1916	7	14	32.9	-80			2.4	I	247.62	153.86	M
1916	9	24	32.9	-80			2.4	I	247.62	153.86	M
1917	4	11	32.9	-80			2.4	I	247.62	153.86	M
1920	8	1	32.9	-80			2.4	I	247.62	153.86	M
1921	4	19	32.9	-80			2.7	I	247.62	153.86	M
1921	4	23	32.9	-80			2.7	I	247.62	153.86	M
1922	8	8	32.9	-80			2.4	I	247.62	153.86	M
1923	3	24	32.9	-80			2.7	I	247.62	153.86	M
1924	2	14	32.9	-80			2.7	I	247.62	153.86	M
1924	6	3	32.9	-80			2.7	I	247.62	153.86	M
1924	9	26	32.9	-80					247.62	153.86	
1928	12	19	32.9	-80			2.4	I	247.62	153.86	M
1930	9	3	32.9	-80			2.7	I	247.62	153.86	M
1932	1	6	32.9	-80			2.4	I	247.62	153.86	M
1932	1	13	32.9	-80			2.4	I	247.62	153.86	M
1933	7	26	32.9	-80			2.7	I	247.62	153.86	M
1933	12	19	32.9	-80			3.3	I	247.62	153.86	M
1933	12	23	32.9	-80			3.5	I	247.62	153.86	M
1933	12	23	32.9	-80			3.3	I	247.62	153.86	M
1934	12	9	32.9	-80			3.3	I	247.62	153.86	M
1935	2	6	32.9	-80			2.7	I	247.62	153.86	M
1935	10	20	32.9	-80			2.7	I	247.62	153.86	M
1936	12	30	32.9	-80			2.4	I	247.62	153.86	M
1937	10	25	32.9	-80			2.4	I	247.62	153.86	M
1938	8	5	32.9	-80			2.4	I	247.62	153.86	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1940	1	5	32.9	-80			2.7	I	247.62	153.86	M
1940	1	5	32.9	-80			2.7	I	247.62	153.86	M
1940	10	8	32.9	-80			2.4	I	247.62	153.86	M
1940	12	27	32.9	-80			2.4	I	247.62	153.86	M
1943	12	28	32.9	-80			3.3	I	247.62	153.86	M
1944	1	28	32.9	-80			3.3	I	247.62	153.86	M
1945	1	30	32.9	-80			3.3	I	247.62	153.86	M
1945	5	18	32.9	-80			2.7	I	247.62	153.86	M
1945	5	18	32.9	-80			2.7	I	247.62	153.86	M
1945	6	5	32.9	-80			2.4	I	247.62	153.86	M
1946	2	8	32.9	-80			2.7	I	247.62	153.86	M
1947	11	2	32.9	-80			3.3	I	247.62	153.86	M
1949	2	2	32.9	-80			3.3	I	247.62	153.86	M
1949	6	27	32.9	-80			3.3	I	247.62	153.86	M
1951	3	4	32.9	-80			3.3	I	247.62	153.86	M
1951	3	8	32.9	-80			2.4	I	247.62	153.86	M
1951	3	10	32.9	-80			2.4	I	247.62	153.86	M
1951	12	30	32.9	-80			3.3	I	247.62	153.86	M
1952	9	27	32.9	-80			2.7	I	247.62	153.86	M
1952	11	19	32.9	-80			3.5	I	247.62	153.86	M
1960	7	24	32.9	-80			3.5	I	247.62	153.86	M
1961	5	20	32.9	-80			2.7	I	247.62	153.86	M
1961	10	18	32.9	-80			2.7	I	247.62	153.86	M
1968	7	10	32.9	-80			2.4	I	247.62	153.86	M
1968	7	10	32.9	-80			2.4	I	247.62	153.86	M
1999	3	29	33.057	-80.147	7.9	4.91	2	D	247.68	153.90	V
1990	10	9	32.979	-80.086	11.6	7.21	1.2	D	248.29	154.28	V
2004	12	10	33.075	-80.172	10.3	6.40	2.4	D	248.43	154.37	V
1978	10	30	33.046	-80.151	7.3	4.54	1.9	D	248.69	154.53	V
1998	11	15	33.047	-80.154	9.1	5.65	2.1	D	248.86	154.63	V
1978	10	30	33.039	-80.15	3	1.86	2.4	D	249.07	154.77	V
1992	5	7	33.04	-80.151	2.5	1.55	1.5	D	249.08	154.77	V
1977	1	18	33.058	-80.173	1	0.62	3.8	I	249.59	155.09	M
2000	9	24	33.039	-80.16	7	4.35	2.3	D	249.83	155.24	V
1994	4	8	33.016	-80.141	3	1.86	1	D	249.90	155.28	V
1994	6	20	33.04	-80.162	2.1	1.30	2.7	I	249.92	155.29	M
1992	4	30	33.039	-80.164	5.9	3.67	1	D	250.13	155.42	V
1978	10	30	33.062	-80.187	17.5	10.87	1.3	D	250.41	155.59	V
1991	11	17	32.988	-80.123	3.8	2.36	2.4	I	250.42	155.60	M
1994	5	1	33.042	-80.171	3	1.86	0.7	D	250.47	155.63	V
2002	11	29	33.049	-80.177	9.1	5.65	2.5	D	250.47	155.64	V
2000	5	7	33.025	-80.157	7.7	4.78	1.3	D	250.51	155.66	V
1979	1	27	33.051	-80.182	6.2	3.85	2.8	D	250.73	155.79	V
1991	3	5	33.038	-80.172	0.9	0.56	2.4	I	250.80	155.84	M

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1979	7	4	33.017	-80.155	5	3.11	1.3	D	250.89	155.89	V
1988	4	30	33.006	-80.146	0.9	0.56	1.6	D	250.94	155.92	V
2002	1	28	33.018	-80.157	4.7	2.92	2.4	D	250.97	155.95	V
2002	12	16	33.049	-80.184	8.5	5.28	2.8	D	251.01	155.97	V
2000	9	22	33.01	-80.151	4.8	2.98	2.4	D	251.05	155.99	V
2003	5	5	33.055	-80.19	11.4	7.08	3.1	D	251.08	156.01	V
2002	7	26	33.06	-80.195	10	6.21	3	D	251.14	156.05	V
2004	11	25	33.053	-80.19	12.9	8.02	2.7	D	251.21	156.09	V
1980	6	22	33.015	-80.158	0.3	0.19	2.4	I	251.24	156.12	M
1985	5	19	33.01	-80.155	7.4	4.60	2.1	D	251.35	156.18	V
2002	2	2	33.014	-80.159	7.7	4.78	2.2	D	251.39	156.20	V
1980	6	22	33.012	-80.158	0.2	0.12	2.4	I	251.44	156.24	M
2004	8	18	33.023	-80.171	7.7	4.78	2.5	D	251.70	156.40	V
1998	10	31	33.05	-80.194	8.7	5.41	1.8	D	251.71	156.40	V
1992	2	29	33.016	-80.165	8.9	5.53	1.3	D	251.71	156.40	V
1997	3	29	32.989	-80.143	5.8	3.60	1.8	D	251.84	156.49	V
1992	5	7	33.009	-80.161	5.3	3.29	1	D	251.86	156.50	V
1996	7	1	33.091	-80.23	0.1	0.06	0.5	D	251.90	156.52	V
1995	7	29	33.001	-80.156	0.4	0.25	1.2	D	252.02	156.60	V
1979	12	7	33.008	-80.163	5	3.11	3.3	I	252.08	156.64	M
1978	9	7	33.063	-80.21	10	6.21	3.3	I	252.10	156.65	M
1991	3	27	33.019	-80.177	8.6	5.34	1.8	D	252.41	156.84	V
2000	8	10	33.016	-80.179	7.1	4.41	1.6	D	252.76	157.06	V
1992	2	19	32.916	-80.089	10.3	6.40	2.4	I	252.86	157.12	M
1994	4	17	32.918	-80.094	3	1.86	0.8	D	253.09	157.26	V
1986	5	8	33.007	-80.178	5.3	3.29	1.4	D	253.27	157.38	V
1992	8	21	32.987	-80.162	4.4	2.73	2.4	I	253.39	157.45	M
1995	4	17	32.997	-80.171	8.4	5.22	3.9	N	253.41	157.46	V
2000	5	27	32.95	-80.129	6.8	4.23	1.3	D	253.44	157.48	V
1998	8	28	32.984	-80.161	7.3	4.54	1.4	D	253.52	157.53	V
1995	9	16	32.979	-80.157	3.9	2.42	2.3	D	253.55	157.55	V
1992	8	21	32.985	-80.163	6.5	4.04	4.1	N	253.60	157.58	V
1998	12	5	32.994	-80.171	6.5	4.04	1.6	D	253.60	157.58	V
1992	8	21	32.988	-80.166	5.2	3.23	0.6	D	253.63	157.60	V
1995	5	16	32.962	-80.143	3	1.86	0.2	D	253.66	157.61	V
1995	7	21	32.985	-80.164	6.5	4.04	2.1	D	253.68	157.63	V
1977	12	20	33.064	-80.232	12	7.46	1.8	D	253.73	157.66	V
1995	9	16	32.972	-80.154	4.1	2.55	1.2	D	253.80	157.70	V
1994	1	29	32.982	-80.163	6.6	4.10	1	D	253.80	157.70	V
1994	4	21	32.937	-80.122	7	4.35	1.5	D	253.81	157.71	V
1992	9	6	32.945	-80.13	5.8	3.60	0.8	D	253.85	157.74	V
1992	8	9	33.013	-80.191	8.5	5.28	0.8	D	253.86	157.74	V
2003	10	22	32.983	-80.166	7.5	4.66	2.4	D	253.96	157.80	V
1990	11	13	32.947	-80.136	3.4	2.11	3.5	N	254.16	157.93	V

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1991	1	15	32.953	-80.146	2	1.24	2.4	I	254.49	158.13	M
1997	3	2	32.98	-80.172	7.5	4.66	1.6	D	254.61	158.21	V
1997	9	17	32.952	-80.148	6.2	3.85	2.2	D	254.70	158.27	V
1998	11	11	32.982	-80.176	7.3	4.54	1.3	D	254.77	158.31	V
1993	7	12	36.035	-79.823	5	3.11	3.3	I	254.78	158.31	M
1992	10	17	32.992	-80.185	4.4	2.73	1	D	254.79	158.32	V
1982	1	15	32.883	-80.084	0.5	0.31	1.7	D	254.83	158.35	V
2003	3	15	32.939	-80.138	5.3	3.29	2	D	254.85	158.36	V
1991	4	23	32.953	-80.151	6.4	3.98	1.4	D	254.86	158.36	V
1986	6	13	32.985	-80.18	7.1	4.41	1.1	D	254.87	158.37	V
1990	11	13	32.948	-80.147	5.4	3.36	0.6	D	254.90	158.39	V
2003	3	15	32.937	-80.137	5.4	3.36	2.3	D	254.92	158.40	V
2002	7	16	32.938	-80.138	6.7	4.16	2.8	D	254.92	158.40	V
2002	7	16	32.938	-80.138	7.2	4.47	2.3	D	254.92	158.40	V
2003	12	1	32.939	-80.139	8.4	5.22	2.1	D	254.93	158.40	V
1990	11	13	32.948	-80.149	5.9	3.67	0.8	D	255.05	158.48	V
1988	12	13	32.949	-80.15	5.4	3.36	2.4	D	255.06	158.48	V
1982	3	1	32.936	-80.138	6.7	4.16	3.3	I	255.06	158.48	M
1986	3	9	32.968	-80.169	5.8	3.60	2.7	I	255.18	158.56	M
1993	11	25	32.936	-80.14	7.5	4.66	1	D	255.20	158.58	V
1990	8	18	32.938	-80.142	4.2	2.61	1.7	D	255.21	158.58	V
1995	4	10	32.939	-80.143	5	3.11	1.2	D	255.22	158.59	V
1995	6	20	32.939	-80.143	6.4	3.98	0.8	D	255.22	158.59	V
1990	6	18	32.952	-80.155	5.1	3.17	1	D	255.22	158.59	V
1992	11	12	32.933	-80.138	5.7	3.54	1.2	D	255.26	158.61	V
1993	12	6	32.938	-80.143	5	3.11	1	D	255.29	158.63	V
1995	3	2	32.962	-80.165	4.6	2.86	0.7	D	255.29	158.63	V
1990	5	11	32.951	-80.155	6.1	3.79	2.7	I	255.29	158.63	M
1991	5	17	32.94	-80.145	1	0.62	1.4	D	255.30	158.64	V
1989	10	20	32.955	-80.16	4.8	2.98	0.9	D	255.39	158.69	V
2005	11	19	33	-80.2	5	3.11	2.6	L	255.39	158.69	G
1993	1	22	32.931	-80.138	8.5	5.28	1	D	255.40	158.70	V
1989	6	6	32.942	-80.149	2	1.24	0.9	D	255.46	158.73	V
1990	8	18	32.956	-80.162	6.7	4.16	0.5	D	255.47	158.74	V
1996	11	14	32.949	-80.156	5.6	3.48	0.4	D	255.50	158.76	V
1990	6	18	32.951	-80.158	4.9	3.04	2.7	I	255.51	158.77	M
1998	3	29	32.94	-80.149	9.4	5.84	1.7	D	255.59	158.82	V
2002	1	11	32.937	-80.147	6.1	3.79	2.7	D	255.65	158.85	V
1995	8	18	32.932	-80.143	3.6	2.24	0.2	D	255.70	158.88	V
1999	1	6	32.917	-80.129	8	4.97	1.3	D	255.71	158.89	V
2002	1	22	32.935	-80.146	6.7	4.16	1.1	D	255.71	158.89	V
2004	1	13	33.017	-80.219	7.5	4.66	2.2	D	255.73	158.90	V
2002	1	11	32.938	-80.149	6.7	4.16	2	D	255.73	158.90	V
1991	2	7	32.939	-80.15	6.2	3.85	1.3	D	255.74	158.91	V

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1980	9	1	32.978	-80.186	7	4.35	3.3	I	255.79	158.94	M
2003	7	19	32.924	-80.137	5.7	3.54	2.5	D	255.81	158.95	V
1983	6	26	32.931	-80.144	4.8	2.98	2	D	255.84	158.97	V
1993	6	15	32.977	-80.186	6.9	4.29	2.7	I	255.85	158.98	M
1995	8	19	32.979	-80.188	7.3	4.54	0	D	255.87	158.99	V
2000	11	15	32.95	-80.163	5.9	3.67	1	D	255.95	159.04	V
1990	6	2	32.935	-80.15	5.4	3.36	2.7	I	256.01	159.08	M
1990	2	18	32.961	-80.175	1.9	1.18	2.7	I	256.10	159.13	M
1997	5	10	32.94	-80.157	6.6	4.10	0.9	D	256.18	159.18	V
2002	1	7	32.932	-80.15	5.8	3.60	0.7	D	256.21	159.20	V
2002	4	28	32.935	-80.153	6.9	4.29	2.3	D	256.23	159.21	V
1992	10	30	32.963	-80.179	6.5	4.04	1	D	256.26	159.23	V
2004	8	20	32.933	-80.152	6.9	4.29	1.9	D	256.29	159.25	V
1991	2	18	32.962	-80.179	4.1	2.55	2.7	I	256.33	159.28	M
1999	5	30	32.918	-80.139	5.4	3.36	1.2	D	256.37	159.30	V
2003	12	2	32.928	-80.149	5.4	3.36	1.3	D	256.41	159.33	V
1998	11	5	32.934	-80.155	5.7	3.54	1.5	D	256.45	159.35	V
2003	2	26	32.936	-80.157	7.9	4.91	2.1	D	256.46	159.35	V
1995	6	5	32.941	-80.162	3	1.86	1	D	256.49	159.37	V
2000	5	23	32.929	-80.151	6.5	4.04	1	D	256.49	159.38	V
1998	9	11	32.943	-80.164	6.9	4.29	1.4	D	256.50	159.38	V
1988	1	23	32.935	-80.157	7.4	4.60	3.5	I	256.52	159.40	M
1989	1	2	32.936	-80.158	4.9	3.04	2.7	I	256.53	159.40	M
1983	11	6	32.937	-80.159	9.6	5.97	3.5	I	256.54	159.40	M
1996	5	6	33.028	-80.239	12.6	7.83	0.4	D	256.54	159.41	V
2003	2	1	32.931	-80.154	5.5	3.42	2.1	D	256.58	159.43	V
2000	12	3	32.948	-80.17	6.2	3.85	0.8	D	256.60	159.45	V
1997	12	5	32.96	-80.181	8.9	5.53	1.3	D	256.61	159.45	V
1977	12	15	32.944	-80.167	7.5	4.66	3.5	I	256.65	159.48	M
1987	10	6	32.944	-80.167	1.7	1.06	1.5	D	256.65	159.48	V
1995	4	10	32.944	-80.167	3.9	2.42	0.6	D	256.65	159.48	V
1992	3	8	32.958	-80.18	5.9	3.67	0.8	D	256.67	159.49	V
1977	8	23	32.939	-80.163	7.6	4.72	2.3	D	256.69	159.50	V
1963	5	4	32.972	-80.193	5	3.11	3.3	M	256.71	159.51	G
1993	10	3	32.992	-80.211	3.5	2.17	1	D	256.74	159.53	V
1983	11	6	32.929	-80.155	11.2	6.96	2.2	D	256.79	159.56	V
1997	11	26	32.931	-80.157	6.9	4.29	2.5	D	256.80	159.57	V
1989	3	15	32.962	-80.186	7.5	4.66	1.1	D	256.85	159.60	V
2003	2	28	32.932	-80.159	4.3	2.67	2.6	D	256.88	159.62	V
1975	4	28	33	-80.22	10	6.21	3.3	I	256.90	159.63	M
1986	9	17	32.931	-80.159	6.7	4.16	3.3	I	256.94	159.66	M
1991	8	24	32.939	-80.167	2.2	1.37	1.6	D	256.99	159.69	V
1988	1	23	32.931	-80.16	5.2	3.23	1.6	D	257.02	159.70	V
1994	6	19	32.933	-80.162	5	3.11	1	D	257.03	159.71	V

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1981	3	19	32.96	-80.188	5.9	3.67	2.7	I	257.14	159.78	M
1998	4	11	33.042	-80.259	9.7	6.03	1.6	D	257.19	159.81	V
1981	6	8	32.924	-80.156	3	1.86	1.2	D	257.20	159.82	V
1977	3	30	32.95	-80.18	8	4.97	3.5	I	257.21	159.82	M
1989	6	2	32.934	-80.166	5.8	3.60	3.3	I	257.26	159.85	M
2003	10	14	32.946	-80.177	7.2	4.47	2.5	D	257.26	159.85	V
2004	2	29	32.936	-80.168	7.7	4.78	2	D	257.27	159.86	V
2003	12	22	32.924	-80.157	5.6	3.48	3	D	257.28	159.86	V
2003	10	20	32.925	-80.158	7	4.35	1.4	D	257.28	159.87	V
1974	11	22	32.926	-80.159	6	3.73	4.7	P	257.29	159.87	G
2003	12	22	32.929	-80.162	10.2	6.34	1.8	D	257.30	159.88	V
1997	2	15	32.896	-80.131	6.9	4.29	1	D	257.31	159.89	V
2002	3	13	32.919	-80.153	7.6	4.72	2.2	D	257.33	159.89	V
1997	6	3	32.923	-80.157	5.9	3.67	1	D	257.34	159.91	V
2003	3	2	32.931	-80.165	6.5	4.04	2.9	D	257.39	159.93	V
1994	4	14	32.992	-80.221	9.5	5.90	2.4	I	257.50	160.00	M
1997	12	6	32.938	-80.174	6.5	4.04	1.2	D	257.58	160.05	V
1989	6	8	32.926	-80.163	6.1	3.79	1.6	D	257.58	160.05	V
1992	4	18	33.02	-80.246	3	1.86	1	D	257.59	160.06	V
1986	7	22	32.931	-80.168	5.8	3.60	1.3	D	257.61	160.07	V
1979	8	11	32.992	-80.223	10	6.21	2.7	I	257.65	160.10	M
1998	11	26	32.936	-80.174	6.4	3.98	1.5	D	257.71	160.13	V
1991	6	2	32.98	-80.214	5	3.11	3.5	I	257.76	160.16	M
1989	4	22	32.933	-80.172	6.8	4.23	0.7	D	257.77	160.17	V
1994	10	17	32.929	-80.169	5	3.11	1	D	257.82	160.20	V
2002	9	21	32.922	-80.163	8.2	5.10	2	D	257.85	160.22	V
1993	3	11	32.997	-80.23	9.1	5.65	2.4	I	257.85	160.22	M
2003	3	15	32.918	-80.16	5.8	3.60	0.9	D	257.91	160.26	V
1998	5	4	32.932	-80.173	10.5	6.52	2.2	D	257.91	160.26	V
1998	2	6	32.925	-80.167	5.6	3.48	0.9	D	257.94	160.28	V
1998	11	13	32.988	-80.224	12.5	7.77	2	D	257.99	160.31	V
2004	12	7	32.92	-80.163	7	4.35	2.2	D	257.99	160.31	V
2000	9	4	32.923	-80.166	6.3	3.91	1.3	D	258.01	160.32	V
2003	10	28	32.927	-80.17	7.4	4.60	1.7	D	258.03	160.33	V
1998	7	19	32.995	-80.231	11.7	7.27	1.8	D	258.06	160.35	V
1983	11	7	32.934	-80.177	9.1	5.65	1.6	D	258.07	160.36	V
1982	2	1	32.925	-80.169	0.5	0.31	2	D	258.09	160.37	V
1992	11	1	32.962	-80.203	3.7	2.30	1	D	258.12	160.39	V
2002	5	30	32.964	-80.205	10.1	6.28	2	D	258.14	160.40	V
2002	10	1	32.925	-80.17	5.7	3.54	1.1	D	258.16	160.42	V
2003	12	22	32.904	-80.151	6.7	4.16	1.5	D	258.21	160.45	V
1990	12	15	32.931	-80.177	5.4	3.36	0.7	D	258.27	160.48	V
1981	3	26	32.975	-80.217	9.8	6.09	1.4	D	258.31	160.51	V
2004	2	12	32.908	-80.157	9.1	5.65	2	D	258.38	160.55	V

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1974	11	22	32.89	-80.14	10	6.21	2.7	D	258.38	160.55	G
2003	9	24	32.898	-80.148	4.9	3.04	1	D	258.41	160.57	V
1996	10	11	32.916	-80.165	7.3	4.54	0.6	D	258.41	160.57	V
2000	8	6	32.912	-80.162	7.1	4.41	0.6	D	258.47	160.60	V
2003	6	12	32.982	-80.227	10.4	6.46	2.6	D	258.61	160.69	V
2000	12	18	32.95	-80.199	9.5	5.90	1	D	258.62	160.70	V
1983	3	22	32.932	-80.183	8.3	5.16	2	D	258.65	160.72	V
2004	5	8	32.923	-80.175	5.8	3.60	1.9	D	258.67	160.73	V
2003	4	30	32.909	-80.162	6.9	4.29	1.6	D	258.67	160.73	V
1883	9	21	36.1	-79.8			3.5	I	258.80	160.81	M
1990	6	2	32.907	-80.162	8.4	5.22	2.7	I	258.81	160.82	M
1990	2	7	32.908	-80.163	9.3	5.78	2.9	N	258.82	160.82	V
1990	1	7	32.968	-80.218	5.4	3.36	2.7	I	258.85	160.84	M
1991	4	24	32.933	-80.188	9.3	5.78	1.4	D	258.95	160.90	V
1996	10	20	32.901	-80.159	1	0.62	0.5	D	259.01	160.94	V
1997	1	10	32.944	-80.202	2.3	1.43	0.6	D	259.25	161.09	V
1988	11	30	32.964	-80.221	9.2	5.72	1.6	D	259.34	161.14	V
1994	11	1	32.899	-80.162	3	1.86	0.7	D	259.36	161.16	V
2000	10	19	32.969	-80.227	12.3	7.64	2	D	259.46	161.22	V
2000	1	11	32.862	-80.128	2.5	1.55	0.8	D	259.49	161.24	V
1979	10	21	32.92	-80.185	11	6.84	1.6	N	259.61	161.31	V
1998	9	12	32.95	-80.213	11	6.84	1.6	D	259.67	161.35	V
1986	8	17	32.908	-80.175	10.2	6.34	1.7	D	259.70	161.37	V
1984	9	2	32.94	-80.21	7	4.35	2	D	260.11	161.63	V
1981	5	3	32.976	-80.248	13	8.08	1	D	260.58	161.92	V
1998	9	27	32.929	-80.207	8	4.97	0.4	D	260.63	161.95	V
2003	11	18	32.888	-80.169	3.4	2.11	1.1	D	260.64	161.95	V
1994	9	19	32.915	-80.197	3	1.86	0.6	D	260.84	162.08	V
2004	7	20	32.972	-80.248	10.3	6.40	3.1	D	260.84	162.08	V
1997	9	27	32.888	-80.172	5	3.11	0.8	D	260.86	162.09	V
1993	1	7	32.909	-80.196	5.7	3.54	1.3	D	261.17	162.28	V
1996	10	21	33.087	-80.346	18.2	11.31	0.5	D	261.18	162.29	V
1997	10	15	32.947	-80.232	10.4	6.46	0	D	261.29	162.36	V
1989	11	2	32.905	-80.194	6	3.73	1	D	261.30	162.36	V
1972	2	7	33.46	-80.58			3.2	M	261.30	162.36	G
1972	2	7	33.46	-80.58			3.2	M	261.30	162.36	G
1998	9	27	32.919	-80.207	8.8	5.47	0.5	D	261.31	162.37	V
1977	12	15	32.983	-80.265	13.1	8.14	2.5	N	261.41	162.43	G
1977	5	31	32.94	-80.23	12	7.46	2.4	I	261.60	162.55	M
1996	2	25	32.763	-80.057	5	3.11	0.3	D	261.69	162.61	V
1996	9	17	32.82	-80.121	0.1	0.06	0.3	D	261.99	162.79	V
2004	8	13	32.982	-80.276	7	4.35	2.2	D	262.31	162.99	V
1988	5	30	32.918	-80.221	9.7	6.03	1.3	D	262.41	163.05	V
1973	12	19	32.974	-80.274	6	3.73	3	M	262.68	163.22	G

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1988	10	27	32.857	-80.172	7.6	4.72	1	D	263.02	163.43	V
1999	3	20	32.94	-80.252	15.5	9.63	1.5	D	263.25	163.58	V
1979	12	17	33.508	-80.627	1	0.62	1.1	D	263.37	163.65	V
1994	9	20	32.885	-80.207	8.5	5.28	0.6	D	263.63	163.81	V
1993	4	10	32.886	-80.216	5	3.11	1.2	D	264.22	164.18	V
1992	1	18	35.951	-80.081	4.8	2.98	2.1	D	264.63	164.43	V
1988	6	23	32.973	-80.3	6.2	3.85	2	D	264.72	164.49	V
1985	11	7	33.629	-80.7	0.8	0.50	1.9	D	265.27	164.83	V
1994	4	30	32.835	-80.187	3.4	2.11	0.6	D	265.65	165.07	V
1994	5	7	32.965	-80.31	2	1.24	1.8	D	265.99	165.28	V
1995	7	23	32.815	-80.203	9.4	5.84	0.4	D	268.22	166.66	V
1972	2	3	33.306	-80.582	2	1.24	4.5	P	268.48	166.82	G
1967	10	23	32.802	-80.221	19	11.81	3.8	P	270.43	168.04	G
1927	10	27	36.3	-76.2			3.3	I	270.54	168.10	M
1977	9	1	33.408	-80.663	6.2	3.85	1.8	D	270.64	168.17	V
1971	7	31	33.341	-80.631	4	2.49	3.8	N	270.93	168.35	G
1989	2	18	34.376	-80.911	25.1	15.60	1.3	D	271.86	168.92	V
1971	5	19	33.359	-80.655	1	0.62	3.7	N	272.14	169.10	G
1980	7	1	33.38	-80.673	2	1.24	1.6	D	272.72	169.46	V
1977	11	10	33.395	-80.685	0.3	0.19	0.8	D	273.08	169.69	V
1989	1	21	33.391	-80.688	4.3	2.67	1.6	D	273.52	169.95	V
1971	8	11	33.4	-80.7			3.5	N	274.15	170.35	G
1989	8	31	35.738	-80.427	1.7	1.06	1.1	D	274.53	170.58	V
1996	1	13	32.75	-80.229	9.8	6.09	0.5	D	274.72	170.70	V
1972	2	6	33.2	-80.6			2.4	I	275.29	171.06	M
1977	8	25	33.369	-80.698	3.4	2.11	3.3	I	275.34	171.09	M
1977	8	4	33.369	-80.699	9	5.59	3.1	N	275.42	171.14	G
1987	3	16	34.56	-80.948	3	1.86	3.1	D	276.09	171.55	V
1979	10	5	32.782	-80.281	13	8.08	2.1	D	276.18	171.61	V
1987	3	10	34.542	-80.952	0.9	0.56	2.1	D	276.31	171.69	V
2007	5	24	33.864	-80.904	10	6.21	2.4	L	276.88	172.05	G
1987	3	17	34.56	-80.962	2.5	1.55	1.2	D	277.37	172.35	V
1879	12	13	35.2	-80.8			2.7	I	277.72	172.56	M
1879	12	13	35.2	-80.8			3.3	I	277.72	172.56	M
1996	11	2	33.075	-80.547	5	3.11	0	D	277.81	172.63	V
1994	5	4	32.755	-80.285	2	1.24	2.4	I	278.38	172.97	M
2000	7	21	32.786	-80.317	6.7	4.16	1.7	D	278.52	173.06	V
1997	9	1	33.362	-80.732	1.5	0.93	2.3	D	278.54	173.08	V
1977	12	18	32.739	-80.292	6.6	4.10	1.8	D	280.02	173.99	V
1986	10	3	35.805	-80.456	0.2	0.12	2.5	D	280.90	174.55	V
1987	1	27	35.822	-80.446	5	3.11	2.1	D	281.26	174.76	V
1977	12	16	32.737	-80.317	8.1	5.03	2.1	D	281.96	175.20	V
2002	11	11	32.404	-79.936	2.4	1.49	4.4	L	282.62	175.61	G
1977	12	16	32.725	-80.318	7.1	4.41	2.3	D	282.88	175.77	V

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
2006	11	3	36.042	-80.258	2.1	1.30	2.5	L	283.24	175.99	G
1787	11	9	36.1	-80.2			2.7	I	283.74	176.31	M
1811	11	27	36.1	-80.2			3.3	I	283.74	176.31	M
1823	8	23	36.1	-80.2			2.7	I	283.74	176.31	M
1826	11	11	36.1	-80.2			2.7	I	283.74	176.31	M
1834	11	29	36.1	-80.2			2.7	I	283.74	176.31	M
2000	4	7	33.972	-81.006	1	0.62	1.2	D	284.01	176.47	V
1911	2	10	36.6	-79.4			3.3	I	284.52	176.79	M
2003	4	4	33.986	-81.032	0.5	0.31	1.4	D	286.14	177.80	V
2000	4	7	33.944	-81.03	1	0.62	1.8	D	286.69	178.14	V
2003	12	11	33.997	-81.046	1.1	0.68	1.5	D	287.24	178.48	V
2006	10	17	36.074	-80.29	2.4	1.49	2.9	L	287.75	178.80	G
2003	5	8	33.989	-81.053	0.9	0.56	1.5	D	288.01	178.96	V
1879	10	27	34.4	-81.1			2.7	I	289.22	179.71	M
1942	11	1	34.4	-81.1			2.4	I	289.22	179.71	M
2000	4	7	33.939	-81.057	0.8	0.50	1.4	D	289.24	179.72	V
2006	10	18	36.087	-80.308	5	3.11	1.3	C	289.92	180.15	G
2006	10	18	36.101	-80.303	2	1.24	2.8	L	290.62	180.58	G
1986	2	6	33.902	-81.065	0.6	0.37	1.7	D	290.67	180.62	V
2006	10	17	36.102	-80.308	1.2	0.75	1.5	C	291.03	180.84	G
1999	4	5	34.119	-81.109	0.1	0.06	1.5	D	291.37	181.05	V
1998	6	5	35.554	-80.785	9.4	5.84	3.4	D	292.04	181.47	V
2005	2	18	34.05	-81.11	5	3.11	3.1	L	292.30	181.63	G
1964	4	20	33.842	-81.096	3	1.86	3.5	M	294.74	183.15	G
2004	3	29	34.451	-81.164	1.8	1.12	1.6	D	295.21	183.43	V
2004	1	12	34.452	-81.164	2.5	1.55	1.4	D	295.21	183.44	V
1914	6	1	32.8	-80.6			2.7	I	298.70	185.60	M
1914	3	6	34.7	-81.2			2.7	I	300.59	186.78	M
1965	9	9	34.7	-81.2					300.59	186.78	
1965	9	9	34.7	-81.2			3.9	M	300.59	186.78	G
1965	9	10	34.7	-81.2			3	M	300.59	186.78	G
1965	9	12	34.7	-81.2			2.9	M	300.59	186.78	G
1853	5	20	34	-81.2			3.8	I	301.25	187.19	M
1978	1	25	34.295	-81.238	1	0.62	2.6	N	302.00	187.65	G
1855	2	2	37	-78.6			3.9	C	302.64	188.05	M
1994	4	18	34.491	-81.249	3.4	2.11	1.4	D	303.16	188.37	V
1986	10	18	34.954	-81.195	0.8	0.50	2.7	D	304.85	189.42	V
2003	6	27	34.027	-81.256	2.9	1.80	1.4	D	305.97	190.12	V
1981	2	21	33.604	-81.171	1	0.62	2.4	I	307.80	191.26	M
1992	9	20	32.898	-80.81	10.7	6.65	1.4	D	309.00	192.00	V
1906	4	18	34.1	-81.3					309.08	192.05	
2002	4	14	34.338	-81.321	2.1	1.30	2.3	L	309.51	192.32	G
1992	10	29	34.364	-81.34	0.6	0.37	1.8	D	311.23	193.39	V
1982	4	14	34.31	-81.34	2	1.24	2.6	L	311.32	193.44	G

(continued)

Appendix I. Historic Earthquakes Ranked by Distance from the Wilmington Site

Year	Month	Day	Latitude (N)	Longitude (W)	Depth (km)	Depth (mile)	Magnitude	Magnitude Type	Epicentral Distance (km)	Epicentral Distance (mile)	Source
1918	4	19	36.8	-76.3			3.1	C	312.57	194.22	M
1992	10	2	33.499	-81.202	3	1.86	2.4	D	313.97	195.09	V
1992	7	13	33.495	-81.214	0.1	0.06	1.9	D	315.17	195.84	V
2004	2	2	34.436	-81.396	2.8	1.74	0.3	D	316.43	196.62	V
1982	5	7	34.43	-81.4	0	0.00	2.7	I	316.79	196.84	M
1899	12	19	34.3	-81.4			2.7	I	316.86	196.88	M
1973	3	28	34.3	-81.4					316.86	196.88	
1973	3	29	34.3	-81.4					316.86	196.88	
1973	3	29	34.3	-81.4					316.86	196.88	
1973	3	29	34.3	-81.4					316.86	196.88	
1993	6	29	33.465	-81.245	4.3	2.67	2.2	D	318.94	198.18	V
1873	10	3	37.2	-78.2			3.6	C	319.93	198.79	M
1897	5	6	33.3	-81.2					321.33	199.67	
1897	5	24	33.3	-81.2					321.33	199.67	
1897	5	27	33.3	-81.2					321.33	199.67	

Notes:

Epicentral Distance: Epicentral distance (in km or mi) between the epicenter and a (recording) station

Magnitude Type Codes (SEUSSN, 2008):

C - mb from intensity and felt area

D - Md from duration or coda length

F - mb from felt area or attenuation data

I - mb from intensity data

L - ML

M - mb determined from modified instruments/formuli

N - mb from Lg wave data

P - mb from P wave data

References:

G - Stover et al., 1984

M - Sibol et al., 1987

V - SEUSSN, 2008

Appendix J

The EDR Radius Atlas™

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EDR® Environmental
Data Resources Inc

The EDR Radius Atlas™

**GLE Wilmington
3902 Castle Hayne Rd
Wilmington, NC 28429**

Inquiry Number: 01977396.1r

July 12, 2007

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

3902 CASTLE HAYNE RD
WILMINGTON, NC 28429

COORDINATES

Latitude (North): 34.334000 - 34° 20' 2.4"
Longitude (West): 77.946000 - 77° 56' 45.6"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 228962.8
UTM Y (Meters): 3802926.8
Elevation: 24 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 34077-C8 CASTLE HAYNE, NC
Most Recent Revision: 2000

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

Delisted NPL..... National Priority List Deletions
NPL LIENS..... Federal Superfund Liens
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
US BROWNFIELDS..... A Listing of Brownfields Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
UMTRA..... Uranium Mill Tailings Sites
ODI..... Open Dump Inventory

EXECUTIVE SUMMARY

TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
LUCIS	Land Use Control Information System
DOT OPS	Incident and Accident Data
US CDL	Clandestine Drug Labs
RADINFO	Radiation Information Database
LIENS 2	CERCLA Lien Information
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File

STATE AND LOCAL RECORDS

OLI	Old Landfill Inventory
AST	AST Database
INST CONTROL	No Further Action Sites With Land Use Restrictions Monitoring
VCP	Responsible Party Voluntary Action Sites
DRYCLEANERS	Drycleaning Sites
BROWNFIELDS	Brownfields Projects Inventory

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 04/20/2007 has revealed that there is 1 NPL site within approximately 4 miles of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>REASOR CHEMICAL COMPANY</i>	<i>NC 132</i>	<i>>2 ENE</i>	<i>109</i>	<i>178</i>

Proposed NPL: Proposed NPL sites . The source of this database is the U.S. EPA.

A review of the Proposed NPL list, as provided by EDR, and dated 04/20/2007 has revealed that there is 1 Proposed NPL site within approximately 4 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>REASOR CHEMICAL COMPANY</i>	<i>NC 132</i>	<i>>2 ENE</i>	<i>109</i>	<i>178</i>

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 02/27/2007 has revealed that there are 5 CERCLIS sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>NORTHEAST CHEMICAL COMPANY SIT</i>	<i>2600 U.S. HIGHWAY 421 N</i>	<i>>2 SSW</i>	<i>AC154</i>	<i>266</i>
<i>V.C. CHEMICAL-ALMONT WORKS</i>	<i>2400 U.S. HIGHWAY 421 N</i>	<i>>2 SSW</i>	<i>AG176</i>	<i>295</i>
<i>PROGRESS ENERGY- L V SUTTON PL</i>	<i>801 SUTTON STEAM PLANT</i>	<i>>2 SSW</i>	<i>AL195</i>	<i>327</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>INVISTA</i>	<i>4600 4600 HWY 421 N</i>	<i>>2 WSW</i>	<i>E40</i>	<i>69</i>
<i>REASOR CHEMICAL COMPANY</i>	<i>NC 132</i>	<i>>2 ENE</i>	<i>109</i>	<i>178</i>

CERCLIS-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 03/21/2007 has revealed that there are 2 CERC-NFRAP sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>DIAMOND SHAMROCK MARTIN-MARIET</i>	<i>OFF STATE RD 1002</i>	<i>1 - 2 ESE</i>	<i>B4</i>	<i>39</i>
<i>CHEMICAL LEAMAN TANK LINES INC</i>	<i>120 COWPEN LANDING RD</i>	<i>>2 SW</i>	<i>AB148</i>	<i>259</i>

EXECUTIVE SUMMARY

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 3 RCRA-LQG sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RAMPAGE SPORT FISHING YACHTS	100 QUALITY DRIVE	>2 SE	57	93
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
INVISTA	4600 4600 HWY 421 N	>2 WSW	E40	69
DEL LABORATORIES INCORPORATED	1830 CARVER DRIVE	>2 NNE	Z140	241

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 18 RCRA-SQG sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MARTIN MARIETTA CASTLE HAYNE Q	COUNTY ROAD 1002 E	1 - 2 ESE	B3	38
DIAMOND SHAMROCK MARTIN-MARIET	OFF STATE RD 1002	1 - 2 ESE	B4	39
CASTLE HAYNE CEMENT CORP	110 CROWATAN DR	>2 E	F43	76
BASF CORPORATION	101 VITAMIN DRIVE	>2 W	AA145	250
CHEMICAL LEAMAN TANK LINES INC	120 COWPEN LANDING RD	>2 SW	AB148	259
APPLIED ANALYTICAL INDUSTRIES	3924 N KERR AVE	>2 SSE	152	265
TRIPLE "T" PARTS & EQUIP	2715 HWY 421 N	>2 SSW	AC153	265
FAST FARE NC 733	2540 CASTLE HAYNE RD	>2 SSE	AH167	280
PROGRESS ENERGY- L V SUTTON PL	801 SUTTON STEAM PLANT	>2 SSW	AL195	327
HILCO TRANSPORT INC	100 EXPORT LANE	>2 SE	AM198	337
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SOUTHEAST RESPONSE AND REMEDIA	4920 HIGHWAY 421 NORTH	>2 WSW	64	105
WILMINGTON DIV APAC-CAROLINA	4901 N COLLEGE RD	>2 ENE	K66	110
TRIPLE T	3401 HWY 421 N	>2 SW	Q82	129
SOUTH ATLANTIC SERVICES INC	US HWY 421 N	>2 SSW	V113	193

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CAROLINA SPECIALIZED TRANSPORT</i>	<i>3301 HWY 421 N</i>	<i>>2</i>	<i>SSW W127</i>	<i>222</i>
<i>TIDEWATER TRANSIT CO INC</i>	<i>3305 FREDRICKSON RD</i>	<i>>2</i>	<i>SSW AF173</i>	<i>292</i>
<i>FREDRICKSON MOTOR EXPRESS CORP</i>	<i>234 SUTTON STEAM PLANT</i>	<i>>2</i>	<i>SSW AR214</i>	<i>352</i>
<i>NOBLE OIL SERVICES WILMINGTON</i>	<i>208 SUTTON STEAM PLANT</i>	<i>>2</i>	<i>SSW AR217</i>	<i>355</i>

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2006 has revealed that there are 33 ERNS sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
201 GOFF DR	201 GOFF DR	1 - 2 E	12	55
101 VIATAMIN DR	101 VIATAMIN DR	>2 W	AA146	258
101 TAKEDA DRIVE	101 TAKEDA DRIVE	>2 W	AA147	259
1 TAKEDA DR	1 TAKEDA DR	>2 W	151	265
SUTTON STEAM ELECTRIC PLANT 80	SUTTON STEAM ELECTRIC P	>2 SSW	AL190	318
801 SUTTON STEAM PLANT RD	801 SUTTON STEAM PLANT	>2 SSW	AL191	318
801 SUTTON STEAM PLANT RD	801 SUTTON STEAM PLANT	>2 SSW	AL192	318
2200 US HWY 421 NORTH	2200 US HWY 421 NORTH	>2 SSW	AQ213	352

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E15	56
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E16	56
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E17	57
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E18	57
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E19	57
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E20	57
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E21	57
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E22	57
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E23	58
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E24	58
4600 HIGHWAY 421 NORTH	4600 HIGHWAY 421 NORTH	>2	WSW E28	59
10472 ROAD OLD NORTHWEST	10472 ROAD OLD NORTHWES	>2	WSW E29	59
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E30	60
4600 HWY 421 N	4600 HWY 421 N	>2	WSW E31	60
4600 HWY 421 N	4600 HWY 421 N	>2	WSW E32	60
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E33	60
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E36	69
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E37	69
4600 HWY 421 NORTH	4600 HWY 421 NORTH	>2	WSW E38	69
4600 HIGHWAY 421 NORTH	4600 HIGHWAY 421 NORTH	>2	WSW E39	69
4600 HWY 421 N	4600 HWY 421 N	>2	WSW E41	76
109 CASTLE COVE LANE	109 CASTLE COVE LANE	>2	ENE 55	91
HIGHWAY 421 NORTH 5 MILES NORT	HIGHWAY 421 NORTH 5 MIL	>2	SW 90	146
3002 US HWY 421 NORTH	3002 US HWY 421 NORTH	>2	SSW V115	195
1830 CARVER DR.	1830 CARVER DR.	>2	NNE Z142	246

EXECUTIVE SUMMARY

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 03/05/2007 has revealed that there is 1 HMIRS site within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	326 HERMITAGE RD	>2 ESE	48	84

ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 04/20/2007 has revealed that there is 1 US ENG CONTROLS site within approximately 4 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
REASOR CHEMICAL COMPANY	NC 132	>2 ENE	109	178

INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 04/20/2007 has revealed that there is 1 US INST CONTROL site within approximately 4 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
REASOR CHEMICAL COMPANY	NC 132	>2 ENE	109	178

RODS: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 03/27/2007 has revealed that there is 1 ROD site within approximately 4 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
REASOR CHEMICAL COMPANY	NC 132	>2 ENE	109	178

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/2005 has revealed that there are 4 TRIS sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CAROLINA POWER & LIGHT CO LV S	801 SUTTON STEAM PLANT	>2 SSW	AL193	318
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FORTRON INDUSTRIES	4600 HWY 421 N	>2 WSW	E27	59
INVISTA	4600 4600 HWY 421 N	>2 WSW	E40	69

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DEL LABORATORIES INC	1830 CARVER DR	>2 NNE	Z141	246

FTTS: FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS list, as provided by EDR, and dated 04/13/2007 has revealed that there is 1 FTTS site within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SIGMA RECYCLING LLC	2200 US HIGHWAY 421 NOR	>2 SSW	AQ211	350

ICIS: The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

A review of the ICIS list, as provided by EDR, and dated 02/21/2007 has revealed that there are 4 ICIS sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BASF CORPORATION	101 VITAMIN DRIVE	>2 W	AA144	246
CAROLINA POWER AND LIGHT L V S	801 SUTTON STEAM PLANT	>2 SSW	AL194	318
CREEKSIDE ESTATES MHP WATER SY	264 GOOSE NECK ROAD, W	>2 NE	201	339
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DEL LABORATORIES	1830 CARVER DRIVE	>2 NNE	AD158	269

HIST FTTS: A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

A review of the HIST FTTS list, as provided by EDR, and dated 10/19/2006 has revealed that there is 1 HIST FTTS site within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SIGMA RECYCLING LLC	2200 US HIGHWAY 421 NOR	>2 SSW	AQ211	350

EXECUTIVE SUMMARY

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/12/2007 has revealed that there are 83 FINDS sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GE CO.	3901 CASTLE HAYNE RD. N	1 - 2 SE	A1	30
MARTIN MARIETTA CASTLE HAYNE Q	COUNTY ROAD 1002 E	1 - 2 ESE	B3	38
DIAMOND SHAMROCK MARTIN-MARIET	OFF STATE RD 1002	1 - 2 ESE	B4	39
HORTICULTURAL CROPS RESEARCH	3800 CASTLE HAYNE ROAD	1 - 2 ESE	C7	43
CROWN NC-733	3540 CASTLE HAYNE ROAD	1 - 2 SE	11	55
ST STANISLAUS CATHOLIC CHURCH	4849 CASTLE HAYNE ROAD	>2 E	42	76
CASTLE HAYNE CEMENT CORP	110 CROWATAN DR	>2 E	F43	76
OAKLEY MHP	2206 OAKLEY ROAD	>2 SSE	47	84
DOUBLE R INCORPORATED	310 CHESTERFIELD ROAD	>2 ESE	51	87
CASTLE HAYNE PARK	4700 OLD AVENUE	>2 E	52	87
THE PANTRY #444	3053 CASTLE HAYNE ROAD	>2 SSE	I53	87
RAMPAGE SPORT FISHING YACHTS	100 QUALITY DRIVE	>2 SE	57	93
NORTH COLLEGE PLAZA	5212 NORTH COLLEGE ROAD	>2 ENE	J63	104
J T RITTER MILL WORK	2913 CASTLE HAYNE ROAD	>2 SSE	L72	121
WRIGHTSBORO ELEMENTARY SCHOOL	2716 CASTLE HAYNE RD	>2 SSE	U111	191
NEW HANOVER REG JUVENILE CENTE	3830 JUVENILE CENTER RO	>2 ESE	117	196
CONOCO, INCORPORATED	2636 CASTLE HAYNE ROAD	>2 SSE	U125	221
SIMMONS HEIGHTS APARTMENTS	4100 PARMELE ROAD	>2 E	X129	225
PEARSALL S LANDING	479 BLOSSOM FERRY ROAD	>2 ENE	Y130	225
ASHCO CO INCORPORATED	4505 NORTH COLLEGE ROAD	>2 E	X138	240
BASF CORPORATION	101 VITAMIN DRIVE	>2 W	AA145	250
CHEMICAL LEAMAN TANK LINES INC	120 COWPEN LANDING RD	>2 SW	AB148	259
APPLIED ANALYTICAL INDUSTRIES	3924 N KERR AVE	>2 SSE	152	265
TRIPLE "T" PARTS & EQUIP	2715 HWY 421 N	>2 SSW	AC153	265
KOCH SULFUR PRODUCTS COMPANY	2600 US HIGHWAY 421 NOR	>2 SSW	AC155	268
KOCH SULFUR PRODUCTS, INCORPOR	2600 US HIGHWAY 421 NOR	>2 SSW	AC156	268
NORTH WILMINGTON COMMUNITY CHU	2907 BLUE CLAY ROAD	>2 SE	AE162	277
EAGLE ISLAND FRUIT AND SEAFOOD	2500 US HIGHWAY 421	>2 SSW	AG164	278
BURGER KING #7618	2549 CASTLE HAYNE ROAD	>2 SSE	AH165	279
FAST FARE NC 733	2540 CASTLE HAYNE RD	>2 SSE	AH167	280
MCDONALD S #13382	2541 CASTLE HAYNE ROAD	>2 SSE	AH170	291
CROWN CENTRAL PETROLEUM-NC/733	2540 CASTLE HAYNE RD	>2 SSE	AH171	291
WRIGHTSBORO CENTER	2535 CASTLE HAYNE ROAD	>2 SSE	AH172	292
INTERNATIONAL PAPER CO	4409 HOLLY SHELTER ROAD	>2 ENE	175	295
V.C. CHEMICAL-ALMONT WORKS	2400 U.S. HIGHWAY 421 N	>2 SSW	AG176	295
WRIGHTSBORO VOL. FIRE DEPARTME	3515 NORTH KERR AVENUE	>2 SE	AK183	308
PEARL S SEAFOOD RESTAURANT	3500 NORTH KERR AVENUE	>2 SE	AK186	314
SEEGARS FENCE CO. INC-WILMING	2705 BLUE CLAY ROAD	>2 SSE	AJ187	314
PROGRESS ENERGY- L V SUTTON PL	801 SUTTON STEAM PLANT	>2 SSW	AL195	327
HILCO TRANSPORT INC	100 EXPORT LANE	>2 SE	AM198	337
TIDEWATER FUELS INCORPORATED	100 EXPORT LANE P.O. BO	>2 SE	AM199	337
LGS LEONARD H LONG	2217 CASTLE HAYNE ROAD	>2 SSE	AO206	345
CASTLE HAYNE-DOT	5430 BARBADOS BOULEVARD	>2 ENE	AP207	345
WRIGHTSBORO UMC	3300 NORTH KERR AVENUE	>2 SE	210	350
PTC OF MOUNT AIRY INCORPORATED	2102 US HWY 421-N	>2 SSW	AQ215	353

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
VISION SOFTWARE	5601 BARBADOS BOULEVARD	>2 ENE	218	355
CAPE FEAR OPTIMIST PARK	3222 NORTH KERR AVENUE	>2 SE	219	356
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HERMITAGE HOUSE REST HOME	4724 CASTLE HAYNE ROAD	>2 E	D13	55
INVISTA S.A.R.L.	4600 HIGHWAY 421 NORTH	>2 WSW	E25	58
ARTEVA SPECIALTIES, S.A.R.L.	4600 US HIGHWAY 421 NOR	>2 WSW	E26	58
INVISTA	4600 4600 HWY 421 N	>2 WSW	E40	69
LOBO S CORNER	5219 NORTH COLLEGE ROAD	>2 ENE	J60	101
SOUTHEAST RESPONSE AND REMEDIA	4920 HIGHWAY 421 NORTH	>2 WSW	64	105
WILMINGTON DIV APAC-CAROLINA	4901 N COLLEGE RD	>2 ENE	K66	110
APAC CAROLINA INCORPORATED CAS	4909 NORTH COLLEGE ROAD	>2 ENE	K67	111
JUNG S EGGROLL EXPRESS	5319 CASTLE HAYNE ROAD	>2 ENE	M70	114
MATERIAL SALVAGE AND RECYCLING	3612 HIGHWAY 421 NORTH	>2 SW	N73	122
WILMINGTON MATERIALS	3612 US HIGHWAY 421 NOR	>2 SW	N76	125
NEW HANOVER COUNTY	5210 US HIGHWAY 421 NOR	>2 WSW	O77	126
LANDFILL WWTP	5210 US HIGHWAY 421 NOR	>2 WSW	O78	126
READY MIXED CONCRETE COMPANY -	5125 HIGHWAY 421 NORTH	>2 WSW	80	129
CAROLINA OMELET HOUSE	5512 CASTLE HAYNE ROAD	>2 ENE	P81	129
TRIPLE T	3401 HWY 421 N	>2 SW	Q82	129
CASTLE HAYNE SHOPPING CENTER	5601 CASTLE HAYNE ROAD	>2 ENE	P84	134
HARDEE S #1329	5601 CASTLE HAYNE ROAD	>2 ENE	P85	135
GOGAS #7	5604 CASTLE HAYNE ROAD	>2 ENE	P87	141
ATLANTIC MACK SALES. INCORPORA	3401 US HIGHWAY 421 NOR	>2 SW	Q91	146
THE PANTRY #915	5717 CASTLE HAYNE ROAD	>2 ENE	R98	160
MCCLURE PRESBYTERIAN PRE-SCH	5908 CASTLE HAYNE ROAD	>2 ENE	105	173
SHADY HAVEN MHP	4307 PARMELE ROAD	>2 E	108	177
REASOR CHEMICAL COMPANY	NC 132	>2 ENE	109	178
SOUTH ATLANTIC SERVICES INC	US HWY 421 N	>2 SSW	V113	193
CAROLINA SPECIALIZED TRANSPORT	3301 HWY 421 N	>2 SSW	W127	222
EZZELL TRUCKING-N HANOVER	235 SUTTON LAKE ROAD	>2 SSW	133	228
ATLANTIC SCRAP AND PROCESSING	2830 US HWY 421 N	>2 SSW	W134	228
RIVER S EDGE LOUNGE	6303 CASTLE HAYNE ROAD	>2 NE	136	231
DEL LABORATORIES INCORPORATED	1830 CARVER DRIVE	>2 NNE	Z140	241
RIVERSIDE PARK	6710 OLD BRIDGE SITE RO	>2 NE	143	246
TIDEWATER TRANSIT CO INC	3305 FREDRICKSON RD	>2 SSW	AF173	292
SOUTHEASTERN PET CREMATION	203 BEVAL ROAD	>2 SSW	A1179	305
CREEKSIDE ESTATES MHP WATER SY	264 GOOSE NECK ROAD, W	>2 NE	180	306
FREDRICKSON MOTOR EXPRESS CORP	234 SUTTON STEAM PLANT	>2 SSW	AR214	352
NOBLE OIL SERVICES WILMINGTON	208 SUTTON STEAM PLANT	>2 SSW	AR217	355

RAATS: The RCRA Administration Action Tracking System contains records based on enforcement actions issued under RCRA and pertaining to major violators. It includes administrative and civil actions brought by the United States Environmental Protection Agency. The source of this database is the U.S. EPA.

A review of the RAATS list, as provided by EDR, and dated 04/17/1995 has revealed that there is 1 RAATS site within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DIAMOND SHAMROCK MARTIN-MARIET	OFF STATE RD 1002	1 - 2 ESE	B4	39

EXECUTIVE SUMMARY

STATE AND LOCAL RECORDS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environment & Natural Resources' Inactive Hazardous Sites Program.

A review of the SHWS list, as provided by EDR, and dated 04/20/2007 has revealed that there are 3 SHWS sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHEMICAL LEAMAN TANK LINES, IN	120 COWPEN LANDING	>2 WNW	178	305
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HERCOFINA/CAPE INDUSTRIES	HWY 421 N	>2 WSW	G46	83
CHEMICAL LEAMAN	120 COWPEN LANDING	>2 SW	AB150	262

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there are 50 IMD sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GENERAL ELECTRIC COMPANY	US 117 NORTH CASTLE HAY	1 - 2 SE	A2	31
SOUTH EAST FOREST PRODUCTS	2332 CHAIR ROAD	1 - 2 SE	6	42
ROBINSONS CAR CARE	4332 CASTLE HAYNE ROAD	1 - 2 E	9	49
R.W. MOORE EQUIPMENT CO., INC.	113 CROATAN RD.	>2 E	F44	77
DILLMAN PROPERTY	2401 OAKLEY ROAD	>2 SSE	H49	84
SPICER PROPERTY (MARVIN)	2923 CASTLE HAYNE ROAD	>2 SSE	L69	112
CROOM RESIDENCE	103 WHITMAN AVE.	>2 SSE	89	142
CHAMBLEE RESIDENCE	128 WHITMAN AVE.	>2 SSE	94	149
WINDSAIL WATER SUPPLY WELL(SEE	2709 CASTLE HAYNE RD	>2 SSE	U112	191
WRIGHTSBORO FOOD MART	2636 CASTLE HAYNE RD.	>2 SSE	U124	213
LP IV C/O MIDWEST FIRST FINANC	140 LONG LEAF DRIVE	>2 SSE	135	228
ANSCO & ASSOCIATES, INC.	2929 BLUE CLAY RD.	>2 SE	AE159	271
TOLEDO CAROLINA	2915 BLUE CLAY ROAD	>2 SE	AE161	275
COASTAL POWER AND ELECTRIC	208 TRANSCOM COURT	>2 SSW	AF163	277
FAST FARE NC 733	2540 CASTLE HAYNE RD	>2 SSE	AH167	280
PCS NITROGEN, FMRLY ARCADIAN	2830 HWY 421 NORTH	>2 SSW	177	297
WRIGHTSBORO VOL. FIRE DEPT	3515 N KERR AVE.	>2 SE	AK184	308
SEEGARS FENCE CO.	2705 BLUE CLAY RD.	>2 SSE	AJ188	315
TIDEWATER FUELS INC	100 EXPORT LN PO BOX 44	>2 SE	AM197	335
PANTRY #450	3702 HWY 132 N.	>2 ESE	204	342
CORBETT FARMING COMPANY	2501 BLUE CLAY ROAD	>2 SSE	AN209	348
WILMINGTON RESOURCES	2200 US HWY 421 N	>2 SSW	AQ212	351
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HOECHST CELANESE -SPRAY FIELD	4600 HWY 421 NORTH	>2 WSW	E34	60
HOECHST CELANESE - #6 SPILL (C	4600 HWY. 421 NORTH	>2 WSW	E35	68
INVISTA	4600 4600 HWY 421 N	>2 WSW	E40	69
BURTON PROPERTY UST	102 RITTER DR.	>2 SSE	56	91
KOSA	460 HWY 421 NORTH	>2 WSW	58	95

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PRAXAIR, INC.	4832 HWY 421	>2	WSW 61	101
HANOVER CLOCKS	5316 HWY. 421 NORTH	>2	W 62	103
BEST BAIT & TACKLE	5400 CASTLE HAYNE RD.	>2	ENE M74	122
TRIPLE T	3401 HWY 421 N	>2	SW Q82	129
MARY BLANCHARD OIL SPILL	6104 SYCAMORE AVENUE	>2	ENE R93	148
JANICKI'S TWIN STATE	5712 CASTLE HAYNE ROAD	>2	ENE S95	152
TWIN STATE EXXON	5712 CASTLE HAYNE RD	>2	ENE S96	154
THE PANTRY 915 DBA SPRINT	5717 CASTLE HAYNE ROAD	>2	ENE R97	156
RAINBOW MOTEL	5718 CASTLE HAYNE RD	>2	ENE R99	160
FUTURE PANTRY LOCATION	5719 CASTLE HAYNE RD	>2	ENE R100	163
WILMINGTON AUTO SALVAGE	4614 NORTH COLEGE ROAD	>2	E 102	168
KENAN TRANSPORT CO.	3201 US HWY 421 NORTH	>2	SSW T103	169
KENAN TRANSPORT DIESEL UST	3201 US HWY 421 NORTH	>2	SSW T104	171
SOUTHERN BELL TELECOMMUNICATIO	5915 ORANGE STREET	>2	ENE 106	173
NEW HANOVER COUNTY WASTEC	3002 US HWY 421 NORTH	>2	SSW V114	194
HORTON IRON & METAL COMPANY	HWY 421 NORTH	>2	SSW V119	197
BRUCE'S DRIVE IN	HIGHWAY 421 NORTH	>2	SSW V122	208
DEL LABORATORIES	1830 CARVER ROAD	>2	NNE Z139	240
CHEMICAL LEAMAN	120 COWPEN LANDING	>2	SW AB150	262
FREDRICKSON MOTOR EXPRESS	3327 FREDRICKSON RD.	>2	SSW AF160	273
TIDEWATER TRANSIT	3305 FREDRICKSON RD.	>2	SSW AF174	293
JOHN MILLER CONSTRUCTION SITE	3 SOUTHPOINT ROAD	>2	NNE 200	338
COOPER-KENWORTH WASTE OIL RELE	208 SUTTON STEAM PLANT	>2	SSW AR216	354

HSDS: The Hazardous Substance Disposal Sites list contains locations of uncontrolled and unregulated hazardous waste sites. The file contains sites on the national priority list as well as the state priority list. The data source is the North Carolina Center for Geographic Information and Analysis.

A review of the NC HSDS list, as provided by EDR, and dated 04/06/2006 has revealed that there are 4 NC HSDS sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GENL ELEC CO		1/2 - 1	SE 0	30
HERCOFINA		>2	WSW 0	30
REASOR CHEMICAL COMPANY		>2	E 0	30
CHEMICAL LEAMAN TANK LINES INC		>2	WNW 0	30

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environment & Natural Resources' List of Solid Waste Facility Contacts in Alpha Order.

A review of the SWF/LF list, as provided by EDR, and dated 04/24/2007 has revealed that there are 5 SWF/LF sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHARLES BLYTHE EQUIPMENT	3415 BLUE CLAY ROAD	>2	SE 110	190
BLUE CLAY ROAD LANDFILL	4129 BLUE CLAY ROAD	>2	ESE 149	262
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NEW HANOVER COUNTY LANDFILL	US 421 NORTH	>2	W 83	134
NEW HANOVER WASTE-TO-ENERGY FA	3002 US 421 NORTH	>2	SSW V116	195

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HORTON IRON & METAL COMPANY	HWY 421 NORTH	>2 SSW	V119	197

HIST LF: A listing of solid waste facilities.

A review of the HIST LF list, as provided by EDR, and dated 11/06/2006 has revealed that there are 5 HIST LF sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHARLES BLYTHE EQUIPMENT	3415 BLUE CLAY ROAD	>2 SE	110	190
BLUE CLAY ROAD LANDFILL	4129 BLUE CLAY ROAD	>2 ESE	149	262

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NEW HANOVER COUNTY LANDFILL	US 421 NORTH	>2 W	83	134
NEW HANOVER WASTE-TO-ENERGY FA	3002 US 421 NORTH	>2 SSW	V116	195
HORTON IRON & METAL COMPANY	HWY 421 NORTH	>2 SSW	V119	197

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 06/01/2007 has revealed that there are 32 LUST sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GENERAL ELECTRIC COMPANY	US 117 NORTH CASTLE HAY	1 - 2 SE	A2	31
R.W. MOORE EQUIPMENT CO., INC.	113 CROATAN RD.	>2 E	F44	77
DILLMAN PROPERTY	2401 OAKLEY ROAD	>2 SSE	H49	84
SPICER PROPERTY (MARVIN)	2923 CASTLE HAYNE ROAD	>2 SSE	L69	112
CROOM RESIDENCE	103 WHITMAN AVE.	>2 SSE	89	142
CHAMBLEE RESIDENCE	128 WHITMAN AVE.	>2 SSE	94	149
WINDSAIL WATER SUPPLY WELL(SEE	2709 CASTLE HAYNE RD	>2 SSE	U112	191
WRIGHTSBORO FOOD MART	2636 CASTLE HAYNE RD.	>2 SSE	U124	213
RIVERQUEST/PEARSALL LANDING	479 BLOSSOMS FERRY	>2 ENE	Y132	227
LP IV C/O MIDWEST FIRST FINANC	140 LONG LEAF DRIVE	>2 SSE	135	228
ANSCO & ASSOCIATES, INC.	2929 BLUE CLAY RD.	>2 SE	AE159	271
TOLEDO CAROLINA	2915 BLUE CLAY ROAD	>2 SE	AE161	275
FAST FARE NC 733	2540 CASTLE HAYNE RD	>2 SSE	AH167	280
WRIGHTSBORO VOL. FIRE DEPT	3515 N KERR AVE.	>2 SE	AK184	308
SEEGARS FENCE CO.	2705 BLUE CLAY RD.	>2 SSE	AJ188	315
PANTRY #450	3702 HWY 132 N.	>2 ESE	204	342
CORBETT FARMING COMPANY	2501 BLUE CLAY ROAD	>2 SSE	AN209	348

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BURTON PROPERTY UST	102 RITTER DR.	>2 SSE	56	91
BEST BAIT & TACKLE	5400 CASTLE HAYNE RD.	>2 ENE	M74	122
TRIPLE T	3401 HWY 421 N	>2 SW	Q82	129
JANICKI'S TWIN STATE	5712 CASTLE HAYNE ROAD	>2 ENE	S95	152
TWIN STATE EXXON	5712 CASTLE HAYNE RD	>2 ENE	S96	154
THE PANTRY 915 DBA SPRINT	5717 CASTLE HAYNE ROAD	>2 ENE	R97	156
RAINBOW MOTEL	5718 CASTLE HAYNE RD	>2 ENE	R99	160

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FUTURE PANTRY LOCATION	5719 CASTLE HAYNE RD	>2	ENE R100	163
KENAN TRANSPORT CO.	3201 US HWY 421 NORTH	>2	SSW T103	169
KENAN TRANSPORT DIESEL UST	3201 US HWY 421 NORTH	>2	SSW T104	171
SOUTHERN BELL TELECOMMUNICATIO	5915 ORANGE STREET	>2	ENE 106	173
BRUCE'S DRIVE IN	HIGHWAY 421 NORTH	>2	SSW V122	208
CHEMICAL LEAMAN	120 COWPEN LANDING	>2	SW AB150	262
FREDRICKSON MOTOR EXPRESS	3327 FREDRICKSON RD.	>2	SSW AF160	273
TIDEWATER TRANSIT	3305 FREDRICKSON RD.	>2	SSW AF174	293

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 05/04/2007 has revealed that there are 9 LUST TRUST sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DILLMAN PROPERTY	2401 OAKLEY RD	>2	SSE H50	86
SPICER PROPERTY	2923 CASTLE HAYNE ROAD	>2	SSE L68	111
CROOM RESIDENCE	103 WHITMAN AVE.	>2	SSE 89	142
CHAMBLEE RESIDENCE	128 WHITMAN AVE.	>2	SSE 94	149
CONOCO STORE #33051	2636 CASTLE HAYNE RD	>2	SSE U126	222
LP IV C/O MIDWEST FIRST FINANC	140 LONG LEAF DRIVE	>2	SSE 135	228
CROWN NC #733	2540 CASTLE HAYNE RD	>2	SSE AH169	291
WRIGHTSBORO VOL FIRE DEPT	3525 N. KERR AVENUE	>2	SE AK182	307
PANTRY #450	3702 HWY 132 N.	>2	ESE 204	342

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 05/25/2007 has revealed that there are 36 UST sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GENERAL ELECTRIC COMPANY	US 117 NORTH CASTLE HAY	1 - 2	SE A2	31
INTERNATIONAL PAPER COMPANY	ROUTE 3, BOX 1884	1 - 2	ESE B5	41
HORTICULTURAL CROPS RESEARCH	3800 CASTLE HAYNE RD.	1 - 2	ESE C8	43
R.W. MOORE EQUIPMENT CO.	NORTHSIDE INDUSTRIAL PA	1 - 2	ESE 10	51
THE PANTRY 444	3052 CASTLE HAYNE RD.	>2	SSE I54	88
CHEMICAL LEAMAN TANK LINES.IN	65 HWY 421 & 120 COWPEN	>2	SW 107	175
WRIGHTSBORO FOOD MART	2636 CASTLE HAYNE RD.	>2	SSE U124	213
PEARSALL'S LANDING	479 BLOSSOM FERRY RD.	>2	ENE Y131	225
ASHWORTH	4505 NORTH COLLEGE ROAD	>2	E X137	231
FAST FARE NC 733	2540 CASTLE HAYNE RD	>2	SSE AH167	280
ANSCO & ASSOCIATES. INC.	BLUECLAY ROAD	>2	SE 168	288
THE RAPAIR CENTER	RT 6 BOX 72 A, N. KERR	>2	SSE AJ181	306
WRIGHTSBORO VOL. FIRE DEPT	3515 N KERR AVE.	>2	SE AK184	308
SEEGARS FENCE CO. INC-WILMING	2705 BLUE CLAY ROAD	>2	SSE AJ189	317
TIDEWATER FUELS INC	100 EXPORT LN PO BOX 44	>2	SE AM197	335
TOLEDO CAROLINA INC	PO BOX 1763	>2	SSE AN202	339
LGS LEONARD H LONG	2217 CASTLE HAYNE RD	>2	SSE AO205	344
NC DOT - CASTLE HAYNE	5430 BARBADOS BLVD	>2	ENE AP208	346

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CAPE INDUSTRIES	P.O. BOX 327 HWY 421 N.	>2	WSW G45	80
MINUTE SHOP	5219 NORTH COLLEGE ROAD	>2	ENE J59	96
ROY'S BAIT AND TACKLE SHOP	3821-A HWY 421N	>2	SW 65	105
BEST BAIT & TACKLE	HWY 117 AND ASH ST	>2	ENE M71	114
AMERICAN PROPERTY INVESTORES V	HIGHWAY 421 NORTH	>2	WSW 75	124
NEW HANOVER CO. SECURE LANDFI	5210 HWY 421 NORTH	>2	WSW O79	127
GOGAS 7	5604 CASTLE HAYNE ROAD	>2	ENE P86	135
WASTE INDUSTRIES. INC.	3618 HIGHWAY 421 NORTH	>2	SW N88	141
ATLANTIC MACK SALES. INC.	3401 U.S. HIGHWAY 421 N	>2	SW Q92	146
THE PANTRY 915 DBA SPRINT	5717 CASTLE HAYNE ROAD	>2	ENE R97	156
PANTRY 484	5800 CASTLE HAYNE RD	>2	ENE R101	165
CUMMINS ATLANTIC INC	HWY 421 N	>2	SSW V118	196
ARCADIAN CORP.	P.O. BOX 630	>2	SSW V120	200
W.R. GRACE & CO.. AG. CHEMICA	P.O. BOX 1586 / HWY. 42	>2	SSW V121	204
BRUCE'S DRIVE IN	HIGHWAY 421 NORTH	>2	SSW V122	208
TRIPLE T PARTS & EQUIP. CO.IN	HWY 421 NORTH	>2	SSW V128	223
FREDERICKSON MOTOR EXPRESS CO	FREDERICKSON ROAD	>2	SSW A1185	313
L.V. SUTTON PLANT	ROUTE 6, BOX 46 / HIGHW	>2	SSW AL203	340

NPDES: General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

A review of the NPDES list, as provided by EDR, and dated 06/19/2007 has revealed that there are 5 NPDES sites within approximately 4 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FORMER CONOCO STORE 33051	2636 CASTLE HAYNE RD	>2	SSE U123	213
FORMER FAST FARE NC-733	2540 CASTLE HAYNE RD	>2	SSE AH166	279
SUTTON STEAM ELECTRIC PLANT	801 SUTTON STEAM PLANT	>2	SSW AL196	334

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HERMITAGE HOUSE REST HOME WWTP	4724 CASTLE HAYNE RD	>2	E D14	56
DEL LABORATORIES, INC.	1830 CARVER DR	>2	NNE AD157	269

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
KBK FLY ASH TRANSFER STATION	SWF/LF, HIST LF
BRUNSWICK CO TRANSFER/LELAND	SWF/LF, HIST LF
NORTH CAROLINA RESOURCE CONSERVATION, LL	SWF/LF, HIST LF
RUNNING DEER LCID LANDFILL	SWF/LF, HIST LF
CLYDE WISECARVER	SWF/LF, HIST LF
CONGLETON DEMO/CYPREE LANDFILL	SWF/LF, HIST LF
WILMINGTON MATERIALS	SWF/LF, HIST LF
GENERAL ELECTRIC COMPANY, WILMINGTON,	FINDS, RCRA-LQG, TRIS, RCRA-TSDF, CERC-NFRAP
IDEAL BASIC INDS/PLANT MARL QUARRY	SHWS
CAROLINA CREOSOTING CORPORATION	SHWS
HOLDING POND FOR WASTE/USS	SHWS
WILMINGTON BRANCH/BORDEN/SMITH DOUGL	SHWS
D&G PROPERTIES-SLAUGHTERHOUSE PARCEL	SHWS
SHACKLEFORD BANKS DRUMS	SHWS
VC CHEMICAL-ALMONT WORKS	SHWS
CAROLINA P&L CO. SUTTON STEAM	SHWS, VCP
SHEPARD CHEMICAL WORKS	SHWS
FLEMINGTON LDFL	SHWS, CERC-NFRAP, OLI
SOUTHERN WOOD PIEDMONT LANDFAR	SHWS, VCP, IMD
POTTER'S SEPTIC TANK SERVICE	SHWS
WILMINGTON GUN CLUB (FORMER)	SHWS
CAPE FEAR RIVER DRUMS	CERCLIS
SOUTHERN METALS RECYCLING	CERCLIS, FINDS
IDEAL BASIC INDS/PLANT MARL QUARRY	LUST, CERC-NFRAP, IMD
BRUNSWICK CO LDFL	CERC-NFRAP
SCOTCHMAN # 115	LUST, IMD
MARTIN MARIETTA	LUST
MOORE'S CREEK UST # 2	LUST, IMD
JOHNSON'S GROCERY	LUST, IMD
MOORE'S CREEK BATTLEFIELD QUAR	LUST, IMD
JENNIFER SUBDIVISION	LUST, IMD
CONNIE'S MOBILE HOME PARK	LUST, IMD
INDUSTRIAL ELECTRIC SALES & SE	LUST, IMD
BRYANTS TEXACO (FORMER)	LUST, IMD
ARVIDA DEVELOPMENT CENTER	LUST, IMD
PENDER ACADEMY	LUST, UST, LUST TRUST, IMD
ROCKY POINT QUARRY	LUST, UST, LUST TRUST, IMD
ALFORDS SEAFOOD	LUST, IMD
COASTAL FOOD SERVICE	LUST, IMD
AIRPORT INDUSTRIAL CENTER	LUST, IMD
AIR WILMINGTON	LUST, IMD
JORDAN PROPERTY	LUST, IMD
CP&L, EASTERN DIVISION GARAGE	LUST, IMD
COUNTRY STORE	LUST TRUST
KRAFT PROPERTY	LUST TRUST
KENAN TRANSPORT COMPANY	LUST TRUST
WILMINGTON MAINT. GARAGE	LUST TRUST
FREDERICK JORDAN PROPERTY	LUST TRUST
AIR WILMINGTON	LUST TRUST

EXECUTIVE SUMMARY

NEW HANOVER RENT A CAR	LUST TRUST
WATSON'S SERVICE STATION	UST
ARNOLD WESLEY PORTER	UST
DICKERSON CAROLINA INC.	UST
CASTLE HAYNE QUARRY	UST
HOLNAM. INC.	UST
SOUTHERN BELL-GLC 21806	UST
MCO TRANSPORT. INC.	UST
LUDEKE FARMS WHOLESALE FLORIS	UST
JOHNSONS GROCERY	UST
E & H EXXON	UST
OLD DOMINION FREIGHT LINE	UST
HENRY'S SERVICE CENTER	UST
MACO'S UNION 76 TRUCK STOP	UST
LELAND GROCERY	UST
H.C. WILLIAMS. JR. TRUCKING C	UST
BELVILLE MINI MART	UST
F.W. GROVES TRUCKING CO.	UST
NORTH CAROLINA EQUIPMENT COMP	UST
LELAND CITGO	UST
TWISDALE MFG CO INC	UST
ESTES EXPRESS LINES 13	UST
GULF ATLANTIC DISTRIBUTION SE	UST
RD'S TRUCK STOP	UST
FOX'S HOLSUM BAKERY INC	UST
ROUTE 3	UST
ROOKS FARM SERVICE INC.	UST
DAVIS FOODS INC	UST
LONG CREEK GRADY ELEM SCHOOL	UST
COUNTRY STORE	UST
BETTY'S GROCERY	UST
SCOTCHMAN 308	UST
WILCO 396	UST
SCOTCHMAN 265	UST
WILMINGTON AIRPORT	UST
PHOENIX COUNTRY STORE	UST
NEW HANOVER COUNTY GARAGE	UST
SOUTHERN BELL - WLMGNCHW	UST
WORSLEY TRANSPORT	UST
UNION CARBIDE INDUSTRIAL GASE	UST
NEW HANOVER COUNTY AIRPORT	UST
SOUTHERN BELL-GLC 21216	UST
PLOOF TRUCK LINES. INC.	UST
SOUTHERN IMPORT COMPANY. INC.	UST
COSTCO GASOLINE (LOC NO TDB)	UST
WILM TOWB	UST
PUMP STATION 34	UST
ALMONT SHIPPING - NEW	BROWNFIELDS
PPD HEADQUARTERS	BROWNFIELDS
FLEMINGTON LANDFILL	BROWNFIELDS
NEW HANOVER CO AIRPORT (PIEDMONT AIRLINES)	AST
INDUSTRIAL TECHNOLOGY GROUP	RCRA-SQG, FINDS
SEA MARK BOATS	RCRA-SQG
CINCINNATI THERMAL SPRAY	RCRA-SQG, FINDS
LOUISIANA PACIFIC CORPORATION	RCRA-SQG, FINDS

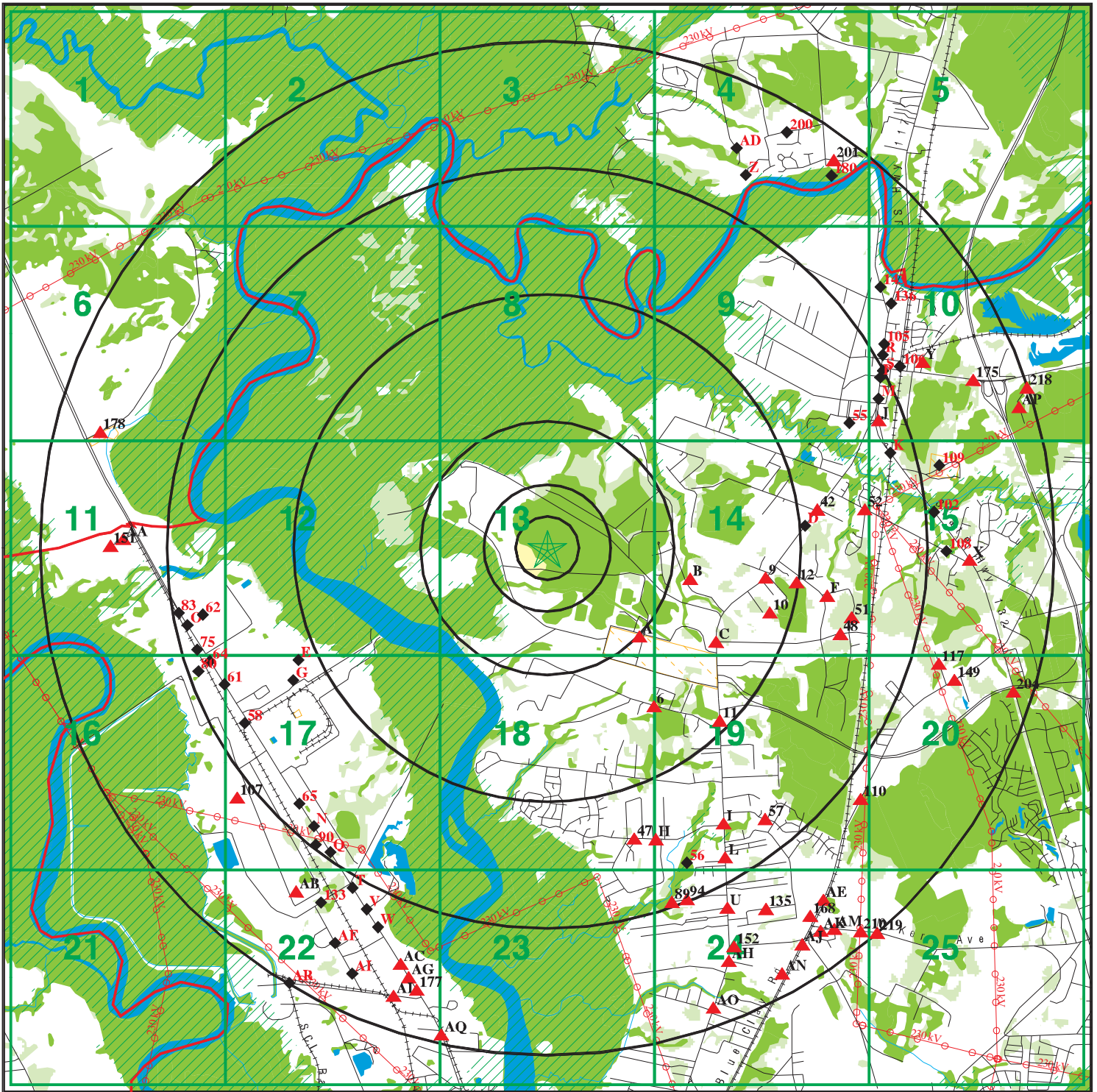
EXECUTIVE SUMMARY

NC EQUIPMENT CO	RCRA-SQG, FINDS
SHIPSIDE PACKING CO	RCRA-SQG, FINDS
PRECISION METAL PRODUCTS INC	RCRA-SQG, FINDS
DEL LABORATORIES, INC	FINDS, RCRA-LQG
HIGHWAY 421 NORTH 5 MILES NORTH OF WILMINGTON	ERNS
HIGHWAY 421N, 4 MILES NORTH OF WILMINGTON	ERNS
CAPE FEAR RIVER AT THE OLD WILMINGTON SHIPYARD	ERNS
CHEM SERVE TERMINAL WILMINGTON	ERNS
E/R FM WILMINGTON TO SAVANNAH	ERNS
RIVER ROAD/8MI FM WILMINGTON SOUTHBOUND	ERNS
WILMINGTON STATE PORT AUTHORITY DOCK 6	ERNS
WILMINGTON MARINE CENTER RIVER RD	ERNS
WILMINGTON STATE DOCKS BERTH A	ERNS
WILMINGTON STATE PORT BERTH 9	ERNS
WILMINGTON STATE DOCKS BERTH 9	ERNS
WILMINGTON ST PORT AUTH BERTH 2,3	ERNS
WILMINGTON DOCK WATER ST.	ERNS
WILMINGTON AUTO SALVAGE & SALE	FINDS
WILMINGTON BRANCH	FINDS
HY - YIELD BROMINE INC	FINDS, SSTS
WILMINGTON GRADING	FINDS
CARVER BOAT CORPORATION	FINDS, IMD
WILMINGTON AIRPORT	FINDS
READY MIXED CONCRETE COMPANY - WILMINGTON	FINDS
WILMINGTON AUTO TRUCK STOP	FINDS
PHILLYSHIP OF WILMINGTON	FINDS
PCS NITROGEN FERTILIZER L P WILMINGTON PLANT	FINDS
WILMINGTON WATER TREATMENT PLANT	FINDS
WILMINGTON HOUSING AUTHORITY	FINDS
WILMINGTON SHIPPING COMPANY	FINDS
NEXT STEP PROPERTIES OF WILMINGTON LIMITED LIABILITY COMPANY	FINDS
ALMONT-OLD WILMINGTON HARBOUR	FINDS
METAL TESTING SOUTH WILMINGTON	FINDS
WILMINGTON EXPORT PACKING INCORPORATED	FINDS
WILMINGTON FACILITY	FINDS
WILMINGTON FERTILIZER,117 SITE	FINDS
WILMINGTON POP	FINDS
SIDBURY PLAZA	IMD
REASOR CHEMICAL	IMD
OXYCHEM LAGOONS	IMD
BROOKDALE GREENHOUSES, INC.	IMD
CASTLE HAYNE CVS SITE	IMD
PETROLEUM EQUIP. & INST. CO.	IMD
MARTIN MARIETTA	IMD
EXXON PIPELINE 109 +45	IMD
LEERAY, INCORPORATED	IMD
LEERAY TRUCK SALES	IMD
CONOCO-ATLANTIC GULF (DIESEL S	IMD
T-N-T AUTO SALES	IMD
CHEMICAL CARTAGE	IMD
INDUSTRIAL ELECTRICAL SALES &	IMD
NATIONAL STARCH(C.T. SPECIALTI	IMD
POLE PROPERTY	IMD
INFINGER TRANSPORT	IMD
C.H. CLARK AND SON, INC.	IMD

EXECUTIVE SUMMARY

JBS MECHANICAL SERVICES, INC.	IMD
CARVER BOAT CO.	IMD
ADAMS TRUCKING	IMD
EAGLE ISLAND ENGINEER YARD	IMD
CP&L SUTTON PLANT	IMD
FLORIDA ROCK AND TANK TRUCK SP	IMD
SOUTH ATLANTIC SERVICES, INC.	IMD
CP&L TRANSFORMER SITE	IMD
FLEMINGTON LANDFILL	IMD
CENTRAL TRANSPORT, INC	IMD
AMERICAN CONTRACT COATING	IMD
GENERAL ELECTRIC-CENTRAL TCE P	IMD
GENERAL ELECTRIC	IMD
GENERAL ELECTRIC-URANYL NITRAT	IMD
10TH ST LANDFILL	IMD
OLD NEUWIRTH PROPERTY	IMD
IDEAL BASIC CEMENT LANDFILL	IMD
NCDOT HIGHWAY 17 BYPASS	IMD
NATIONAL CAR SALES (ALEX TRASK	IMD
MILITARY CUTOFF FIRING RANGE	IMD
EAGLE ISLAND, CSX PROPERTY	IMD
SUNOCO BULK TERMINAL (FORMER)	IMD
INTERNATIONAL PAPER/CP&L TANK	IMD
AERONAUTICS/AIR WILMINGTON	IMD
CASTLE HAYNE SERVICE DUMP	OLI
CASTLE HAYNE TRASH SERVICE	OLI
DUPONT DUMP	OLI
WILMINGTON LDFL (KIDDER ST)	OLI
TALLMAN CLAY PIT	OLI
MILITARY CUTOFF LANDFILL	OLI
BURNT MILL CREEK LF	OLI
WILMINGTON LANDFILL	OLI
MARTIN MARIETTA AGG PEE DEE QUARRY	ICIS
TRUMPETER CREEK FARMS #1 & #2	ICIS
HITCHING POST TRAILER PARK WATER SYS	ICIS
OIL SPILL (FLORIDA ROCK & TANK LINES, INC.)	ICIS
INVISTA S.A.R.L.	ICIS
SOUTHERN STATES CHEMICAL	ICIS
OIL SPILL (CENTRAL TRANSPORT TERMINAL)	ICIS
SIGMA RECYCLING	ICIS
SPRUNT LAURENCE	ICIS
TOWN & COUNTRY MHP #1 WATER SYS	ICIS
OCCIDENTAL CHEMICAL CORP.	SSTS
HY-YIELD BROMINE	SSTS
SOUTH ATLANTIC SERVICES INC	SSTS
SHEPARD CHEMICAL WORKS, INC	SSTS
NEW HANOVER FACILITY	NPDES
WILMINGTON TERMINAL	NPDES
INVISTA, S.A.R.L.	NPDES
COUNTY LANDFILL WWTP	NPDES
WASTEC WWTP	NPDES
WILMINGTON ACID PLANT	NPDES
WILMINGTON FACILITY WWTP	NPDES

OVERVIEW MAP - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

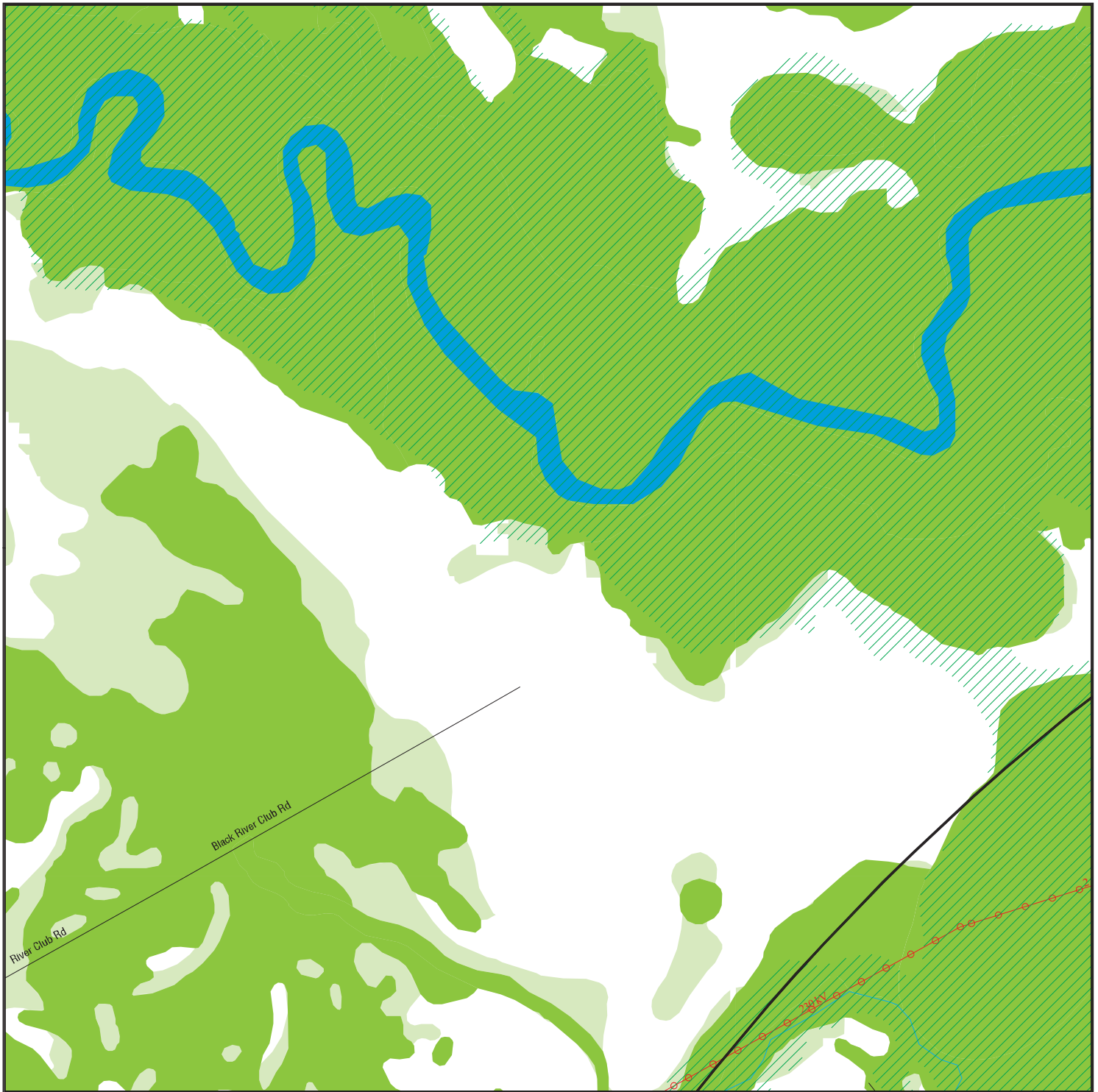
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

- Hazardous Substance Disposal Sites

SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 1 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone
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- ☒ Hazardous Substance Disposal Sites



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CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 2 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites



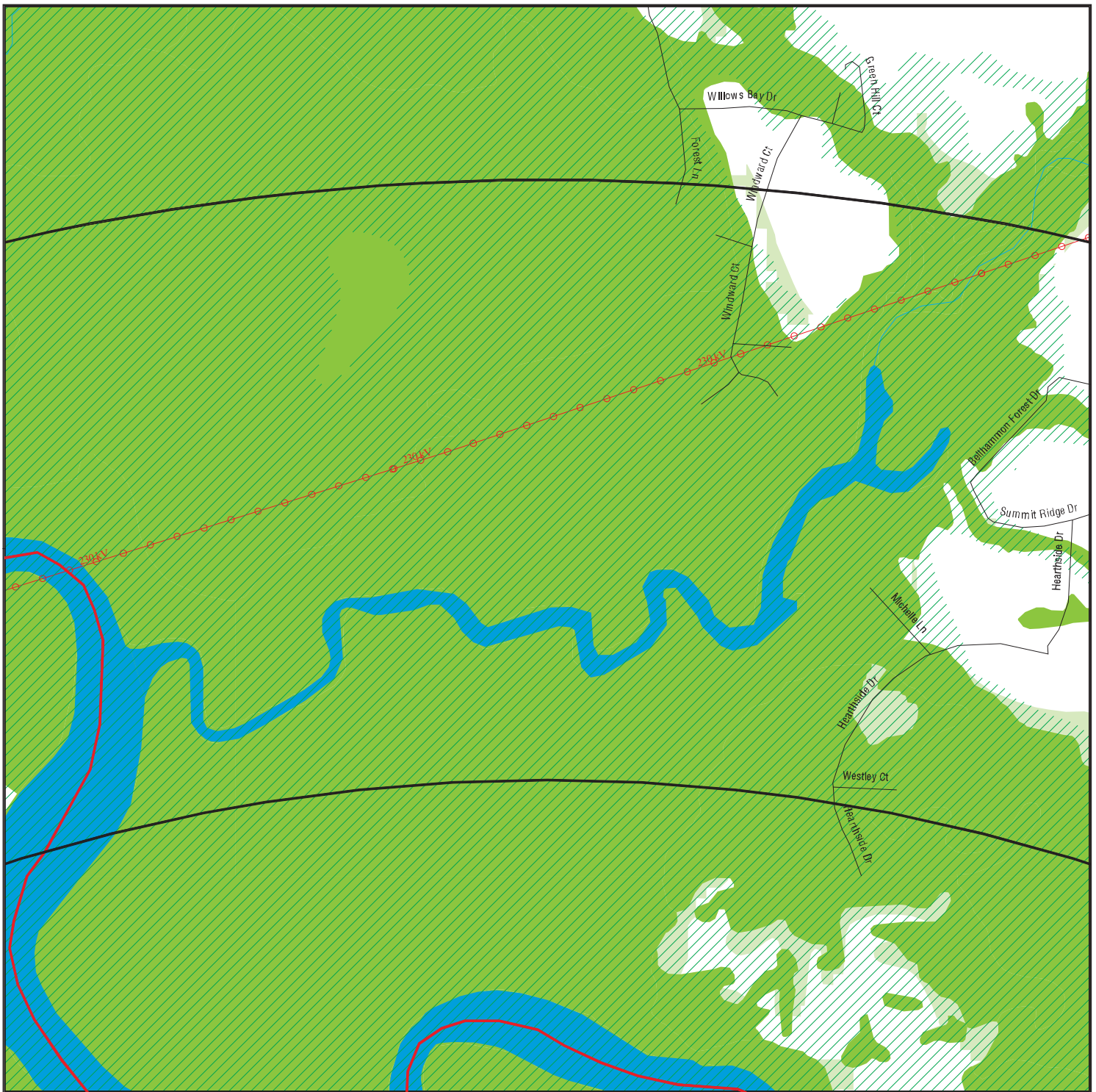
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- County Boundary
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- Oil & Gas pipelines
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- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 3 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



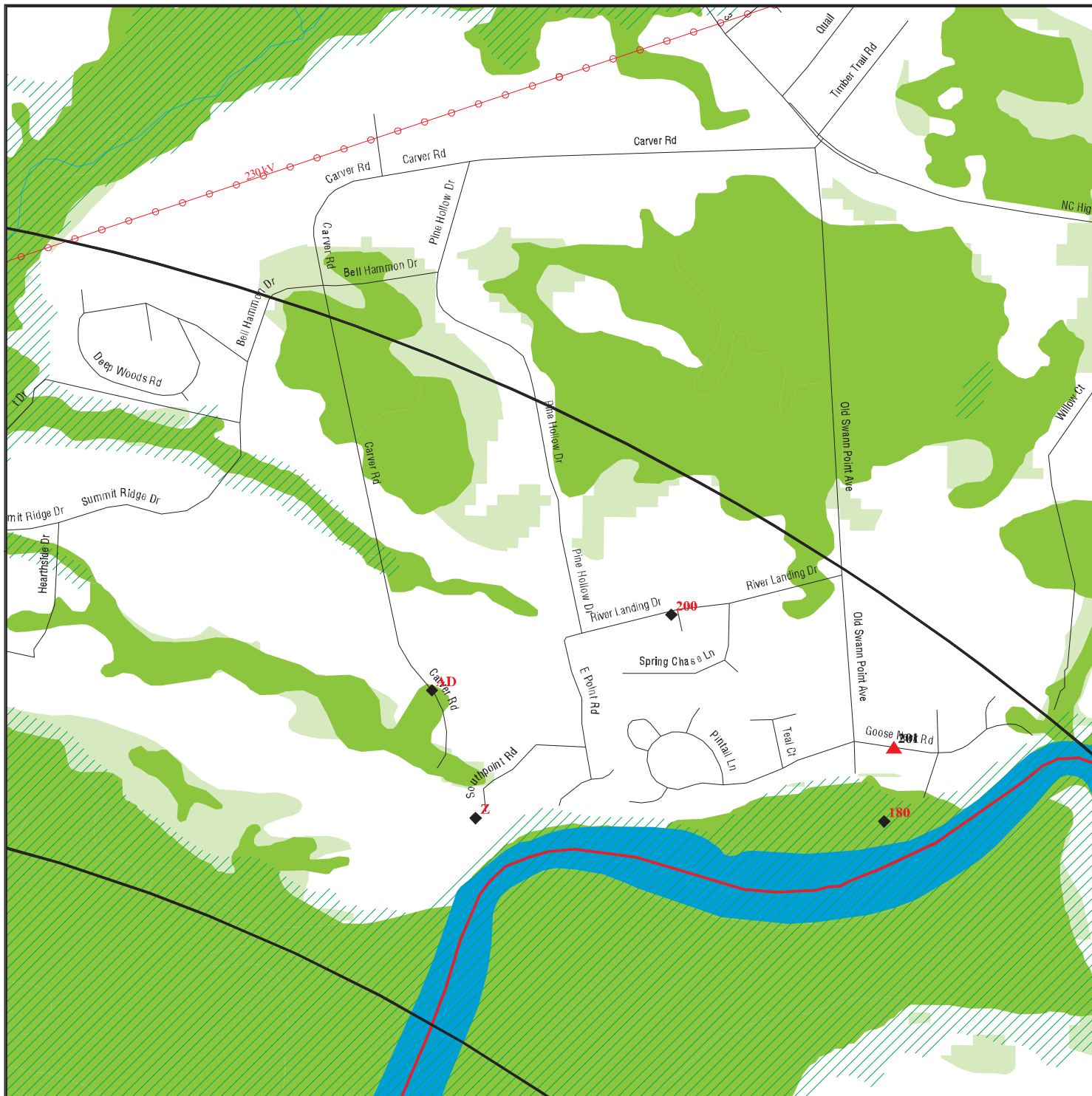
- ☒ Indian Reservations BIA
- ⚡ County Boundary
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 4 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites



- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 5 of 25 - 01977396.1r



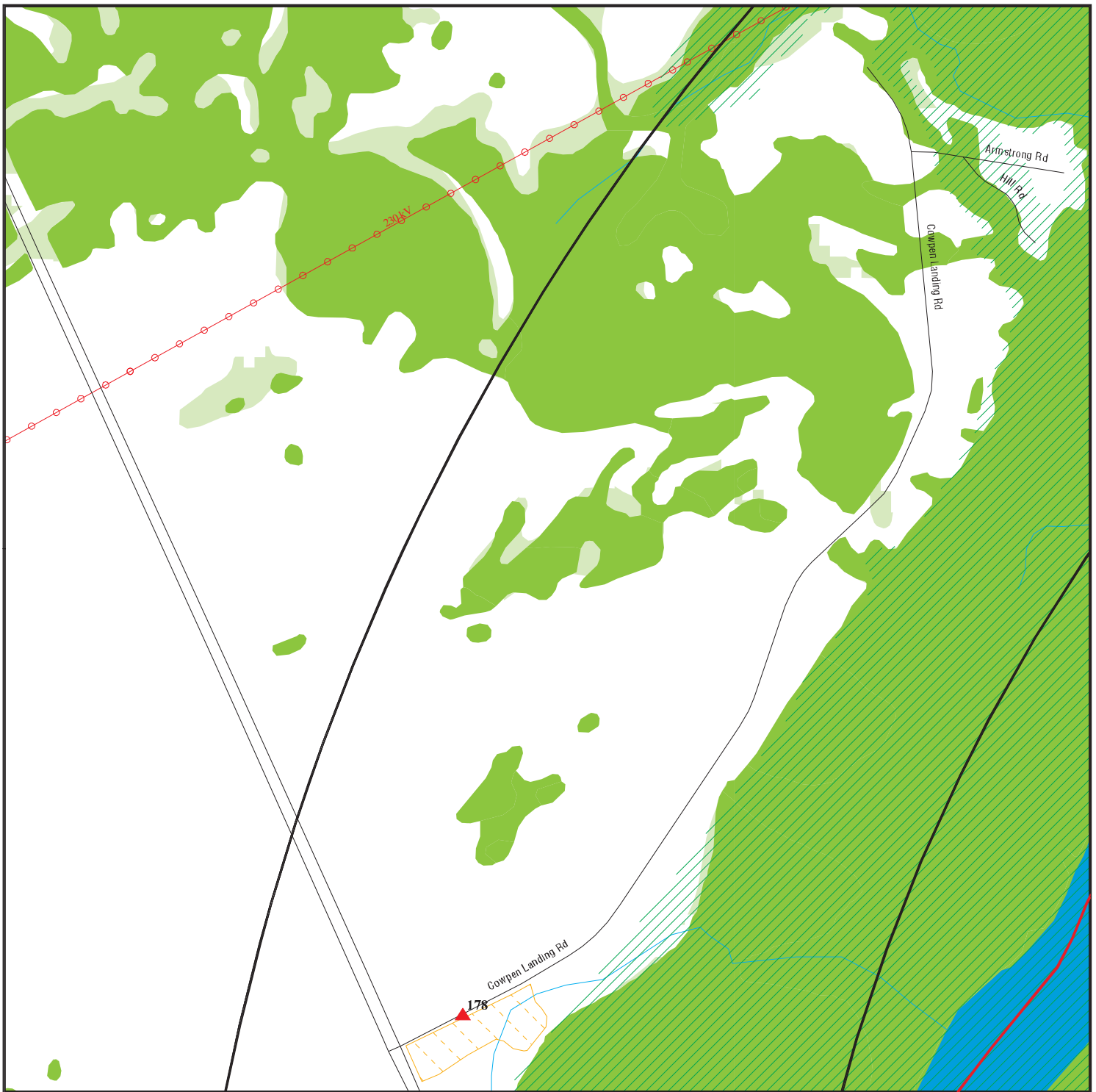
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- 0 1/8 1/4 1/2 Miles
- ☒ Indian Reservations BIA
- ⚡ County Boundary
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Hazardous Substance Disposal Sites

SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 6 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



- ☒ Indian Reservations BIA
- ⚡ County Boundary
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone
- 🟢 National Wetland Inventory
- 🟡 State Wetlands
- ☒ Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 7 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



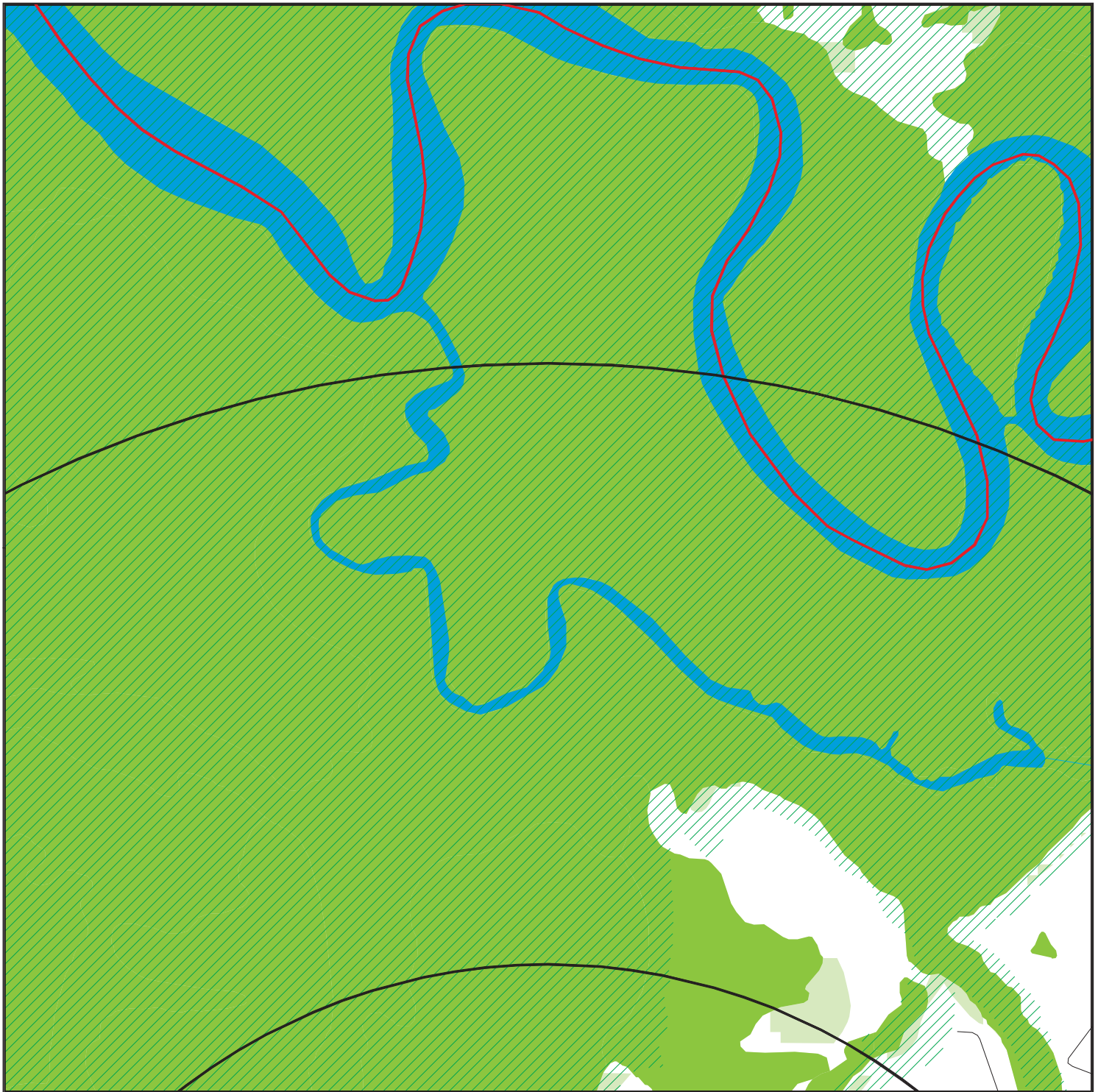
- ☒ Indian Reservations BIA
- ⚡ County Boundary
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 8 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



- ☒ Indian Reservations BIA
- ⚡ County Boundary
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone
- ☒ National Wetland Inventory
- ☒ State Wetlands
- ☒ Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 9 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- ▭ Indian Reservations BIA
- ⚡ County Boundary
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Hazardous Substance Disposal Sites

SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 10 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites



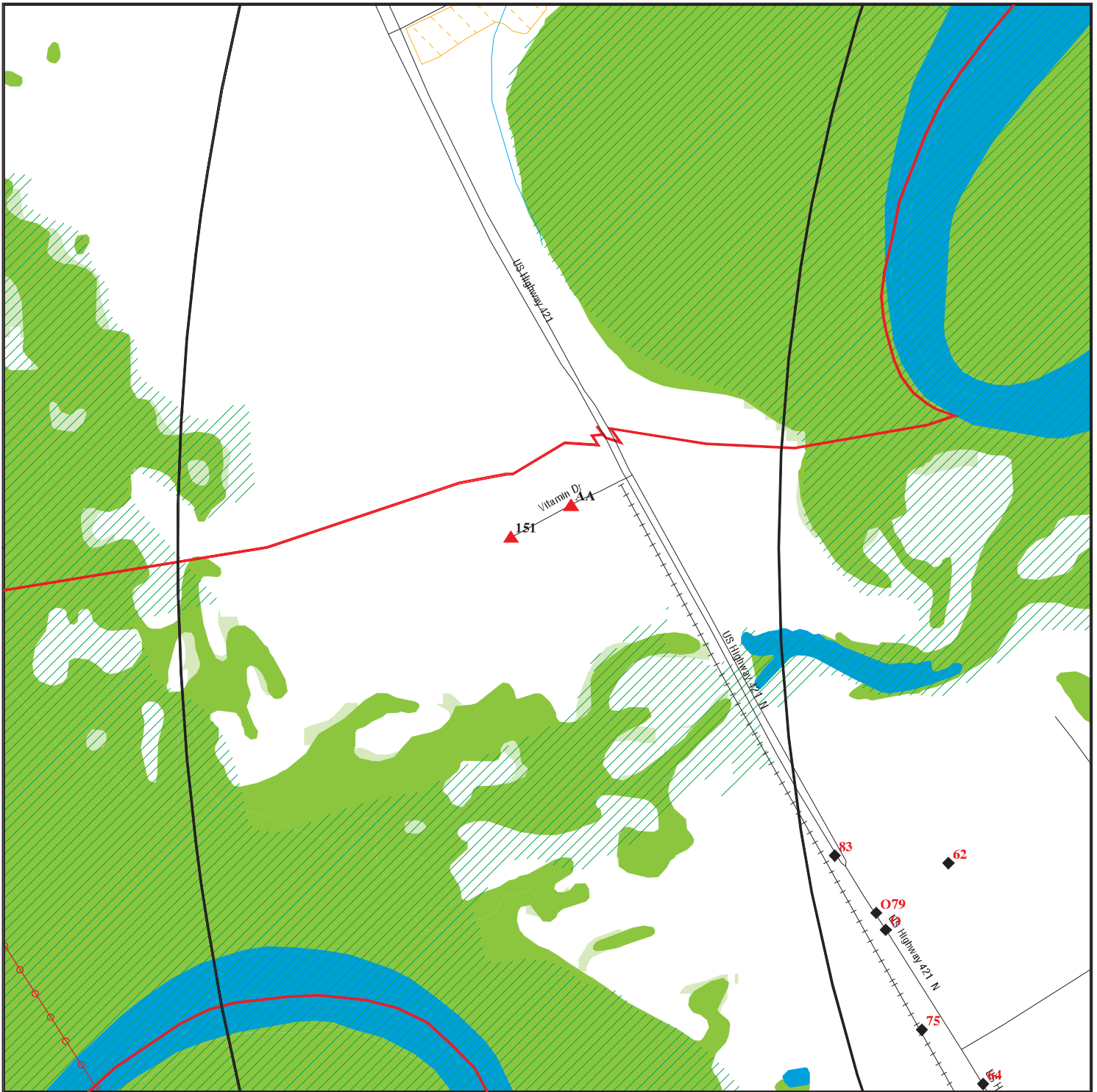
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 11 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites



- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 12 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



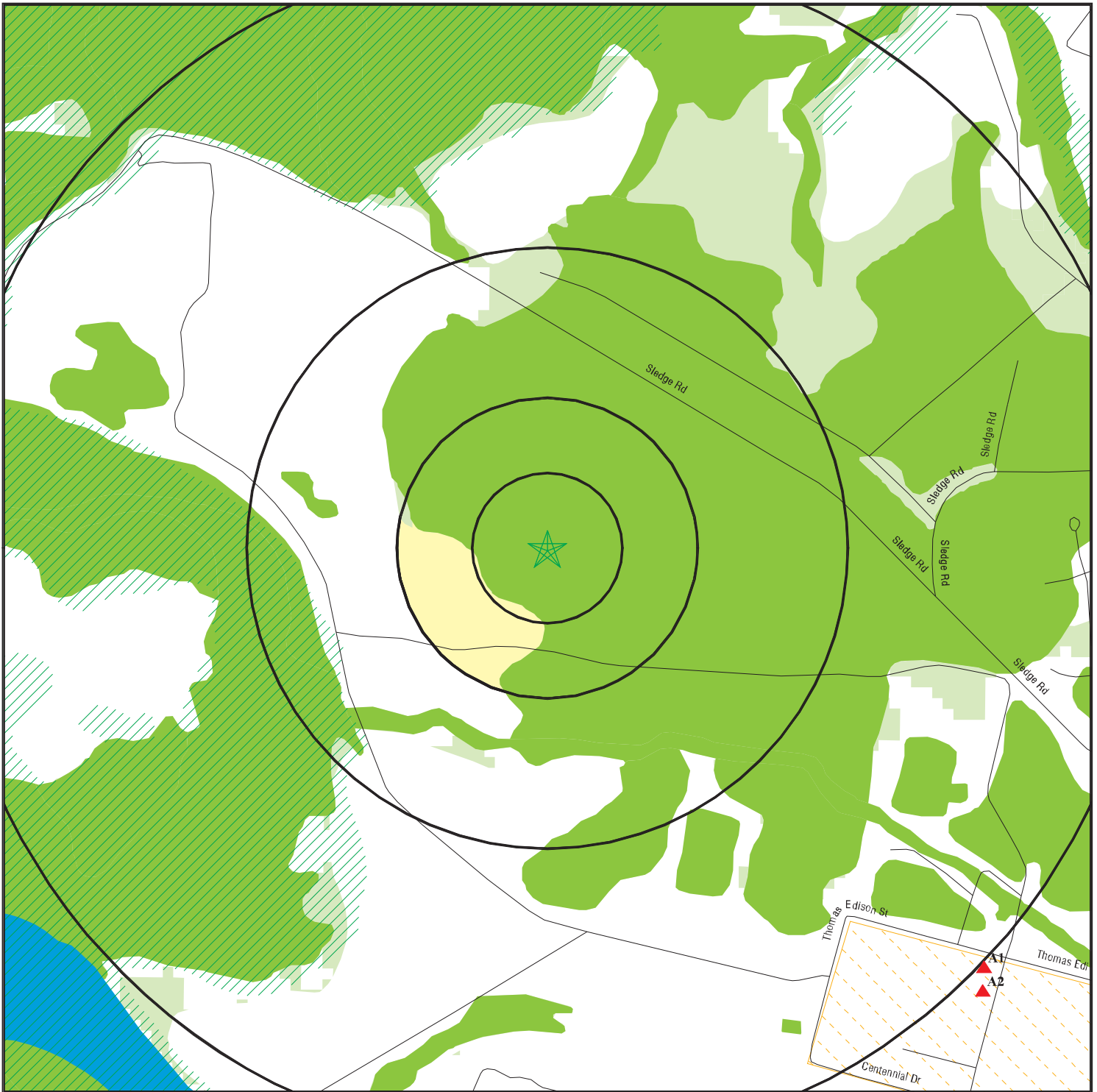
- ☒ Indian Reservations BIA
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:06 pm

DETAIL MAP 13 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

DETAIL MAP 14 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

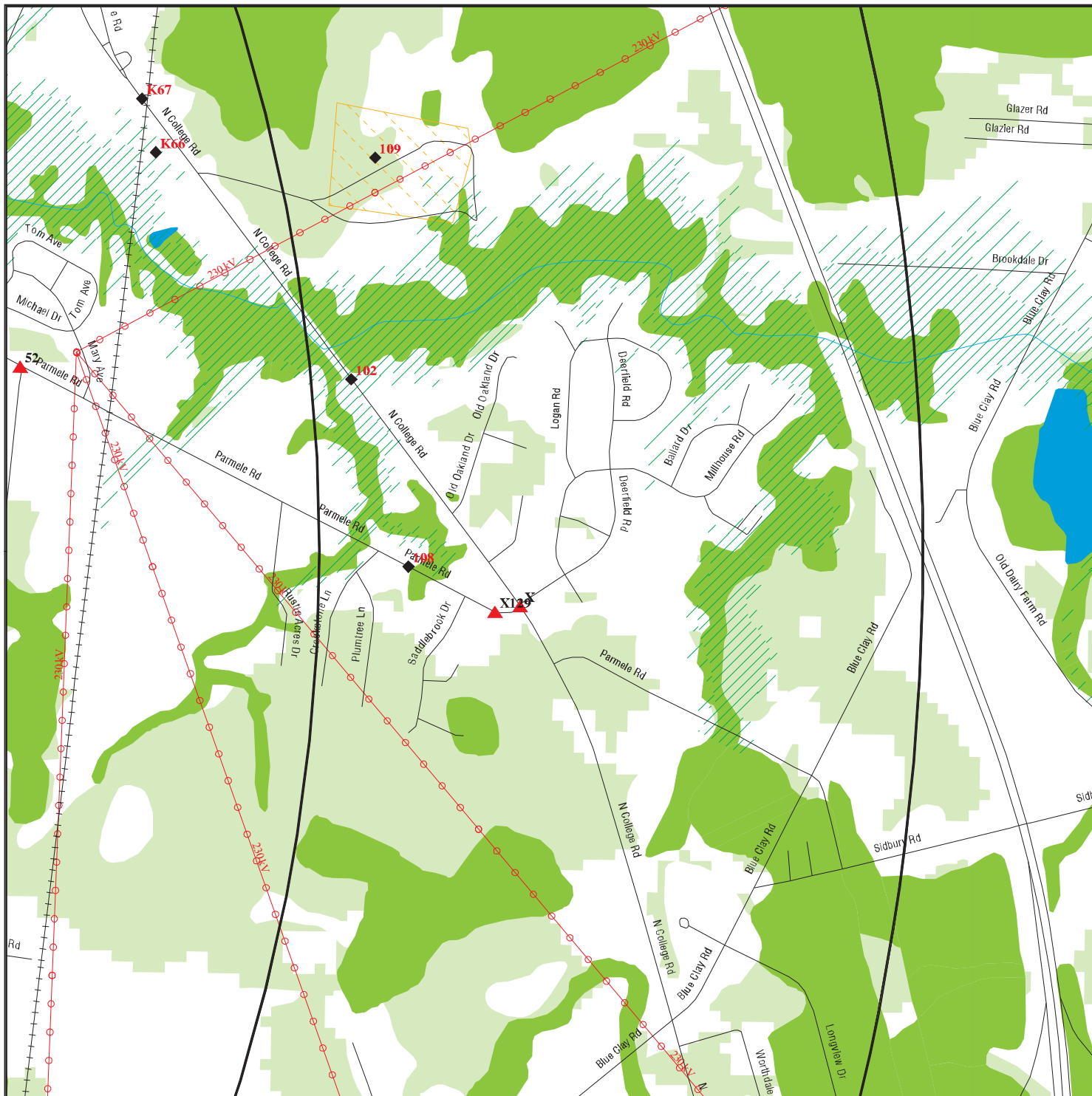
- ▨ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands

- ▨ Hazardous Substance Disposal Sites

SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

DETAIL MAP 15 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites



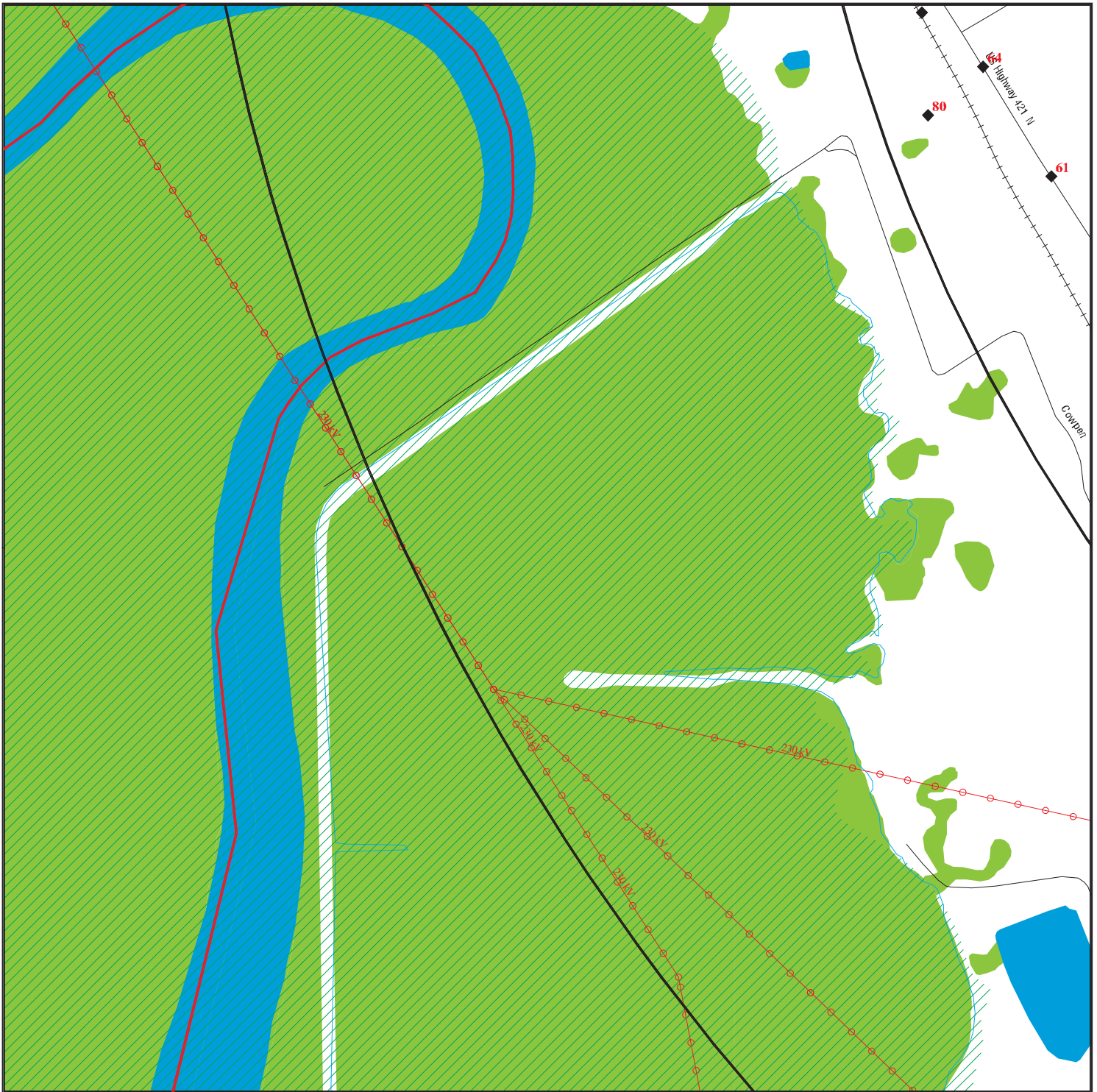
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▩ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

DETAIL MAP 16 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



- ☒ Indian Reservations BIA
- ⚡ County Boundary
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

DETAIL MAP 17 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

DETAIL MAP 18 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



- ☒ Indian Reservations BIA
- ☒ Hazardous Substance Disposal Sites
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone
- ☒ National Wetland Inventory
- ☒ State Wetlands



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
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 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

DETAIL MAP 19 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

DETAIL MAP 20 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



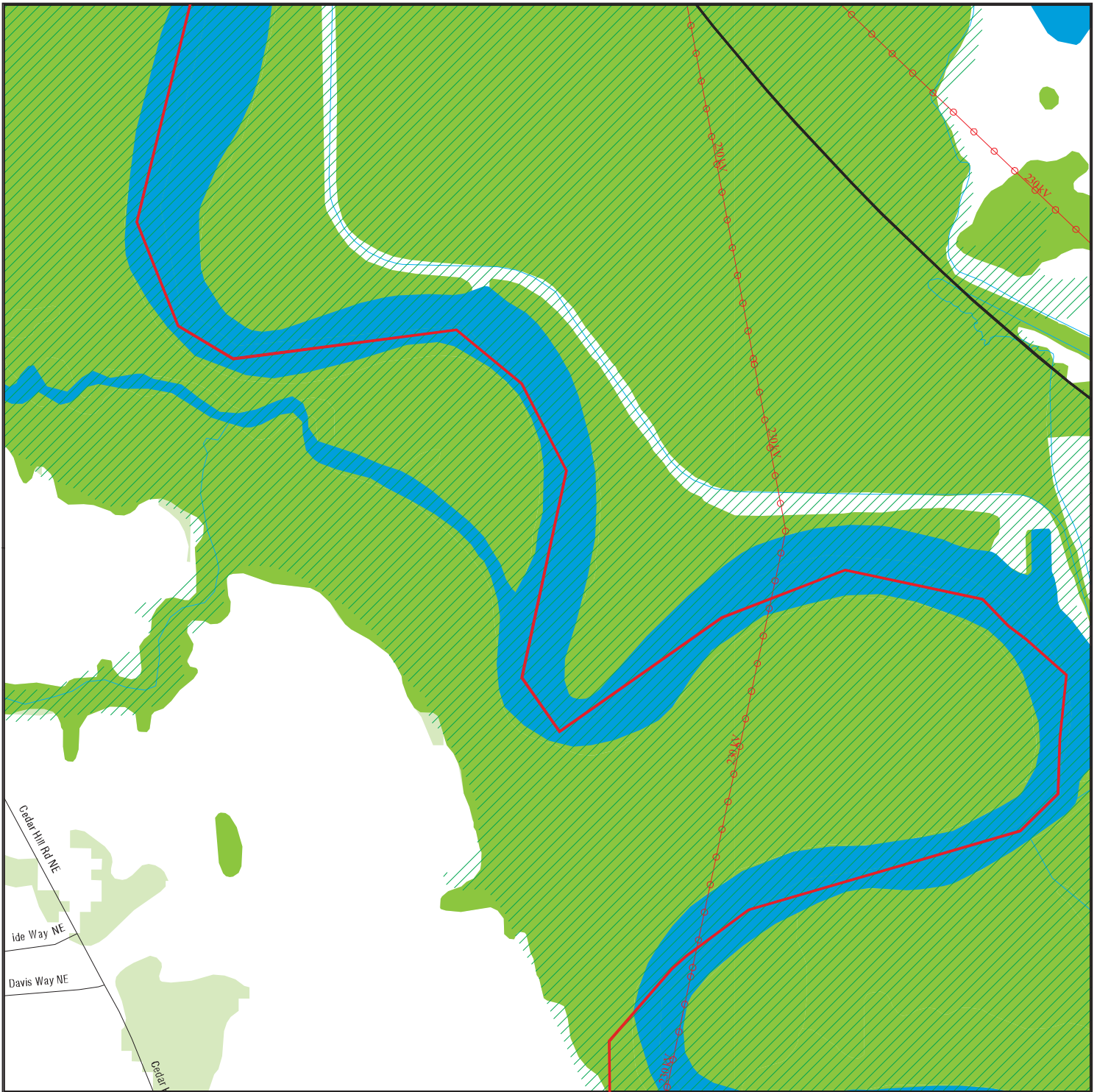
- ☒ Indian Reservations BIA
- ☒ Hazardous Substance Disposal Sites
- ⚡ Power transmission lines
- 🛢️ Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory
- 🌿 State Wetlands



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

DETAIL MAP 21 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



- ☒ Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Hazardous Substance Disposal Sites



SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

DETAIL MAP 22 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

DETAIL MAP 23 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites
- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone
- ☒ National Wetland Inventory
- ☒ State Wetlands
- ☒ Hazardous Substance Disposal Sites

<p>SITE NAME: GLE Wilmington ADDRESS: 3902 Castle Hayne Rd Wilmington NC 28429 LAT/LONG: 34.3340 / 77.9460</p>	<p>CLIENT: Research Triangle Institute CONTACT: Michael Lowry INQUIRY #: 01977396.1r DATE: July 12, 2007 1:07 pm</p>
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DETAIL MAP 24 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏞 Indian Reservations BIA
- ⚡ Power transmission lines
- 🛢 Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory
- 🌿 State Wetlands
- 🗑 Hazardous Substance Disposal Sites

SITE NAME: GLE Wilmington
ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
CONTACT: Michael Lowry
INQUIRY #: 01977396.1r
DATE: July 12, 2007 1:07 pm

DETAIL MAP 25 of 25 - 01977396.1r



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- State Wetlands
- ☒ Hazardous Substance Disposal Sites

SITE NAME: GLE Wilmington
 ADDRESS: 3902 Castle Hayne Rd
 Wilmington NC 28429
 LAT/LONG: 34.3340 / 77.9460

CLIENT: Research Triangle Institute
 CONTACT: Michael Lowry
 INQUIRY #: 01977396.1r
 DATE: July 12, 2007 1:07 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		4.000	0	0	0	0	1	1
Proposed NPL		4.000	0	0	0	0	1	1
Delisted NPL		4.000	0	0	0	0	0	0
NPL LIENS		4.000	0	0	0	0	0	0
CERCLIS		4.000	0	0	0	0	5	5
CERC-NFRAP		4.000	0	0	0	0	2	2
CORRACTS		4.000	0	0	0	0	0	0
RCRA TSD		4.000	0	0	0	0	0	0
RCRA Lg. Quan. Gen.		4.000	0	0	0	0	3	3
RCRA Sm. Quan. Gen.		4.000	0	0	0	0	18	18
ERNS		4.000	0	0	0	0	33	33
HMIRS		4.000	0	0	0	0	1	1
US ENG CONTROLS		4.000	0	0	0	0	1	1
US INST CONTROL		4.000	0	0	0	0	1	1
DOD		4.000	0	0	0	0	0	0
FUDS		4.000	0	0	0	0	0	0
US BROWNFIELDS		4.000	0	0	0	0	0	0
CONSENT		4.000	0	0	0	0	0	0
ROD		4.000	0	0	0	0	1	1
UMTRA		4.000	0	0	0	0	0	0
ODI		4.000	0	0	0	0	0	0
TRIS		4.000	0	0	0	0	4	4
TSCA		4.000	0	0	0	0	0	0
FTTS		4.000	0	0	0	0	1	1
SSTS		4.000	0	0	0	0	0	0
LUCIS		4.000	0	0	0	0	0	0
DOT OPS		4.000	0	0	0	0	0	0
ICIS		4.000	0	0	0	0	4	4
HIST FTTS		4.000	0	0	0	0	1	1
CDL		4.000	0	0	0	0	0	0
RADINFO		4.000	0	0	0	0	0	0
LIENS 2		4.000	0	0	0	0	0	0
PADS		4.000	0	0	0	0	0	0
MLTS		4.000	0	0	0	0	0	0
MINES		4.000	0	0	0	0	0	0
FINDS		4.000	0	0	0	0	83	83
RAATS		4.000	0	0	0	0	1	1
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		4.000	0	0	0	0	3	3
IMD		4.000	0	0	0	0	50	50
NC HSIDS		4.000	0	0	0	1	3	4
State Landfill		4.000	0	0	0	0	5	5
OLI		4.000	0	0	0	0	0	0
HIST LF		4.000	0	0	0	0	5	5
LUST		4.000	0	0	0	0	32	32
LUST TRUST		4.000	0	0	0	0	9	9

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
UST		4.000	0	0	0	0	36	36
AST		4.000	0	0	0	0	0	0
INST CONTROL		4.000	0	0	0	0	0	0
VCP		4.000	0	0	0	0	0	0
DRYCLEANERS		4.000	0	0	0	0	0	0
BROWNFIELDS		4.000	0	0	0	0	0	0
NPDES		4.000	0	0	0	0	5	5
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		4.000	0	0	0	0	0	0
INDIAN LUST		4.000	0	0	0	0	0	0
INDIAN UST		4.000	0	0	0	0	0	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		4.000	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.)	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
HSDS	Region	SE	1/2-1	4224 ft.	GENL ELEC CO , NC	NC HSDS	S102442945	N/A
					NC HSDS: Site Type: Federal Superfund ID: 050 409 150 Lat/Long: 34 19 18.131987 77 55 50.723700			
HSDS	Region	WSW	> 1	12337 ft.	HERCOFINA , NC	NC HSDS	S102442951	N/A
					NC HSDS: Site Type: Federal Superfund ID: 990 734 055 Lat/Long: 34 18 53.805695 77 58 50.772670			
HSDS	Region	East	> 1	16208 ft.	REASOR CHEMICAL COMPANY , NC	NC HSDS	S102442939	N/A
					NC HSDS: Site Type: Federal Superfund ID: 986 187 094 Lat/Long: 34 20 36.059357 77 53 29.271454			
HSDS	Region	WNW	> 1	18499 ft.	CHEMICAL LEAMAN TANK LINES INC , NC	NC HSDS	S102442938	N/A
					NC HSDS: Site Type: Federal Superfund ID: 062 677 273 Lat/Long: 34 20 49.457664 78 0 23.774412			
A1	SE	> 1	5315 ft.	Relative: Higher	GE CO. 3901 CASTLE HAYNE RD. NC HWY. 133 WILMINGTON, NC 28401	FINDS	1007263572	110017390287
Actual: 31 ft.					Site 1 of 2 in cluster A FINDS: Other Pertinent Environmental Activity Identified at Site			
					The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and			

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GE CO. (Continued)

1007263572

their precursors, as well as hazardous air pollutants (HAPs).

A2
SE
 > 1
 5453 ft.

GENERAL ELECTRIC COMPANY
US 117 NORTH CASTLE HAYNE RD
WILMINGTON, NC 28405

LUST U001200455
UST N/A
IMD

Site 2 of 2 in cluster A

Relative:
Higher

LUST:

Actual:
39 ft.

Facility ID:	0-022432	UST Number:	WI-820
Incident Number:	5624	Lat/Long Decimal:	0 0
Lat/Long:	341924 775600		
Testlat:	Not reported		
Regional Officer Project Mgr:	BAR		
Region:	Wilmington		
Company:	GENERAL ELECTRIC COMPANY		
Contact Person:	MR. HERBERT R. STRICKLER		
Telephone:	Not reported		
RP Address:	P.O. BOX 780		
RP City,St,Zip:	WILMINGTON, NC 28402-		
RP County:	Not reported		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	L		
Risk Class Based On Review:	L		
Corrective Action Plan Type:	PS		
Level Of Soil Cleanup Achieved:	Not reported		
Tank Regulated Status:	R		
Contamination Type:	Groundwater/Both		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	3/26/1990	Date Occur:	3/23/1990
NOV Issue Date:	Not reported	NORR Issue Date:	12/27/1990
Site Priority:	95E	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	Not reported		
MTBE:	Not reported	MTBE1:	Yes
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	Not reported	Cleanup:	Not reported
Current Status:	File Located in House	RBCA GW:	Not reported
PETOPT:	3	RPL:	No
CD Num:	0	Reel Num:	0
RPOW:	No	RPOP:	No
Error Flag:	0		
Error Code:	Not reported	Valid:	No
Last Modified:	Not reported		
Incident Phase:	Response		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GENERAL ELECTRIC COMPANY (Continued)

U001200455

Closure Request Date: Not reported
Close-out Report: Not reported
Comments: 1,000 GALLON NO. 2 FUEL OIL TANK, MTBE DETECTED AT 8.5 UG/L IN SEPT. 2000 GW SAMPLE FROM MONITORING WELL U1-1A.

UST:

Facility ID: 0-022432
Region: 08
Facility Telephone: (919) 343-5646
Last Update: / /
Owner Name: GENERAL ELECTRIC COMPANY
Owner Address: US 117 NORTH CASTLE HAYNE RD
Owner City,St,Zip: WILMINGTON, NC 28405
Owner Phone: (919) 343-5646
Tank ID: 1
Tank capacity: 5000
Comment: Not reported
Date installed: 07/05/76
Date removed: 12/31/89
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GENERAL ELECTRIC COMPANY (Continued)

U001200455

Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-022432
Region: 08
Facility Telephone: (919) 343-5646
Last Update: / /
Owner Name: GENERAL ELECTRIC COMPANY
Owner Address: US 117 NORTH CASTLE HAYNE RD
Owner City,St,Zip: WILMINGTON, NC 28405
Owner Phone: (919) 343-5646
Tank ID: 2
Tank capacity: 2000
Comment: Not reported
Date installed: 09/05/69
Date removed: 12/31/89
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GENERAL ELECTRIC COMPANY (Continued)

U001200455

Date Last Certified: //
Begin Certified Number: //
End Certified Number: //

Facility ID: 0-022432
Region: 08
Facility Telephone: (919) 343-5646
Last Update: //
Owner Name: GENERAL ELECTRIC COMPANY
Owner Address: US 117 NORTH CASTLE HAYNE RD
Owner City,St,Zip: WILMINGTON, NC 28405
Owner Phone: (919) 343-5646
Tank ID: 3
Tank capacity: 1000
Comment: Not reported
Date installed: 07/05/76
Date removed: 12/31/89
Status: Permanent Closed
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: //
Corrosion Protection Piping Date: //
Spill Overfill Date: //
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: //
Tank Certified Number: Not reported
Date Last Certified: //

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GENERAL ELECTRIC COMPANY (Continued)

U001200455

Begin Certified Number: //
End Certified Number: //

Facility ID: 0-022432
Region: 08
Facility Telephone: (919) 343-5646
Last Update: //
Owner Name: GENERAL ELECTRIC COMPANY
Owner Address: US 117 NORTH CASTLE HAYNE RD
Owner City,St,Zip: WILMINGTON, NC 28405
Owner Phone: (919) 343-5646
Tank ID: 4
Tank capacity: 250
Comment: Not reported
Date installed: 07/05/76
Date removed: 12/31/89
Status: Permanent Closed
Tank product: Kerosene, Kerosene Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: //
Corrosion Protection Piping Date: //
Spill Overfill Date: //
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: //
Tank Certified Number: Not reported
Date Last Certified: //
Begin Certified Number: //

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GENERAL ELECTRIC COMPANY (Continued)

U001200455

End Certified Number: / /

Facility ID: 0-022432
Region: 08
Facility Telephone: (919) 343-5646
Last Update: / /
Owner Name: GENERAL ELECTRIC COMPANY
Owner Address: US 117 NORTH CASTLE HAYNE RD
Owner City,St,Zip: WILMINGTON, NC 28405
Owner Phone: (919) 343-5646
Tank ID: 5
Tank capacity: 1000
Comment: Not reported
Date installed: 06/05/80
Date removed: 12/31/89
Status: Permanent Closed
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GENERAL ELECTRIC COMPANY (Continued)

U001200455

IMD:

Region: WIL
 Facility ID: 5624
 Date Occurred: 3/23/1990
 Submit Date: 5/13/1990
 GW Contam: Yes, Groundwater Contamination has been detected
 Soil Contam: No
 Incident Desc: UPON TANK REMOVAL SOIL AND GW WERE FOUND TO BE CONTAMINATED WITH BTEX.
 Operator: MR. HERBERT R. STRICKLER
 Contact Phone: Not reported
 Owner Company: GENERAL ELECTRIC COMPANY
 Operator Address: P.O. BOX 780
 Operator City: WILMINGTON
 Oper City, St, Zip: WILMINGTON, NC 28402-
 Ownership: Private
 Operation: Industrial
 Material: GASOLINE
 Qty Lost 1: Not reported
 Qty Recovered 1: UNK
 Source: Leak-underground
 Type: Gasoline/diesel
 Location: Facility
 Setting: Industrial
 Risk Site: L
 Site Priority: 95E
 Priority Code: L
 Priority Update: 5/30/1998
 Dem Contact: BAR
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Responsible Parties
 Samples Include: Groundwater Samples
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: 34.32333333
 Longitude: -77.93333333
 Latitude Number: 341924
 Longitude Number: 775600
 Latitude Decimal: 34.323333333333
 Longitude Decimal: 77.933333333333
 GPS: NOD
 Agency: DWM
 Facility ID: 5624
 Last Modified: Not reported
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Signed: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

B3 **MARTIN MARIETTA CASTLE HAYNE QUARRY**
ESE **COUNTY ROAD 1002 E**
> 1 **CASTLE HAYNE, NC 28429**
6084 ft.

RCRA-SQG **1000411944**
FINDS **NCD981744972**

Site 1 of 3 in cluster B

Relative:
Equal

RCRAInfo:

Owner: MARTIN MARIETTA MATERIALS, INC.
 (919) 781-4550

Actual:
24 ft.

EPA ID: NCD981744972

Contact: MITCHELL SCOTT
 (919) 781-4550

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Database(s)
 EDR ID Number
 EPA ID Number

B4 ESE > 1 6084 ft.	DIAMOND SHAMROCK MARTIN-MARIETTA QUARR OFF STATE RD 1002 CASTLE HAYNE, NC 28429	RCRA-SQG FINDS RAATS CERC-NFRAP	1000301267 NCD042890525
---	--	--	--

Relative: Site 2 of 3 in cluster B

Equal RCRAInfo:
 Owner: MARTIN MARIETTA CORP
 EPA ID: NCD042890525
 Contact: JON MOON
 (910) 675-0301

Actual: Classification: Small Quantity Generator
 24 ft. TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/23/1985
Actual Date Achieved Compliance:	09/23/1985
Enforcement Action:	EPA TO STATE ADMINISTRATIVE REFERRAL
Enforcement Action Date:	09/23/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/28/1984
Actual Date Achieved Compliance:	02/28/1985
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	01/10/1985
Penalty Type:	Not reported

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850923
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850228

FINDS:

Other Pertinent Environmental Activity Identified at Site

RACT/BACT/LAER Clearinghouse (RBLC) data base contains case-specific information on the 'Best Available' air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). This information has been provided by State and local permitting agencies. The Clearinghouse also contains a regulation data base that summarizes EPA emission limits required in New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), and Maximum Achievable Control Technology (MACT) standards.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

DIAMOND SHAMROCK MARTIN-MARIETTA QUARR (Continued)

1000301267

CERC-NFRAP:

Site ID: 0402744
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):

Contact Name: Phil Vorsatz
Contact Tel: (404) 562-8789
Contact Title: Remedial Project Manager (RPM)

Contact Name: JON BORNHOLM
Contact Tel: (404) 562-8820
Contact Title: Remedial Project Manager (RPM)

Contact Name: Luis Flores
Contact Tel: (404) 562-8807
Contact Title: Remedial Project Manager (RPM)

Contact Name: KEN MALLARY
Contact Tel: (404) 562-8802
Contact Title: Remedial Project Manager (RPM)

Contact Name: MICHAEL TOWNSEND
Contact Tel: (404) 562-8813
Contact Title: Remedial Project Manager (RPM)

Contact Name: SAMANTHA URQUHART F
Contact Tel: (404) 562-8760
Contact Title: Remedial Project Manager (RPM)

Contact Name: KEN LUCAS
Contact Tel: (404) 562-8953
Contact Title: Remedial Project Manager (RPM)

Contact Name: Jennifer Wendel
Contact Tel: (404) 562-8799
Contact Title: Site Assessment Manager (SAM)

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: DIAMOND SHAMROCK MARTIN-MARIETTA QUARR
Alias Address: Not reported
NEW HANOVER, NC
Alias Name: DIAMOND SHAMROCK/CASTLE HAYNE PLANT
Alias Address: Not reported
NEW HANOVER, NC

Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/01/1979
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DIAMOND SHAMROCK MARTIN-MARIETTA QUARR (Continued)

1000301267

Date Completed: 03/01/1985
 Priority Level: Low

Action: SITE INSPECTION
 Date Started: Not reported
 Date Completed: 10/27/1989
 Priority Level: NFRAP (No Futher Remedial Action Planned)

Action: ARCHIVE SITE
 Date Started: Not reported
 Date Completed: 10/27/1989
 Priority Level: Not reported

B5 INTERNATIONAL PAPER COMPANY
ESE ROUTE 3, BOX 1884
> 1 CASTLE HAYNE, NC 28429
6131 ft.

UST U000819741
N/A

Relative:
Equal

Site 3 of 3 in cluster B

UST:
 Facility ID: 0-022935
 Region: 06
 Facility Telephone: (803) 546-2573
 Last Update: 05/03/96
 Owner Name: SAMPSON-BLADEN OIL COMPANY
 Owner Address: PO BOX 160 / 2174 HWY 701 SOUTH
 Owner City,St,Zip: ELIZABETHTOWN, NC 28337
 Owner Phone: (910) 862-3197
 Tank ID: T082
 Tank capacity: 5000
 Comment: Not reported
 Date installed: 02/05/84
 Date removed: / /
Status: Permanent Closed
 Tank product: Diesel, Diesel Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported

Actual:
24 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

INTERNATIONAL PAPER COMPANY (Continued)

U000819741

Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

6
SE
> 1
7941 ft.

SOUTH EAST FOREST PRODUCTS
2332 CHAIR ROAD
CASTLE HAYNE, NC

IMD S106022400
N/A

Relative:
Higher

IMD:

Actual:
35 ft.

Region: WIL
 Facility ID: 19024
 Date Occurred: 8/17/1998
 Submit Date: 9/28/1998
 GW Contam: No Groundwater Contamination detected
 Soil Contam: Not reported
 Incident Desc: 15 GAL HYDRAULIC FUEL RELEASE
 Operator: SULLIVAN, JOSEPH
 Contact Phone: 910-754-4709
 Owner Company: SOUTH EAST FOREST PRODUCTS
 Operator Address:583 HOLDEN BEACH ROAD, S.E.
 Operator City: SHALLOTTE
 Oper City,St,Zip: SHALLOTTE, NC 910-754-4709
 Ownership: Military
 Operation: Agricultural
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Spill-surface
 Type: Other petroleum product
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: NOD
 Priority Update: Not reported
 Dem Contact: CDR
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SOUTH EAST FOREST PRODUCTS (Continued)

S106022400

Latitude: Not reported
 Longitude: Not reported
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 19024
 Last Modified: 7/17/2006
 Incident Phase: Closed Out
 NOV Issued: 8/24/1998
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**C7
 ESE
 > 1
 8040 ft.**

**HORTICULTURAL CROPS RESEARCH
 3800 CASTLE HAYNE ROAD
 CASTLE HAYNE, NC 28429**

**FINDS 1007704801
 110018613945**

Site 1 of 2 in cluster C

**Relative:
 Higher**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 28 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

**C8
 ESE
 > 1
 8040 ft.**

**HORTICULTURAL CROPS RESEARCH
 3800 CASTLE HAYNE RD.
 CASTLE HAYNE, NC 28429**

**UST U000334943
 N/A**

Site 2 of 2 in cluster C

**Relative:
 Higher**

UST:
 Facility ID: 0-024329
 Region: 08
 Facility Telephone: (910) 675-2314
 Last Update: 06/05/01
 Owner Name: HORTICULTURAL CROPS RESEARCH
 Owner Address: ROUTE 2, BOX 610
 Owner City,St,Zip: CASTLE HAYNE, NC 28429

**Actual:
 28 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HORTICULTURAL CROPS RESEARCH (Continued)

U000334943

Owner Phone: (919) 675-2314
Tank ID: 1
Tank capacity: 1000
Comment: Not reported
Date installed: 03/23/74
Date removed: 01/09/76
Status: Permanent Closed
Tank product: Other, Non-Petroleum
Product Type: EXE
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-024329
Region: 08
Facility Telephone: (910) 675-2314
Last Update: 06/05/01
Owner Name: HORTICULTURAL CROPS RESEARCH
Owner Address: ROUTE 2, BOX 610
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 675-2314

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HORTICULTURAL CROPS RESEARCH (Continued)

U000334943

Tank ID: 2
Tank capacity: 1000
Comment: Not reported
Date installed: 03/23/74
Date removed: / /
Status: Currently In Use
Tank product: Fuel Oil
Product Type: HEA
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-024329
Region: 08
Facility Telephone: (910) 675-2314
Last Update: 06/05/01
Owner Name: HORTICULTURAL CROPS RESEARCH
Owner Address: ROUTE 2, BOX 610
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 675-2314
Tank ID: 3

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HORTICULTURAL CROPS RESEARCH (Continued)

U000334943

Tank capacity: 1000
Comment: FARM USE
Date installed: 03/22/76
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: EXE
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-024329
Region: 08
Facility Telephone: (910) 675-2314
Last Update: 06/05/01
Owner Name: HORTICULTURAL CROPS RESEARCH
Owner Address: ROUTE 2, BOX 610
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 675-2314
Tank ID: 4
Tank capacity: 500

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HORTICULTURAL CROPS RESEARCH (Continued)

U000334943

Comment: FARM USE
Date installed: 03/22/76
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: EXE
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-024329
Region: 08
Facility Telephone: (910) 675-2314
Last Update: 06/05/01
Owner Name: HORTICULTURAL CROPS RESEARCH
Owner Address: ROUTE 2, BOX 610
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 675-2314
Tank ID: 5
Tank capacity: 250
Comment: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HORTICULTURAL CROPS RESEARCH (Continued)

U000334943

Date installed: 03/23/74
Date removed: / /
Status: Currently In Use
Tank product: Fuel Oil
Product Type: HEA
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-024329
Region: 08
Facility Telephone: (910) 675-2314
Last Update: 06/05/01
Owner Name: HORTICULTURAL CROPS RESEARCH
Owner Address: ROUTE 2, BOX 610
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 675-2314
Tank ID: 6
Tank capacity: 500
Comment: Not reported
Date installed: 06/30/65

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

HORTICULTURAL CROPS RESEARCH (Continued)

U000334943

Date removed: / /
Status: Currently In Use
 Tank product: Fuel Oil
 Product Type: HEA
 Tank material: Unknown
 Interior Protection: Unknown
 Exterior Protection: Unknown
 Piping material: Unknown
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

9
East
> 1
9186 ft.

ROBINSONS CAR CARE
4332 CASTLE HAYNE ROAD
CASTLE HAYNE, NC

IMD S105043281
N/A

Relative:
Higher

IMD:

Actual:
25 ft.

Region: WIL
 Facility ID: 85800
 Date Occurred: 12/7/1999
 Submit Date: 8/5/2003
 GW Contam: No Groundwater Contamination detected
 Soil Contam: Not reported
 Incident Desc: GASOLINE CONTAMINATION OF SOILS DISCOVERED BY REGIONAL STAFF DURING
 TEMPORARY AUTO CRUSHING ACTIVITIES AT THE SUBJECT SITE. AS DIRECTED,

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ROBINSONS CAR CARE (Continued)

S105043281

THE RP EXCAVATED THE IM
Operator: ROBINSON, CORNELIUS
Contact Phone: 910-675-2721
Owner Company: ROBINSONS CAR CARE
Operator Address: 4332 CASTLE HAYNE ROAD
Operator City: CASTLE HAYNE
Oper City, St, Zip: CASTLE HAYNE 910-675-2721
Ownership: Federal
Operation: 8
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Spill-surface
Type: Gasoline/diesel
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 0
Priority Code: NOD
Priority Update: Not reported
Dem Contact: BRUCE PARRIS
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.328333
Longitude: -77.914722
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 85800
Last Modified: 8/5/2003
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 12/28/1999

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

10
ESE
> 1
9654 ft.

R.W. MOORE EQUIPMENT CO.
NORTHSIDE INDUSTRIAL PARK
WILMINGTON, NC 28402

UST **U001202197**
N/A

Relative:
Higher

UST:
 Facility ID: 0-025131
 Region: 08
 Facility Telephone: (919) 675-9211
 Last Update: 06/24/92
 Owner Name: R.W. MOORE EQUIPMENT CO.
 Owner Address: NORTHSIDE INDUSTRIAL PK POB 2533
 Owner City,St,Zip: WILMINGTON, NC 28402
 Owner Phone: (919) 675-9211
 Tank ID: 1
 Tank capacity: 2000
 Comment: Not reported
 Date installed: 02/10/83
 Date removed: 11/23/94
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: Unknown
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /

Actual:
28 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

R.W. MOORE EQUIPMENT CO. (Continued)

U001202197

Begin Certified Number: //
End Certified Number: //

Facility ID: 0-025131
Region: 08
Facility Telephone: (919) 675-9211
Last Update: 06/24/92
Owner Name: R.W. MOORE EQUIPMENT CO.
Owner Address: NORTHSIDE INDUSTRIAL PK POB 2533
Owner City,St,Zip: WILMINGTON, NC 28402
Owner Phone: (919) 675-9211
Tank ID: 2
Tank capacity: 1000
Comment: Not reported
Date installed: 02/10/83
Date removed: 11/23/94
Status: Permanent Closed
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: //
Corrosion Protection Piping Date: //
Spill Overfill Date: //
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: //
Tank Certified Number: Not reported
Date Last Certified: //
Begin Certified Number: //

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

R.W. MOORE EQUIPMENT CO. (Continued)

U001202197

End Certified Number: / /

Facility ID: 0-025131
Region: 08
Facility Telephone: (919) 675-9211
Last Update: 06/24/92
Owner Name: R.W. MOORE EQUIPMENT CO.
Owner Address: NORTHSIDE INDUSTRIAL PK POB 2533
Owner City,St,Zip: WILMINGTON, NC 28402
Owner Phone: (919) 675-9211
Tank ID: 3
Tank capacity: 500
Comment: Not reported
Date installed: 02/10/83
Date removed: 11/23/94
Status: Permanent Closed
Tank product: Oil, New/Used/Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

R.W. MOORE EQUIPMENT CO. (Continued)

U001202197

Facility ID: 0-025131
Region: 08
Facility Telephone: (919) 675-9211
Last Update: 06/24/92
Owner Name: R.W. MOORE EQUIPMENT CO.
Owner Address: NORTHSIDE INDUSTRIAL PK POB 2533
Owner City,St,Zip: WILMINGTON, NC 28402
Owner Phone: (919) 675-9211
Tank ID: 4
Tank capacity: 1000
Comment: Not reported
Date installed: 02/10/83
Date removed: 11/23/94
Status: Permanent Closed
Tank product: Kerosene, Kerosene Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

11 SE > 1 10151 ft.	CROWN NC-733 3540 CASTLE HAYNE ROAD WILMINGTON, NC 28401	FINDS	1007718063 110018746856
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Relative: **Higher** FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual: **33 ft.** NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

12 East > 1 10481 ft.	201 GOFF DR 201 GOFF DR CASTLE HAYNE, NC	ERNS	91209778 N/A
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Relative: **Equal** [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual: **24 ft.**

D13 East > 1 10770 ft.	HERMITAGE HOUSE REST HOME 4724 CASTLE HAYNE ROAD CASTLE HAYNE, NC 28429	FINDS	1004552175 110006674250
--	--	--------------	--

Relative: **Lower** **Site 1 of 2 in cluster D**
 FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual: **23 ft.** NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

SDWIS [WS] (Safe Drinking Water Information System (Water System)). Water Systems can have one or more water system facilities. The water system will purchase water from several facilities. Drinking water information is stored in EPA's SDWIS, which contains information about public water systems and their violations of EPA's regulations for safe drinking water. These statutes and accompanying regulations establish maximum contaminant levels (MCL), treatment techniques, and monitoring and reporting requirements to ensure that water provided to customers is safe for human consumption.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

D14 **HERMITAGE HOUSE REST HOME WWTP**
East **4724 CASTLE HAYNE RD**
> 1 **CASTLE HAYNE, NC 28429**
10781 ft.

NPDES **S107780213**
 N/A

Site 2 of 2 in cluster D

Relative:
Lower

NC NPDES:

Actual:
23 ft.

Permit Number: NC0051969
 Facility Address 2: Not reported
 Issue Date: 12-01-1982
 Region: Wilmington
 Owner Name: Bowden Nursing Home Inc
 Permit Type: Discharging 100% Domestic < 1MGD
 As-Built Flow (GPD): 12000
 Domestic %: 100
 Industrial %: 0
 Stormwater %: 0

NPDES REQUEST:

Permit: NC0051969
 Organization Name: Bowden Nursing Home Inc
 As Built Flow Qty GPD: 12000
 Permitted Flow Qty GPD: 12000
 Domestic PCT: 100
 Stormwater PCT: 0
 Industrial PCT: 0
 Admin Region Name: Wilmington
 Permit Type Desc: Discharging 100% Domestic < 1MGD
 Permit Status Desc: Expired
 Program Category: NPDES WW
 Project Type Desc: Renewal
 Is Major: Minor

E15 **4600 HWY 421 NORTH**
WSW **4600 HWY 421 NORTH**
> 1 **WILMINGTON, NC 28401**
11362 ft.

ERNS **2003705887**
 N/A

Site 1 of 27 in cluster E

Relative:
Lower

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
16 ft.

E16 **4600 HWY 421 NORTH**
WSW **4600 HWY 421 NORTH**
> 1 **WILMINGTON, NC**
11362 ft.

ERNS **2003652400**
 N/A

Site 2 of 27 in cluster E

Relative:
Lower

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
16 ft.

MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.)	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
E17	WSW	> 1	11362 ft.		4600 HWY 421 NORTH 4600 HWY 421 NORTH WILMINGTON, NC 28401	ERNS	2002622954	N/A
					Site 3 of 27 in cluster E			
					Relative: Lower	Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
					Actual: 16 ft.			
E18	WSW	> 1	11362 ft.		4600 HWY 421 NORTH 4600 HWY 421 NORTH WILMINGTON, NC 28401	ERNS	2002603796	N/A
					Site 4 of 27 in cluster E			
					Relative: Lower	Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
					Actual: 16 ft.			
E19	WSW	> 1	11362 ft.		4600 HWY 421 NORTH 4600 HWY 421 NORTH WILMINGTON, NC 28401	ERNS	2005601377	N/A
					Site 5 of 27 in cluster E			
					Relative: Lower	Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
					Actual: 16 ft.			
E20	WSW	> 1	11362 ft.		4600 HWY 421 NORTH 4600 HWY 421 NORTH WILMINGTON, NC	ERNS	2005624904	N/A
					Site 6 of 27 in cluster E			
					Relative: Lower	Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
					Actual: 16 ft.			
E21	WSW	> 1	11362 ft.		4600 HWY 421 NORTH 4600 HWY 421 NORTH WILMINGTON, NC 28401	ERNS	2005600860	N/A
					Site 7 of 27 in cluster E			
					Relative: Lower	Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
					Actual: 16 ft.			
E22	WSW	> 1	11362 ft.		4600 HWY 421 NORTH 4600 HWY 421 NORTH WILMINGTON, NC 28401	ERNS	2004711036	N/A
					Site 8 of 27 in cluster E			
					Relative: Lower	Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
					Actual: 16 ft.			

MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.)	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
E23	WSW	> 1	11362 ft.		4600 HWY 421 NORTH WILMINGTON, NC 28401 Site 9 of 27 in cluster E	ERNS	2001567982	N/A
					Relative: Lower	Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
					Actual: 16 ft.			
E24	WSW	> 1	11362 ft.		4600 HWY 421 NORTH WILMINGTON, NC 28401 Site 10 of 27 in cluster E	ERNS	2001562854	N/A
					Relative: Lower	Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
					Actual: 16 ft.			
E25	WSW	> 1	11362 ft.		INVISTA S.A.R.L. 4600 HIGHWAY 421 NORTH WILMINGTON, NC 28401 Site 11 of 27 in cluster E	FINDS	1008155921	110020502080
					Relative: Lower	FINDS: Other Pertinent Environmental Activity Identified at Site		
					Actual: 16 ft.	<p>ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.</p>		
E26	WSW	> 1	11362 ft.		ARTEVA SPECIALTIES, S.A.R.L. 4600 US HIGHWAY 421 NORTH WILMINGTON, NC 28402 Site 12 of 27 in cluster E	FINDS	1007713517	110018701172
					Relative: Lower	FINDS: Other Pertinent Environmental Activity Identified at Site		
					Actual: 16 ft.	<p>NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to</p>		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

ARTEVA SPECIALTIES, S.A.R.L. (Continued)

1007713517

comprehensive information about environmental regulated entities in the state of North Carolina.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

E27
 WSW
 > 1
 11362 ft.

FORTRON INDUSTRIES
 4600 HWY 421 N
 WILMINGTON, NC 28402

TRIS 1001199056
 28402FRTRNHW

Relative:
 Lower

Site 13 of 27 in cluster E

Actual:
 16 ft.

E28
 WSW
 > 1
 11362 ft.

4600 HIGHWAY 421 NORTH
 4600 HIGHWAY 421 NORTH
 WILMINGTON, NC 28402

ERNS 2003636683
 N/A

Relative:
 Lower

Site 14 of 27 in cluster E

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
 16 ft.

E29
 WSW
 > 1
 11362 ft.

10472 ROAD OLD NORTHWEST
 10472 ROAD OLD NORTHWEST
 QUINCY, WA 98848

ERNS 2004717764
 N/A

Relative:
 Lower

Site 15 of 27 in cluster E

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
 16 ft.

MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.)	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
E30	WSW	> 1	11362 ft.		4600 HWY 421 NORTH WILMINGTON, NC 28402	ERNS	2005631692	N/A
					Site 16 of 27 in cluster E			
Relative: Lower					Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.			
Actual: 16 ft.								
E31	WSW	> 1	11362 ft.		4600 HWY 421 N WILMINGTON, NC 28402	ERNS	96484188	N/A
					Site 17 of 27 in cluster E			
Relative: Lower					Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.			
Actual: 16 ft.								
E32	WSW	> 1	11362 ft.		4600 HWY 421 N WILMINGTON, NC 28402	ERNS	96486241	N/A
					Site 18 of 27 in cluster E			
Relative: Lower					Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.			
Actual: 16 ft.								
E33	WSW	> 1	11362 ft.		4600 HWY 421 NORTH WILMINGTON, NC 28402	ERNS	96488259	N/A
					Site 19 of 27 in cluster E			
Relative: Lower					Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.			
Actual: 16 ft.								
E34	WSW	> 1	11362 ft.		HOECHST CELANESE -SPRAY FIELD 4600 HWY 421 NORTH WILMINGTON, NC	IMD	S104913471	N/A
					Site 20 of 27 in cluster E			
Relative: Lower					IMD:			
Actual: 16 ft.					Region: WIL			
					Facility ID: 10146			
					Date Occurred: 8/11/1997			
					Submit Date: 4/30/1993			
					GW Contam: Yes, Groundwater Contamination has been detected			
					Soil Contam: Yes			
					Incident Desc: SITE WIDE ASSESSMENT UNDERWAY			
					Operator: WHITE, LISA			
					Contact Phone: Not reported			
					Owner Company: KOSA			
					Operator Address: P.O. BOX 327, 4600 HWY. 421 NORTH			
					Operator City: WILMINGTON			
					Oper City, St, Zip: WILMINGTON			
					Ownership: Federal			

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HOECHST CELANESE -SPRAY FIELD (Continued)

S104913471

Operation: Mining
Material: PARAXYLENE
Qty Lost 1: Not reported
Qty Recovered 1: 3086
Source: Dredge Spoil
Type: Other organics
Location: Facility
Setting: Industrial
Risk Site: No
Site Priority: Not reported
Priority Code: B
Priority Update: Not reported
Dem Contact: SETH CHIPMAN
Wells Affected: No
Num Affected: 2
Wells Contam: Not reported
Sampled By: Respons ble Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: CC31G
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 10146
Last Modified: 7/30/2003
Incident Phase: RE
NOV Issued: 9/15/1997
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: 3/12/1999
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 10529
Date Occurred: 11/15/1998
Submit Date: 7/20/1993
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: SITE WIDE ASSESSMENT UNDERWAY Sitewide CAP proposing Natural Attenuation approved for site on 07/30/2004.

Operator: WHITE, LISA
Contact Phone: Not reported
Owner Company: KOSA
Operator Address:P.O. BOX 327, 4600 HWY 421 NORTH
Operator City: WILMINGTON
Oper City,St,Zip: WILMINGTON, NC

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HOECHST CELANESE -SPRAY FIELD (Continued)

S104913471

Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Spill-surface
Type: Other organics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: B
Priority Update: Not reported
Dem Contact: SETH CHIPMAN
Wells Affected: No
Num Affected: 2
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 10529
Last Modified: 8/17/2004
Incident Phase: Follow Up
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: 1/15/1999
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 10530
Date Occurred: 9/15/1997
Submit Date: 7/20/1993
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: SITEWIDE ASSESSMENT UNDERWAY
Operator: WHITE, LISA
Contact Phone: Not reported
Owner Company: KOSA
Operator Address:P.O. BOX 327 HWY 421 NORTH
Operator City: WILMINGTON
Oper City,St,Zip: WILMINGTON, NC

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HOECHST CELANESE -SPRAY FIELD (Continued)

S104913471

Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Spill-surface
Type: Other organics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: B
Priority Update: Not reported
Dem Contact: SETH CHIPMAN
Wells Affected: No
Num Affected: 2
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 10530
Last Modified: 8/17/2004
Incident Phase: Follow Up
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: 7/30/2004
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 10531
Date Occurred: 12/16/1998
Submit Date: 7/20/1993
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: SITE WIDE ASSESMENT UNDERWAY
Operator: WHITE, LISA
Contact Phone: Not reported
Owner Company: KOSA
Operator Address:P.O. BOX 327 4600 HWY 421 NORTH
Operator City: WILMINGTON
Oper City,St,Zip: WILMINGTON

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HOECHST CELANESE -SPRAY FIELD (Continued)

S104913471

Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Spill-surface
Type: Other petroleum product
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: B
Priority Update: Not reported
Dem Contact: SETH CHIPMAN
Wells Affected: No
Num Affected: 2
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 10531
Last Modified: 7/30/2003
Incident Phase: Follow Up
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 5603
Date Occurred: 3/15/1998
Submit Date: 8/17/2004
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: SPRAYFIELD SYSTEM TO BE ELIMINATED ENDING WASTE WATER UPGRADES.
Sitewide CAP proposing Monitored Natural Attenuation approved
07/30/2004.
Operator: WHITE, LISA
Contact Phone: Not reported
Owner Company: KOSA
Operator Address:P.O. BOX 327 4600 HWY. 421 NORTH

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HOECHST CELANESE -SPRAY FIELD (Continued)

S104913471

Operator City: WILMINGTON
Oper City,St,Zip: WILMINGTON, NC
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Spray irrigation
Type: Other organics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 190
Priority Code: B
Priority Update: Not reported
Dem Contact: SETH CHIPMAN
Wells Affected: Yes
Num Affected: 2
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.314722
Longitude: -77.985277
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 5603
Last Modified: 8/17/2004
Incident Phase: Follow Up
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: 7/30/2004
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 6584
Date Occurred: 5/22/1991
Submit Date: 5/14/2004
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: CHARACTERIZATION PLAN FOR BLACK CREEK AND PEEDEE AQUIFER TO BE
SUBMITTED
Operator: BEVIS, JIM
Contact Phone: Not reported
Owner Company: HERCULES INC.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HOECHST CELANESE -SPRAY FIELD (Continued)

S104913471

Operator Address:1313 NORTH MARKET STREET
Operator City: WILMINGTON
Oper City,St,Zip: WILMINGTON, DE
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Intentional dump
Type: Other organics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 190
Priority Code: B
Priority Update: Not reported
Dem Contact: SETH CHIPMAN
Wells Affected: Yes
Num Affected: 2
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.314722
Longitude: -77.985277
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 6584
Last Modified: 5/14/2004
Incident Phase: AS
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 6603
Date Occurred: 5/29/1991
Submit Date: 8/17/2004
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: SITEWIDE ASSESSMENT UNDERWAY (2001). SEWER REPLACEMENT - A, B, C, & D
LINES UNDERWAY.
Operator: OLP, STEVE
Contact Phone: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HOECHST CELANESE -SPRAY FIELD (Continued)

S104913471

Owner Company: CELANESE AMERICAS CORPORATION
Operator Address:P.O. BOX 32414
Operator City: CARLOTTE
Oper City,St,Zip: CARLOTTE, NC
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Sewer line
Type: Other organics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 190
Priority Code: B
Priority Update: Not reported
Dem Contact: SETH CHIPMAN
Wells Affected: Yes
Num Affected: 2
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.314722
Longitude: -77.985277
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 6603
Last Modified: 8/17/2004
Incident Phase: AS
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: 7/30/2004
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

E35
WSW
> 1
11362 ft.

HOECHST CELANESE - #6 SPILL (C
4600 HWY. 421 NORTH
WILMINGTON, NC

IMD S104913462
N/A

Site 21 of 27 in cluster E

Relative:
Lower

IMD:

Actual:
16 ft.

Region: WIL
 Facility ID: 10145
 Date Occurred: 2/25/1996
 Submit Date: 4/30/1993
 GW Contam: Yes, Groundwater Contamination has been detected
 Soil Contam: Not reported
 Incident Desc: SITE WIDE ASSESSMENT UNDER WAY.
 Operator: WHITE, LISA
 Contact Phone: Not reported
 Owner Company: KOSA
 Operator Address: P.O BOX 327, 4600 HWY. 421 NORTH
 Operator City: WILMINGTON
 Oper City, St, Zip: WILMINGTON
 Ownership: Federal
 Operation: Mining
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Spill-surface
 Type: Other petroleum product
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: B
 Priority Update: Not reported
 Dem Contact: SETH CHIPMAN
 Wells Affected: No
 Num Affected: 2
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 10145
 Last Modified: 7/30/2003
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: 2/25/1996
 SOC Sighned: Not reported
 Reclassification Report: Not reported

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

HOECHST CELANESE - #6 SPILL (C (Continued))

S104913462

RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

E36 WSW > 1 11362 ft.	4600 HWY 421 NORTH 4600 HWY 421 NORTH WILMINGTON, NC 28401 Site 22 of 27 in cluster E	ERNS	99650712 N/A
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Relative: Lower
[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual: 16 ft.

E37 WSW > 1 11362 ft.	4600 HWY 421 NORTH 4600 HWY 421 NORTH WILMINGTON, NC 28401 Site 23 of 27 in cluster E	ERNS	984614151 N/A
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Relative: Lower
[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual: 16 ft.

E38 WSW > 1 11362 ft.	4600 HWY 421 NORTH 4600 HWY 421 NORTH WILMINGTON, NC 28401 Site 24 of 27 in cluster E	ERNS	984614150 N/A
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Relative: Lower
[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual: 16 ft.

E39 WSW > 1 11362 ft.	4600 HIGHWAY 421 NORTH 4600 HIGHWAY 421 NORTH WILMINGTON, NC 28401 Site 25 of 27 in cluster E	ERNS	96489612 N/A
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Relative: Lower
[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual: 16 ft.

E40 WSW > 1 11362 ft.	INVISTA 4600 4600 HWY 421 N WILMINGTON, NC 28401 Site 26 of 27 in cluster E	CERCLIS FINDS RCRA-LQG TRIS IMD NJ MANIFEST	1000994162 28402CPNDSHI
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Relative: Lower
 CERCLIS:
 Site ID: 0403139
 Federal Facility: Not a Federal Facility
 NPL Status: Not on the NPL
 Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

Actual: 16 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

INVISTA (Continued)

1000994162

CERCLIS Site Contact Name(s):

Contact Name: Phil Vorsatz
Contact Tel: (404) 562-8789
Contact Title: Remedial Project Manager (RPM)

Contact Name: JON BORNHOLM
Contact Tel: (404) 562-8820
Contact Title: Remedial Project Manager (RPM)

Contact Name: Luis Flores
Contact Tel: (404) 562-8807
Contact Title: Remedial Project Manager (RPM)

Contact Name: KEN MALLARY
Contact Tel: (404) 562-8802
Contact Title: Remedial Project Manager (RPM)

Contact Name: MICHAEL TOWNSEND
Contact Tel: (404) 562-8813
Contact Title: Remedial Project Manager (RPM)

Contact Name: SAMANTHA URQUHART F
Contact Tel: (404) 562-8760
Contact Title: Remedial Project Manager (RPM)

Contact Name: KEN LUCAS
Contact Tel: (404) 562-8953
Contact Title: Remedial Project Manager (RPM)

Contact Name: Jennifer Wendel
Contact Tel: (404) 562-8799
Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):

Alias Name: HERCOFINA
Alias Address: Not reported
NEW HANOVER, NC
Alias Name: HERCOFINA/HANOVER PLT
Alias Address: Not reported
NEW HANOVER, NC
Alias Name: HANOVER PLT INJ WELL (HERCOFINA)
Alias Address: Not reported
NEW HANOVER, NC
Alias Name: HERCOFINA/HANOVER PLT
Alias Address: Not reported
NEW HANOVER, NC
Alias Name: HANOVER PLT WST ACT SLUDGE LA (HERCOFINA)
Alias Address: Not reported
NEW HANOVER, NC
Alias Name: HANOVER PLT PROC WST LA (HERCOFINA)
Alias Address: Not reported
NEW HANOVER, NC
Alias Name: NEW HANOVER CO LDFL
Alias Address: Not reported
NEW HANOVER, NC

Site Description: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

INVISTA (Continued)

1000994162

CERCLIS Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	11/01/1979
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	11/01/1984
Priority Level:	Low
Action:	SITE INSPECTION
Date Started:	Not reported
Date Completed:	06/13/1990
Priority Level:	Low

FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

INVISTA (Continued)

1000994162

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

RCRAInfo:

Owner: ARTEVA SPECIALTIES, S.A.R.L,
 (910) 341-5919
 EPA ID: NCD990734055
 Contact: Not reported
 Classification: Large Quantity Generator
 TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2005

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	15675.00	D002	180.00
D007	180.00	D009	230.00
D011	180.00	D018	900.00
D022	3350.00	D035	5600.00
D038	4200.00	F003	7550.00
F005	11750.00	U144	10.00

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

INVISTA (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000994162

U239 4000.00

Violation Status: Violations exist

Regulation Violated: Not reported
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 11/15/2005
 Actual Date Achieved Compliance: 12/16/2006

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 11/15/2005
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Date Violation Determined: 11/21/2002
 Actual Date Achieved Compliance: 01/09/2003

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 11/21/2002
 Penalty Type: Not reported

Regulation Violated: 262.34
 Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Date Violation Determined: 11/23/1998
 Actual Date Achieved Compliance: 12/25/1998

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 11/23/1998
 Penalty Type: Not reported

Regulation Violated: 268.7
 Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
 Date Violation Determined: 07/10/1991
 Actual Date Achieved Compliance: 08/08/1991

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 07/10/1991
 Penalty Type: Not reported

There are 4 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	20061216
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20030109
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19981225
Compliance Schedule Evaluation	GENERATOR-LAND BAN REQUIREMENTS	19910808

IMD:

Region: WIL
 Facility ID: 14684
 Date Occurred: 3/15/2000
 Submit Date: 8/17/2004
 GW Contam: Yes, Groundwater Contamination has been detected
 Soil Contam: Not reported
 Incident Desc: SITEWIDE ASSESSMENT ONGOING
 Operator: WHITE, LISA
 Contact Phone: Not reported
 Owner Company: KOSA
 Operator Address: P.O. BOX 327, 4600 HWY 421 NORTH
 Operator City: WILMINGTON
 Oper City, St, Zip: WILMINGTON, NC

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

INVISTA (Continued)

1000994162

Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Sewer line
Type: Other organics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 190
Priority Code: B
Priority Update: Not reported
Dem Contact: SETH CHIPMAN
Wells Affected: Yes
Num Affected: 2
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.314722
Longitude: -77.985277
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 14684
Last Modified: 8/17/2004
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: 7/30/2004
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 16295
Date Occurred: 6/12/2000
Submit Date: 9/23/1996
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: SITEWIDE ASSESSMENT ONGOING
Operator: WHITE, LISA
Contact Phone: Not reported
Owner Company: KOSA
Operator Address: P.O. BOX 327, 4600 HWY 421 NORTH
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

INVISTA (Continued)

1000994162

Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Unknown
Type: Other petroleum product
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: B
Priority Update: Not reported
Dem Contact: SETH CHIPMAN
Wells Affected: No
Num Affected: 2
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 16295
Last Modified: 7/30/2003
Incident Phase: Follow Up
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

NJ MANIFEST:

Manifest Code: NJA5063498
EPA ID: NCD990734055
Date Shipped: 20040728
TSDF EPA ID: NJD002385730
Transporter EPA ID: NJD054126164
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 040728
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040729
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Data Entry Number: 08250421

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

INVISTA (Continued)

1000994162

Reference Manifest Number: Not reported
 Was Load Rejected (Y/N): No
 Reason Load Was Rejected: Not reported
 Waste Code: Not reported
 Quantity: Not reported
 Unit: Not reported
 Hand Code: Not reported

E41
WSW
 > 1
 11362 ft.

4600 HWY 421 N
4600 HWY 421 N
WILMINGTON, NC 28402

ERNS 98429152
N/A

Site 27 of 27 in cluster E

Relative:
 Lower

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
 16 ft.

42
East
 > 1
 11366 ft.

ST STANISLAUS CATHOLIC CHURCH
4849 CASTLE HAYNE ROAD
CASTLE HAYNE, NC 28429

FINDS 1007696620
110018532051

Relative:
 Equal

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
 24 ft.

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F43
East
 > 1
 11708 ft.

CASTLE HAYNE CEMENT CORP
110 CROWATAN DR
CASTLE HAYNE, NC 28429

RCRA-SQG 1004744912
FINDS NCD980709042

Site 1 of 2 in cluster F

Relative:
 Higher

Actual:
 25 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CASTLE HAYNE CEMENT CORP (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1004744912

RCRAInfo:

Owner: ALTON PARKER
 EPA ID: NCD980709042

Contact: ALTON PARKER
 (910) 675-3218

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

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F44
East
> 1
11825 ft.

R.W. MOORE EQUIPMENT CO., INC.
113 CROATAN RD.
CASTLE HAYNE, NC

LUST S103130338
IMD N/A

Site 2 of 2 in cluster F

Relative:
Higher

LUST:

Actual:
26 ft.

Facility ID:	Not reported	UST Number:	WI-1241
Incident Number:	13816	Lat/Long Decimal:	0 0
Lat/Long:	341936 775455		
Testlat:	Not reported		
Regional Officer Project Mgr:	DTM		
Region:	Wilmington		
Company:	R. W. MOORE EQUIPMENT COMPANY,		
Contact Person:	MR. MARVIN PRINCE		
Telephone:	Not reported		
RP Address:	P.O. BOX 25068		
RP City,St,Zip:	RALEIGH, NC 27611-		
RP County:	Not reported		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	H		
Risk Class Based On Review:	L		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Tank Regulated Status:	R		
Contamination Type:	Groundwater/Both		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	12/29/1994	Date Occur:	11/23/1994
NOV Issue Date:	5/5/1995	NORR Issue Date:	6/23/1995
Site Priority:	75B	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	3/12/2003		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

R.W. MOORE EQUIPMENT CO., INC. (Continued)

S103130338

MTBE: Not reported
Flag: No
LUR Filed: Not reported
GPS Confirmed: Not reported
Current Status: File Located in Archives
PETOPT: 3
CD Num: 176
RPOW: Yes
Error Flag: 0
Error Code: Not reported
Last Modified: Not reported
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported
Comments: gw encountered in pit. Peizometer installed and gw sample taken in tank closure addendum report. TICs. Only. NFA.

MTBE1: No
Flag1: No
Release Detection: 0
Cleanup: Not reported
RBCA GW: Not reported
RPL: No
Reel Num: 3911
RPOP: No
Valid: No

IMD:

Region: WIL
Facility ID: 15886
Date Occurred: 8/1/1995
Submit Date: 7/16/1996
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: UPON REMOVAL OF 4 USTS, SOIL AND GW CONTAM. WERE CONFIRMED.
Operator: MARVIN PRINCE
Contact Phone: Not reported
Owner Company: R.W. MOORE EQUIPMENT CO.
Operator Address: P.O. BOX 25068
Operator City: RALEIGH
Oper City, St, Zip: RALEIGH, NC 27611
Ownership: Private
Operation: Industrial
Material: DIESEL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: WASTE OIL
Qty Lost: Not reported
Qty Recovered: Not reported
Material: GASOLINE
Qty Lost: Not reported
Qty Recovered 3: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Rural
Risk Site: No
Site Priority: 75B
Priority Code: B

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

R.W. MOORE EQUIPMENT CO., INC. (Continued)

S103130338

Priority Update: Not reported
Dem Contact: Not reported
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Groundwater Samples
7.5 Min Quad: Not reported
5 Min Quad: CC30E
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: NOD
Agency: Not reported
Facility ID: 15886
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 86474
Date Occurred: 3/30/1995
Submit Date: 8/5/2003
GW Contam: No data entered (data entry person submitted a blank field)
Soil Contam: Not reported
Incident Desc: LEAK SLOPS AND SPILLS DISCOVERED DURING COMPLAINT INV. FROM STEAM
CLEANING AND GEN. MAINT. RP EXCAVATED EFFECTED AREAS, SENT CONTAM.
SOILS TO MCGILL ENV. FORMER
Operator: MARVIN PRINCE, SAFETY COORD., MR.
Contact Phone: 919-772-2121
Owner Company: R.W. MOORE EQUIPMENT CO.
Operator Address: P.O. BOX 25068
Operator City: RALEIGHT
Oper City, St, Zip: RALEIGHT 919-772-2121
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Spill-surface
Type: Other petroleum product
Location: Not reported
Setting: Not reported
Risk Site: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

R.W. MOORE EQUIPMENT CO., INC. (Continued)

S103130338

Site Priority: 0
 Priority Code: NOD
 Priority Update: Not reported
 Dem Contact: N/A
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: 34.328888
 Longitude: -77.907777
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 86474
 Last Modified: 8/5/2003
 Incident Phase: Closed Out
 NOV Issued: 5/5/1995
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 6/17/1995

G45 CAPE INDUSTRIES
WSW P.O. BOX 327 HWY 421 N.
> 1 WILMINGTON, NC 28402
11917 ft.

UST 1000478671
N/A

Site 1 of 2 in cluster G

Relative:
Lower

UST:
 Facility ID: 0-020537
 Region: 08
 Facility Telephone: (910) 341-5577
 Last Update: 03/23/94
 Owner Name: CAPE INDUSTRIES
 Owner Address: P.O. BOX 327 HWY 421 N.
 Owner City,St,Zip: WILMINGTON, NC 28402
 Owner Phone: (910) 763-9841
 Tank ID: 1
 Tank capacity: 2200
 Comment: 8006619
 Date installed: 05/15/71
 Date removed: 03/14/90
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel

Actual:
16 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CAPE INDUSTRIES (Continued)

1000478671

Interior Protection: Unknown
 Exterior Protection: Unknown
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

 Facility ID: 0-020537
 Region: 08
 Facility Telephone: (910) 341-5577
 Last Update: 03/23/94
 Owner Name: CAPE INDUSTRIES
 Owner Address: P.O. BOX 327 HWY 421 N.
 Owner City,St,Zip: WILMINGTON, NC 28402
 Owner Phone: (910) 763-9841
 Tank ID: 2
 Tank capacity: 125
 Comment: 8006619
 Date installed: 05/14/74
 Date removed: 01/10/88
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: Unknown

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CAPE INDUSTRIES (Continued)

1000478671

Exterior Protection: Unknown
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-020537
Region: 08
Facility Telephone: (910) 341-5577
Last Update: 03/23/94
Owner Name: CAPE INDUSTRIES
Owner Address: P.O. BOX 327 HWY 421 N.
Owner City,St,Zip: WILMINGTON, NC 28402
Owner Phone: (910) 763-9841
Tank ID: 2A
Tank capacity: 59000
Comment: METHANOL
Date installed: 09/25/72
Date removed: / /
Status: Currently In Use
Tank product: Other, Non-Petroleum
Product Type: EXE
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: None

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CAPE INDUSTRIES (Continued)

1000478671

Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

G46
WSW
> 1
11917 ft.

HERCOFINA/CAPE INDUSTRIES
HWY 421 N
WILMINGTON, NC

SHWS S103554396
N/A

Relative:
Lower

Site 2 of 2 in cluster G

SHWS:
 Facility ID: NCD990734055
 Facility Status: In Hazardous Sites Inventory

Actual:
16 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

47
SSE
> 1
12618 ft.

OAKLEY MHP
2206 OAKLEY ROAD
CASTLE HAYNE, NC 28429

FINDS **1007714247**
110018708503

Relative: **Equal**
 FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual: **24 ft.**
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48
ESE
> 1
12718 ft.

326 HERMITAGE RD
CASTLE HAYNE, NC

HMIRS **91090283**
N/A

Relative: **Higher**
[Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

Actual: **29 ft.**

H49
SSE
> 1
12935 ft.

DILLMAN PROPERTY
2401 OAKLEY ROAD
CASTLE HAYNE, NC

LUST **S106349385**
IMD **N/A**

Relative: **Higher**

Site 1 of 2 in cluster H

LUST:

Actual: **33 ft.**

Facility ID:	Not reported	UST Number:	WI-2377
Incident Number:	32123	Lat/Long Decimal:	34.300555 77.931111
Lat/Long:	34 18 1.98 77 55 51.96		
Testlat:	Not reported		
Regional Officer Project Mgr:	SAK		
Region:	Wilmington		
Company:	Not reported		
Contact Person:	MR. WINFIELD KELLY, POA		
Telephone:	9106208688		
RP Address:	4801 ILEX DR.		
RP City,St,Zip:	WILMINGTON, NC 28412-		
RP County:	Not reported		
Comm / Non-comm UST Site:	NON COMMERCIAL		
Risk Classification:	H		
Risk Class Based On Review:	H		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Soil to Groundwater		
Tank Regulated Status:	Non Regulated		
Contamination Type:	Groundwater/Both		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	2/13/2004	Date Occur:	2/13/2004
NOV Issue Date:	Not reported	NORR Issue Date:	Not reported
Site Priority:	Not reported	Phase Of LSA Req:	1

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

DILLMAN PROPERTY (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S106349385

Site Risk Reason:	Not reported	Land Use:	Residential
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	Not reported		
MTBE:	No	MTBE1:	No
Flag:	No	Flag1:	Not reported
LUR Filed:	Not reported	Release Detection:	Not reported
GPS Confirmed:	7	Cleanup:	2/12/2004
Current Status:	File Located in House	RBCA GW:	Not reported
PETOPT:	4	RPL:	No
CD Num:	Not reported	Reel Num:	Not reported
RPOW:	Yes	RPOP:	No
Error Flag:	Not reported		
Error Code:	Not reported	Valid:	No
Last Modified:	Not reported		
Incident Phase:	Response		
NOV Issued:	Not reported		
NORR Issued:	11/4/2004		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighed:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		
Comments:	Closure sample TPH DRO 450 ppm; All soil constituents were below soil-to-groundwater msc., 23 tons contaminated soil removed at ust closure, has eph above 2L stds., stop funding sent 11/04		

IMD:

Region: WIL
 Facility ID: 32123
 Date Occurred: 2/13/2004
 Submit Date: 2/13/2004
 GW Contam: Yes, Groundwater Contamination has been detected
 Soil Contam: No
 Incident Desc: Soil contamination confirmed during tank closure. TPH DRO 150 ppm.
 Operator: MR. WINFIELD KELLY, POA
 Contact Phone: 9106208688
 Owner Company: Not reported
 Operator Address: 4801 ILEX DR.
 Operator City: WILMINGTON
 Oper City, St, Zip: WILMINGTON, NC 28412-
 Ownership: Private
 Operation: Residential
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Leak-underground
 Type: Gasoline/diesel
 Location: Residence
 Setting: Not reported
 Risk Site: H
 Site Priority: Not reported
 Priority Code: Not reported
 Priority Update: Not reported
 Dem Contact: SAK

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DILLMAN PROPERTY (Continued)

S106349385

Wells Affected: No
 Num Affected: Not reported
 Wells Contam: Not reported
 Sampled By: y
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: 34.30027777
 Longitude: -77.93083333
 Latitude Number: 341801
 Longitude Number: 775551
 Latitude Decimal: 34.3002777777778
 Longitude Decimal: 77.9308333333333
 GPS: 7
 Agency: DWM
 Facility ID: 32123
 Last Modified: Not reported
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: 11/4/2004
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

H50
 SSE
 > 1
 12935 ft.

**DILLMAN PROPERTY
 2401 OAKLEY RD
 CASTLE HAYNE, NC**

**LUST TRUST S106616821
 N/A**

**Relative:
 Higher**

Site 2 of 2 in cluster H

**Actual:
 33 ft.**

LUST TRUST:
 Facility ID: NA
 Site ID: 32123
 Site Note: Not reported
 Site Eligible?: True
 Commercial Find: 100% Non-Commercial
 Priority Rank: Not reported
 Deductable Amount: 0
 3rd Party Deductable Amt: 0
 Sum 3rd Party Amt Applied: 0

[Click this hyperlink](#) while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.)	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
51	ESE	> 1	13004 ft.		DOUBLE R INCORPORATED 310 CHESTERFIELD ROAD CASTLE HAYNE, NC 28429	FINDS	1009653038	110027385130
Relative:	Higher	FINDS: Other Pertinent Environmental Activity Identified at Site						
Actual:	30 ft.	NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.						
<hr/>								
52	East	> 1	13321 ft.		CASTLE HAYNE PARK 4700 OLD AVENUE WILMINGTON, NC 28401	FINDS	1007715076	110018716825
Relative:	Higher	FINDS: Other Pertinent Environmental Activity Identified at Site						
Actual:	26 ft.	NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.						
<hr/>								
153	SSE	> 1	13613 ft.		THE PANTRY #444 3053 CASTLE HAYNE ROAD WILMINGTON, NC 28412	FINDS	1007715168	110018717762
		Site 1 of 2 in cluster I						
Relative:	Higher	FINDS: Other Pertinent Environmental Activity Identified at Site						
Actual:	31 ft.	NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.						

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

I54
 SSE
 > 1
 13613 ft.

THE PANTRY 444
3052 CASTLE HAYNE RD.
WILMINGTON, NC 28409

UST **U001200535**
 N/A

Site 2 of 2 in cluster I

Relative:
Higher

UST:

Actual:
31 ft.

Facility ID: 0-022585
 Region: 08
 Facility Telephone: (919) 774-6700
 Last Update: 06/29/04
 Owner Name: THE PANTRY. INC
 Owner Address: PO BOX 1410/1801 DOUGLAS DRIVE
 Owner City,St,Zip: SANFORD, NC 27330
 Owner Phone: (919) 774-6700
 Tank ID: 1
 Tank capacity: 10000
 Comment: Not reported
 Date installed: 06/05/84
 Date removed: / /
Status: Currently In Use
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Fiberglass Reinforced Plastic
 Interior Protection: FRP
 Exterior Protection: FRP
 Piping material: FRP
 Certify Type: Not reported
 Leak Detection Type: Inventory control
 Leak Detection Piping 1: Line tightness testingg
 Corrosn Protec Tank: FRP tank/piping
 Corrosn Protec Pipe: FRP tank/piping
 Spill and Overfill: Catchment basins
 Financial Responsibility: LETTER OF CREDIT/S.F
 Latitude: 34.30271
 Latitude 1: 34 18 09.76
 Longitude: 77.92215
 Longitude 1: 77 55 19.75
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: E
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Statistical inventory reconciliation
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: D
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 2006073490

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

THE PANTRY 444 (Continued)

U001200535

Date Last Certified: 08/09/06
 Begin Certified Number: 01/10/06
 End Certified Number: / /

Facility ID: 0-022585
 Region: 08
 Facility Telephone: (919) 774-6700
 Last Update: 06/29/04
 Owner Name: THE PANTRY, INC
 Owner Address: PO BOX 1410/1801 DOUGLAS DRIVE
 Owner City,St,Zip: SANFORD, NC 27330
 Owner Phone: (919) 774-6700
 Tank ID: 2
 Tank capacity: 10000
 Comment: Not reported
 Date installed: 06/05/84
 Date removed: / /

Status: Currently In Use

Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Fiberglass Reinforced Plastic
 Interior Protection: FRP
 Exterior Protection: FRP
 Piping material: FRP
 Certify Type: Not reported
 Leak Detection Type: Inventory control
 Leak Detection Piping 1: Line tightness testingg
 Corrosn Protec Tank: FRP tank/piping
 Corrosn Protec Pipe: FRP tank/piping
 Spill and Overfill: Catchment basins
 Financial Responsibility: LETTER OF CREDIT/S.F
 Latitude: 34.30271
 Latitude 1: 34 18 09.76
 Longitude: 77.92215
 Longitude 1: 77 55 19.75
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: E
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Statistical inventory reconciliation
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: D
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 2006073490
 Date Last Certified: 08/09/06

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

THE PANTRY 444 (Continued)

U001200535

Begin Certified Number: 01/10/06
 End Certified Number: / /

Facility ID: 0-022585
 Region: 08
 Facility Telephone: (919) 774-6700
 Last Update: 06/29/04
 Owner Name: THE PANTRY. INC
 Owner Address: PO BOX 1410/1801 DOUGLAS DRIVE
 Owner City,St,Zip: SANFORD, NC 27330
 Owner Phone: (919) 774-6700
 Tank ID: 3
 Tank capacity: 10000
 Comment: Not reported
 Date installed: 06/05/84
 Date removed: / /

Status: Currently In Use

Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Fiberglass Reinforced Plastic
 Interior Protection: FRP
 Exterior Protection: FRP
 Piping material: FRP
 Certify Type: Not reported
 Leak Detection Type: Inventory control
 Leak Detection Piping 1: Line tightness testingg
 Corrosn Protec Tank: FRP tank/piping
 Corrosn Protec Pipe: FRP tank/piping
 Spill and Overfill: Catchment basins
 Financial Responsibility: LETTER OF CREDIT/S.F
 Latitude: 34.30271
 Latitude 1: 34 18 09.76
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 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Statistical inventory reconciliation
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: D
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 2006073490
 Date Last Certified: 08/09/06
 Begin Certified Number: 01/10/06

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s) EDR ID Number
 EPA ID Number

THE PANTRY 444 (Continued)

U001200535

End Certified Number: / /

55
ENE
 > 1
13621 ft.

109 CASTLE COVE LANE
109 CASTLE COVE LANE
CASTLE HAYNE, NC 28429

ERNS 92269306
N/A

Relative:
Lower

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
19 ft.

56
SSE
 > 1
14336 ft.

BURTON PROPERTY UST
102 RITTER DR.
WILMINGTON, NC

LUST S102443362
IMD N/A

Relative:
Lower

LUST:

Actual:
9 ft.

Facility ID: Not reported	UST Number: WI-1412
Incident Number: 16737	
Lat/Long: 34.298203149 77.922474256	Lat/Long Decimal: 34.298203149 77.922474256
Testlat: Not reported	
Regional Officer Project Mgr: DTM	
Region: Wilmington	
Company: BURTON STEEL COMPNAY	
Contact Person: MR. ROBERT WHITE JOHNSON, RA	
Telephone: Not reported	
RP Address: P. O. B OX 660	
RP City,St,Zip: WILMINGTON, NC 28402-	
RP County: Not reported	
Comm / Non-comm UST Site: COMMERCIAL	
Risk Classification: H	
Risk Class Based On Review: H	
Corrective Action Plan Type: Not reported	
Level Of Soil Cleanup Achieved: Soil to Groundwater	
Tank Regulated Status: R	
Contamination Type: Groundwater/Both	
Source Type: Leak-underground	Product Type: PETROLEUM
Date Reported: 11/25/1996	Date Occur: 1/8/1997
NOV Issue Date: Not reported	NORR Issue Date: 8/10/2000
Site Priority: 145A	Phase Of LSA Req: Not reported
Site Risk Reason: Not reported	Land Use: Not reported
Closure Request: Not reported	# Of Supply Wells: 1
Close Out: Not reported	
MTBE: Not reported	MTBE1: No
Flag: No	Flag1: No
LUR Filed: Not reported	Release Detection: 0
GPS Confirmed: Yes	Cleanup: Not reported
Current Status: File Located in House	RBCA GW: Not reported
PETOPT: 3	RPL: No
CD Num: 0	Reel Num: 0
RPOW: Yes	RPOP: No
Error Flag: 0	
Error Code: Not reported	Valid: No
Last Modified: 11/18/1997	
Incident Phase: Follow Up	

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BURTON PROPERTY UST (Continued)

S102443362

NOV Issued: 10/21/1997
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported
Comments: GW/UST-2 RECV'D 10/13/98. Tank was removed at an unknown time previously and no report was submitted. Plume from the Ritter Millworks site adjacent may have comingled. Some solvents and phenol in monitoring well and Cottle drinking water well. FTF provided a new well for the Cottle Residence in 1997 and subsequently tested clean. Soil contamination appears cleaned up but single monitoring well shows contamination above gw standards.

IMD:

Region: WIL
Facility ID: 16737
Date Occurred: 1/8/1997
Submit Date: 1/23/1997
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: SAMPLING OF DOMESTIC WELLS FOUND PETROLEUM CONTAMINATION.
Operator: MR. ROBERT WHITE JOHNSON, RA
Contact Phone: Not reported
Owner Company: BURTON STEEL COMPNAY
Operator Address: P. O. B OX 660
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC 28402-
Ownership: Private
Operation: Industrial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: DIESEL
Qty Lost: Not reported
Qty Recovered: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Residential
Risk Site: H
Site Priority: 145A
Priority Code: H
Priority Update: 5/30/1998
Dem Contact: DTM
Wells Affected: Yes
Num Affected: 1
Wells Contam: COTTLE
Sampled By: Dept. of Env. Management
Samples Include: Groundwater Samples
7.5 Min Quad: Not reported
5 Min Quad: CC30K
Latitude: 34.298203149
Longitude: -77.92247425

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BURTON PROPERTY UST (Continued)

S102443362

Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: 1
 Agency: DWM
 Facility ID: 16737
 Last Modified: 11/18/1997
 Incident Phase: Follow Up
 NOV Issued: 10/21/1997
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighed: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

57
 SE
 > 1
 14480 ft.

**RAMPAGE SPORT FISHING YACHTS
 100 QUALITY DRIVE
 NAVASSA, NC 28451**

**FINDS 1004747057
 RCRA-LQG NCR000135350**

**Relative:
 Higher**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 29 ft.**

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TRIS (Toxics Release Inventory System) contains information from

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

RAMPAGE SPORT FISHING YACHTS (Continued)

1004747057

facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo:

Owner: KCS INTERNATIONAL
 (920) 834-2211
 EPA ID: NCR000135350
 Contact: Not reported
 Classification: Large Quantity Generator
 TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2005

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	54472.00	D002	300.00
D035	41562.00	F003	41582.00
F005	41582.00		

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	02/16/2005
Actual Date Achieved Compliance:	03/30/2005
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/06/2005
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	01/22/2003
Actual Date Achieved Compliance:	02/27/2003
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	01/22/2003
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	08/10/2001
Actual Date Achieved Compliance:	01/08/2002
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	08/10/2001
Penalty Type:	Not reported

There are 3 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20050330

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

RAMPAGE SPORT FISHING YACHTS (Continued)

EDR ID Number
 EPA ID Number

Database(s)

	1004747057
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS
	20030227
	20020108

58
WSW
> 1
14549 ft.

KOSA
460 HWY 421 NORTH
WILMINGTON, NC

IMD S106022432
N/A

Relative:
Lower

IMD:

Actual:
19 ft.

Region: WIL
 Facility ID: 85392
 Date Occurred: 4/15/1999
 Submit Date: 2/6/2001
 GW Contam: Yes, Groundwater Contamination has been detected
 Soil Contam: Not reported
 Incident Desc: SITEWIDE CAP - INCLUDES INCIDENT #s: 5603; 6603; 10529; 10530; 14684
 Operator: WHITE, LISA
 Contact Phone: Not reported
 Owner Company: KOSA
 Operator Address: P.O. BOX 327, 4600 HWY 421 NORTH
 Operator City: WILMINGTON
 Oper City, St, Zip: WILMINGTON, NC
 Ownership: Federal
 Operation: Mining
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Sewer line
 Type: Other organics
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: B
 Priority Update: Not reported
 Dem Contact: SETH CHIPMAN
 Wells Affected: No
 Num Affected: 2
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 85392
 Last Modified: 8/17/2004
 Incident Phase: Follow Up
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

KOSA (Continued)

S106022432

Corrective Action Planned: 7/30/2004
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

J59
ENE
> 1
14561 ft.

MINUTE SHOP
5219 NORTH COLLEGE ROAD
CASTLE HAYNE, NC 28429

UST U003137247
N/A

Site 1 of 3 in cluster J

Relative:
Lower

UST:

Actual:
19 ft.

Facility ID: 0-020515
Region: 08
Facility Telephone: (910) 675-3495
Last Update: 07/21/04
Owner Name: HANOVER OIL CO
Owner Address: PO BOX 8, 5219 N COLLEGE RD
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (910) 675-3495
Tank ID: 1
Tank capacity: 8000
Comment: Not reported
Date installed: 09/04/76
Date removed: / /
Status: Temporary Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: Cathodic Protection
Certify Type: Not reported
Leak Detection Type: Periodic tank tightness testing
Leak Detection Piping 1: Exempt under 280.41 (B)(2)(1)- (V) (piping only)
Corrosn Protec Tank: Impressed current
Corrosn Protec Pipe: Impressed current
Spill and Overfill: Catchment basins
Financial Responsibility: STATE FUND
Latitude: 34.34712
Latitude 1: 34 20 49.65
Longitude: 77.90074
Longitude 1: 77 54 02.65
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: F
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MINUTE SHOP (Continued)

U003137247

Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 01/07/98
Corrosion Protection Piping Date: / /
Spill Overfill Date: 01/11/98
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 01/11/02
Tank Certified Number: 200404577O
Date Last Certified: 03/31/04
Begin Certified Number: 01/04/04
End Certified Number: / /

Facility ID: 0-020515
Region: 08
Facility Telephone: (910) 675-3495
Last Update: 07/21/04
Owner Name: HANOVER OIL CO
Owner Address: PO BOX 8, 5219 N COLLEGE RD
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (910) 675-3495
Tank ID: 2
Tank capacity: 8000
Comment: Not reported
Date installed: 09/04/76
Date removed: / /
Status: Temporary Closed
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: Cathodic Protection
Certify Type: Not reported
Leak Detection Type: Periodic tank tightness testing
Leak Detection Piping 1: Exempt under 280.41 (B)(2)(1)- (V) (piping only)
Corrosn Protec Tank: Impressed current
Corrosn Protec Pipe: Impressed current
Spill and Overfill: Catchment basins
Financial Responsibility: STATE FUND
Latitude: 34.34712
Latitude 1: 34 20 49.65
Longitude: 77.90074
Longitude 1: 77 54 02.65
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: F
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MINUTE SHOP (Continued)

U003137247

Tank ID Number: Not reported
Corrosion Protection Tank Date: 01/07/98
Corrosion Protection Piping Date: / /
Spill Overfill Date: 01/11/98
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 01/11/02
Tank Certified Number: 200404577O
Date Last Certified: 03/31/04
Begin Certified Number: 01/04/04
End Certified Number: / /

Facility ID: 0-020515
Region: 08
Facility Telephone: (910) 675-3495
Last Update: 07/21/04
Owner Name: HANOVER OIL CO
Owner Address: PO BOX 8, 5219 N COLLEGE RD
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (910) 675-3495
Tank ID: 3
Tank capacity: 4000
Comment: Not reported
Date installed: 09/04/78
Date removed: / /

Status: Temporary Closed

Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: Cathodic Protection
Certify Type: Not reported
Leak Detection Type: Periodic tank tightness testing
Leak Detection Piping 1: Exempt under 280.41 (B)(2)(1)- (V) (piping only)
Corrosn Protec Tank: Impressed current
Corrosn Protec Pipe: Impressed current
Spill and Overfill: Catchment basins
Financial Responsibility: STATE FUND
Latitude: 34.34712
Latitude 1: 34 20 49.65
Longitude: 77.90074
Longitude 1: 77 54 02.65
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: F
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MINUTE SHOP (Continued)

U003137247

Corrosion Protection Tank Date: 01/07/98
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: 01/11/98
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: 01/11/02
 Tank Certified Number: 2004045770
 Date Last Certified: 03/31/04
 Begin Certified Number: 01/04/04
 End Certified Number: / /

Facility ID: 0-020515
 Region: 08
 Facility Telephone: (910) 675-3495
 Last Update: 07/21/04
 Owner Name: HANOVER OIL CO
 Owner Address: PO BOX 8, 5219 N COLLEGE RD
 Owner City,St,Zip: CASTLE HAYNE, NC 28429
 Owner Phone: (910) 675-3495
 Tank ID: 4
 Tank capacity: 2000
 Comment: Not reported
 Date installed: 08/04/80
 Date removed: / /

Status: Temporary Closed

Tank product: Diesel, Diesel Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Cathodic Protection
 Piping material: Cathodic Protection
 Certify Type: Not reported
 Leak Detection Type: Periodic tank tightness testing
 Leak Detection Piping 1: Exempt under 280.41 (B)(2)(1)- (V) (piping only)
 Corrosn Protec Tank: Impressed current
 Corrosn Protec Pipe: Impressed current
 Spill and Overfill: Catchment basins
 Financial Responsibility: STATE FUND
 Latitude: 34.34712
 Latitude 1: 34 20 49.65
 Longitude: 77.90074
 Longitude 1: 77 54 02.65
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: F
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: B
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: 01/07/98

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MINUTE SHOP (Continued)

U003137247

Corrosion Protection Piping Date: 01/07/98
Spill Overfill Date: 06/12/98
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 01/11/02
Tank Certified Number: 2004045770
Date Last Certified: 03/31/04
Begin Certified Number: 01/04/04
End Certified Number: / /

Facility ID: 0-020515
Region: 08
Facility Telephone: (910) 675-3495
Last Update: 07/21/04
Owner Name: HANOVER OIL CO
Owner Address: PO BOX 8, 5219 N COLLEGE RD
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (910) 675-3495
Tank ID: 5
Tank capacity: 1000
Comment: Not reported
Date installed: 08/04/83
Date removed: / /

Status: Temporary Closed

Tank product: Kerosene, Kerosene Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: Cathodic Protection
Certify Type: Not reported
Leak Detection Type: Periodic tank tightness testing
Leak Detection Piping 1: Exempt under 280.41 (B)(2)(1)- (V) (piping only)
Corrosn Protec Tank: Impressed current
Corrosn Protec Pipe: Impressed current
Spill and Overfill: Catchment basins
Financial Responsibility: STATE FUND
Latitude: 34.34712
Latitude 1: 34 20 49.65
Longitude: 77.90074
Longitude 1: 77 54 02.65
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: F
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 01/07/98
Corrosion Protection Piping Date: / /

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MINUTE SHOP (Continued)

U003137247

Spill Overfill Date: 12/16/98
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: 12/20/98
 Tank Certified Number: 199804155O
 Date Last Certified: 06/03/98
 Begin Certified Number: 01/04/98
 End Certified Number: / /

J60
ENE
 > 1
 14561 ft.

LOBO S CORNER
5219 NORTH COLLEGE ROAD
CASTLE HAYNE, NC 28429

FINDS 1007715142
110018717496

Site 2 of 3 in cluster J

Relative:
Lower

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
19 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

61
WSW
 > 1
 14591 ft.

PRAXAIR, INC.
4832 HWY 421
WILMINGTON, NC

IMD S103131351
N/A

Relative:
Lower

IMD:
 Region: WIL
 Facility ID: 12818
 Date Occurred: 9/13/1994
 Submit Date: 10/6/1994
 GW Contam: Yes, Groundwater Contamination has been detected
 Soil Contam: Not reported
 Incident Desc: SURFACE SPILL, TURBINE OIL, 200 GAL
 Operator: HEMMINGER, RICK
 Contact Phone: 713-470-9717
 Owner Company: PRAXAIR, INC.
 Operator Address:4832 HWY 421
 Operator City: WILMINGTON
 Oper City,St,Zip: WILMINGTON, NC 713-470-9717
 Ownership: Federal
 Operation: Mining
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Spill-surface
 Type: Other petroleum product
 Location: Not reported
 Setting: Not reported

Actual:
14 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PRAXAIR, INC. (Continued)

S103131351

Risk Site: Not reported
Site Priority: Not reported
Priority Code: NOD
Priority Update: Not reported
Dem Contact: BRUCE PARRIS
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 12818
Last Modified: 8/4/2003
Incident Phase: Follow Up
NOV Issued: 11/9/1994
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 16735
Date Occurred: 1/21/1997
Submit Date: 8/4/2003
GW Contam: No Groundwater Contamination detected
Soil Contam: Not reported
Incident Desc: 100 GAL/TERRESTIC 46 LUBRICANT OIL
Operator: MOORE, SUPERINTENDENT, J.H.
Contact Phone: 910-343-0241
Owner Company: PRAXAIR, INC.
Operator Address: 4832 HWY 421
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC 910-343-0241
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Spill-surface
Type: Other petroleum product
Location: Not reported
Setting: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PRAXAIR, INC. (Continued)

S103131351

Risk Site: Not reported
 Site Priority: 0
 Priority Code: NOD
 Priority Update: Not reported
 Dem Contact: SDC
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: 34.317222
 Longitude: -77.986944
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 16735
 Last Modified: 8/4/2003
 Incident Phase: Follow Up
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**62
 West
 > 1
 14613 ft.**

**HANOVER CLOCKS
 5316 HWY. 421 NORTH
 WILMINGTON, NC**

**IMD S104913918
 N/A**

**Relative:
 Lower**

IMD:

**Actual:
 19 ft.**

Region: WIL
 Facility ID: 85365
 Date Occurred: 6/28/1999
 Submit Date: 2/5/2001
 GW Contam: No Groundwater Contamination detected
 Soil Contam: Not reported
 Incident Desc: RELEASED SCREEN PRINTING CHEMICALS. DWQ STAFF DID HAND AUGER BORING IN AREA OF RELEASE. NFA BASED ON RP EXCAVATION AND DWQ SAMPLES.
 Operator: WOODCOCK, BECKY
 Contact Phone: Not reported
 Owner Company: HANOVER CLOCKS
 Operator Address: 5316 HWY. 421 NORTH
 Operator City: WILMINGTON
 Oper City, St, Zip: WILMINGTON
 Ownership: Federal
 Operation: 8
 Material: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

HANOVER CLOCKS (Continued)

S104913918

Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Spill-surface
 Type: Other inorganics
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: NOD
 Priority Update: Not reported
 Dem Contact: SETH CHIPMAN
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 85365
 Last Modified: 8/5/2003
 Incident Phase: Closed Out
 NOV Issued: 6/30/1999
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 8/17/1999

J63
 ENE
 > 1
 14795 ft.

**NORTH COLLEGE PLAZA
 5212 NORTH COLLEGE ROAD
 CASTLE HAYNE, NC 28429**

**FINDS 1007715090
 110018716978**

Site 3 of 3 in cluster J

**Relative:
 Equal**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 24 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

64
WSW
> 1
14812 ft.

SOUTHEAST RESPONSE AND REMEDIATION
4920 HIGHWAY 421 NORTH
WILMINGTON, NC 28401

RCRA-SQG **1000980583**
FINDS **NC0000926618**

Relative:
Lower

RCRAInfo:

Owner: WILLIAM MURRELL
 (910) 763-6274

Actual:
16 ft.

EPA ID: NC0000926618

Contact: WILLIAM MURRELL
 (910) 763-6274

Classification: Small Quantity Generator
 TSD Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

65
SW
> 1
14819 ft.

ROY'S BAIT AND TACKLE SHOP
3821-A HWY 421N
WILMINGTON, NC 28401

UST **U001205104**
N/A

Relative:
Lower

UST:

Facility ID: 0-030084
 Region: 08

Actual:
19 ft.

Facility Telephone: (919) 762-8681
 Last Update: 09/20/05
 Owner Name: ISAAC MARLEY/ROY'S BAIT & TACKLE
 Owner Address: 3821A HWY 421 N
 Owner City,St,Zip: WILMINGTON, NC 28401
 Owner Phone: (919) 762-8681
 Tank ID: A1
 Tank capacity: 8000
 Comment: Not reported
 Date installed: 11/25/96
 Date removed: / /

Status: Currently In Use

Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Cathodic Protection
 Piping material: FRP
 Certify Type: Installer certified by tank and piping manufacturers
 Leak Detection Type: Periodic tank tightness testing
 Leak Detection Piping 1: Exempt under 280.41 (B)(2)(1)- (V) (piping only)
 Corrosn Protec Tank: Steel/FRP composite

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ROY'S BAIT AND TACKLE SHOP (Continued)

U001205104

Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: Not reported
Latitude: 34.29684
Latitude 1: 34 17 48.63
Longitude: 77.97435
Longitude 1: 77 58 27.67
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Statistical inventory reconciliation
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 11/25/96
Corrosion Protection Piping Date: 11/25/96
Spill Overfill Date: 11/25/96
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2006077610
Date Last Certified: 12/09/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-030084
Region: 08
Facility Telephone: (919) 762-8681
Last Update: 09/20/05
Owner Name: ISAAC MARLEY/ROY'S BAIT & TACKLE
Owner Address: 3821A HWY 421 N
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (919) 762-8681
Tank ID: A2
Tank capacity: 4000
Comment: Not reported
Date installed: 11/25/96
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: FRP
Certify Type: Installer certified by tank and piping manufacturers
Leak Detection Type: Periodic tank tightness testing
Leak Detection Piping 1: Exempt under 280.41 (B)(2)(1)- (V) (piping only)
Corrosn Protec Tank: Steel/FRP composite
Corrosn Protec Pipe: FRP tank/piping

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ROY'S BAIT AND TACKLE SHOP (Continued)

U001205104

Spill and Overfill: Catchment basins
Financial Responsibility: Not reported
Latitude: 34.29684
Latitude 1: 34 17 48.63
Longitude: 77.97435
Longitude 1: 77 58 27.67
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Statistical inventory reconciliation
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 11/25/96
Corrosion Protection Piping Date: 11/25/96
Spill Overfill Date: 11/25/96
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2006077610
Date Last Certified: 12/09/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-030084
Region: 08
Facility Telephone: (919) 762-8681
Last Update: 09/20/05
Owner Name: ISAAC MARLEY/ROY'S BAIT & TACKLE
Owner Address: 3821A HWY 421 N
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (919) 762-8681
Tank ID: 1
Tank capacity: 2000
Comment: FILLED/SAND
Date installed: 01/01/72
Date removed: 10/04/93
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NIU
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ROY'S BAIT AND TACKLE SHOP (Continued)

U001205104

Financial Responsibility: Not reported
Latitude: 34.29684
Latitude 1: 34 17 48.63
Longitude: 77.97435
Longitude 1: 77 58 27.67
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 12/31/82
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-030084
Region: 08
Facility Telephone: (919) 762-8681
Last Update: 09/20/05
Owner Name: ISAAC MARLEY/ROY'S BAIT & TACKLE
Owner Address: 3821A HWY 421 N
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (919) 762-8681
Tank ID: 2
Tank capacity: 3000
Comment: FILLED/SAND
Date installed: 01/01/72
Date removed: 10/04/93
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NIU
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ROY'S BAIT AND TACKLE SHOP (Continued)

U001205104

Latitude: 34.29684
Latitude 1: 34 17 48.63
Longitude: 77.97435
Longitude 1: 77 58 27.67
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 12/31/82
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-030084
Region: 08
Facility Telephone: (919) 762-8681
Last Update: 09/20/05
Owner Name: ISAAC MARLEY/ROY'S BAIT & TACKLE
Owner Address: 3821A HWY 421 N
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (919) 762-8681
Tank ID: 3
Tank capacity: 3000
Comment: Not reported
Date installed: 01/01/72
Date removed: 01/04/93
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Steel/FRP composite
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: Not reported
Latitude: 34.29684

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ROY'S BAIT AND TACKLE SHOP (Continued)

U001205104

Latitude 1: 34 17 48.63
 Longitude: 77.97435
 Longitude 1: 77 58 27.67
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: B
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: 11/25/96
 Corrosion Protection Piping Date: 11/25/96
 Spill Overfill Date: 11/25/96
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

K66
ENE
> 1
14826 ft.

WILMINGTON DIV APAC-CAROLINA
4901 N COLLEGE RD
CASTLE HAYNE, NC 28429

RCRA-SQG 1000269538
FINDS NCD980247878

Site 1 of 2 in cluster K

Relative:
Lower

RCRAInfo:
 Owner: WILMINGTON DIV APAC-CAROLINA
 (910) 254-1331
 EPA ID: NCD980247878
 Contact: GARY HALL
 (910) 254-1331

Actual:
17 ft.

Classification: Conditionally Exempt Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

K67
ENE
 > 1
 14828 ft.

APAC CAROLINA INCORPORATED CASTLE HAYNE ASPHALT
4909 NORTH COLLEGE ROAD
CASTLE HAYNE, NC 28429

FINDS **1004548043**
 110001480246

Site 2 of 2 in cluster K

Relative:
Lower

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
 22 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

L68
SSE
 > 1
 14858 ft.

SPICER PROPERTY
2923 CASTLE HAYNE ROAD
WILMINGTON, NC

LUST TRUST **S108437636**
 N/A

Site 1 of 3 in cluster L

Relative:
Higher

LUST TRUST:
 Facility ID: Not reported
 Site ID: 32316
 Site Note: Noncommercial; 100% eligible; \$0 deductible.[CGS 03/05/07]
 Site Eligible?: True
 Commercial Find: 100% Non-Commercial
 Priority Rank: Not reported
 Deductable Amount: 0
 3rd Party Deductable Amt: 0
 Sum 3rd Party Amt Applied: 0

Actual:
 34 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SPICER PROPERTY (Continued)

S108437636

[Click this hyperlink](#) while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

L69
SSE
 > 1
 14858 ft.

SPICER PROPERTY (MARVIN)
2923 CASTLE HAYNE ROAD
WILMINGTON, NC

LUST S107780952
IMD N/A

Site 2 of 3 in cluster L

Relative:
Higher

LUST:

Actual:
34 ft.

Facility ID:	Not reported	UST Number:	WI-7187
Incident Number:	32316	Lat/Long Decimal:	34.299336 77.922583
Lat/Long:	34 17 57.54 77 55 21.24		
Testlat:	Not reported		
Regional Officer Project Mgr:	BAR		
Region:	Wilmington		
Company:	Not reported		
Contact Person:	Marvin Spicer		
Telephone:	9107968613		
RP Address:	7312 Courtney Pines Road		
RP City,St,Zip:	Wilmington, NC 28411		
RP County:	Not reported		
Comm / Non-comm UST Site:	NON COMMERCIAL		
Risk Classification:	H		
Risk Class Based On Review:	H		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Tank Regulated Status:	Non Regulated		
Contamination Type:	Groundwater/Both		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	2/22/2006	Date Occur:	2/21/2006
NOV Issue Date:	Not reported	NORR Issue Date:	Not reported
Site Priority:	Not reported	Phase Of LSA Req:	1
Site Risk Reason:	Not reported	Land Use:	Residential
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	Not reported		
MTBE:	No	MTBE1:	No
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	6	Cleanup:	2/21/2006
Current Status:	File Located in House	RBCA GW:	Not reported
PETOPT:	4	RPL:	Yes
CD Num:	0	Reel Num:	0
RPOW:	Yes	RPOP:	No
Error Flag:	0		
Error Code:	N	Valid:	No
Last Modified:	Not reported		
Incident Phase:	Response		
NOV Issued:	Not reported		
NORR Issued:	5/24/2006		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SPICER PROPERTY (MARVIN) (Continued)

S107780952

Comments: heating oil UST removed.

IMD:

Region: Not reported
Facility ID: 32316
Date Occurred: 2/21/2006
Submit Date: 2/22/2006
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: heating oil UST removed and soil samples confirm release.
Operator: Marvin Spicer
Contact Phone: 9107968613
Owner Company: Not reported
Operator Address:7312 Courtney Pines Road
Operator City: Wilmington
Oper City,St,Zip: Wilmington, NC 28411
Ownership: Private
Operation: Residential
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: JDP
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Y
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: 0
Longitude Number: 0
Latitude Decimal: 0
Longitude Decimal: 0
GPS: 6
Agency: DWM
Facility ID: 32316
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: 5/24/2006
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

SPICER PROPERTY (MARVIN) (Continued)

S107780952

Close-out Report: Not reported

M70
ENE
 > 1
 14980 ft.

JUNG S EGGROLL EXPRESS
5319 CASTLE HAYNE ROAD
CASTLE HAYNE, NC 28429

FINDS 1007715167
110018717744

Site 1 of 3 in cluster M

Relative:
Lower

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
19 ft.

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M71
ENE
 > 1
 15007 ft.

BEST BAIT & TACKLE
HWY 117 AND ASH ST
CASTLE HAYNE, NC 28429

UST U001200473
N/A

Site 2 of 3 in cluster M

Relative:
Lower

UST:
 Facility ID: 0-022460
 Region: 08
 Facility Telephone: (919) 762-9714
 Last Update: 11/02/93
 Owner Name: MRS. MARGARET WILSON
 Owner Address: PO BOX 55
 Owner City,St,Zip: CASTLE HAYNE, NC 28429
 Owner Phone: (919) 762-9714
 Tank ID: 1
 Tank capacity: 10000
 Comment: Not reported
 Date installed: 08/05/76
 Date removed: 01/11/91
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: Unknown
 Exterior Protection: Cathodic Protection
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported

Actual:
19 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BEST BAIT & TACKLE (Continued)

U001200473

Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-022460
Region: 08
Facility Telephone: (919) 762-9714
Last Update: 11/02/93
Owner Name: MRS. MARGARET WILSON
Owner Address: PO BOX 55
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 762-9714
Tank ID: 2
Tank capacity: 3000
Comment: Not reported
Date installed: 08/05/76
Date removed: 01/11/91
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Cathodic Protection
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BEST BAIT & TACKLE (Continued)

U001200473

Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-022460
Region: 08
Facility Telephone: (919) 762-9714
Last Update: 11/02/93
Owner Name: MRS. MARGARET WILSON
Owner Address: PO BOX 55
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 762-9714
Tank ID: 3
Tank capacity: 1000
Comment: Not reported
Date installed: 09/24/79
Date removed: 01/11/91
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BEST BAIT & TACKLE (Continued)

U001200473

Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-022460
Region: 08
Facility Telephone: (919) 762-9714
Last Update: 11/02/93
Owner Name: MRS. MARGARET WILSON
Owner Address: PO BOX 55
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 762-9714
Tank ID: 4
Tank capacity: 550
Comment: Not reported
Date installed: 09/24/79
Date removed: 01/11/91
Status: Permanent Closed
Tank product: Kerosene, Kerosene Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BEST BAIT & TACKLE (Continued)

U001200473

Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-022460
Region: 08
Facility Telephone: (919) 762-9714
Last Update: 11/02/93
Owner Name: MRS. MARGARET WILSON
Owner Address: PO BOX 55
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 762-9714
Tank ID: 5
Tank capacity: 3000
Comment: Not reported
Date installed: 09/29/58
Date removed: 01/11/91
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NIU
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BEST BAIT & TACKLE (Continued)

U001200473

GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 01/01/78
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-022460
Region: 08
Facility Telephone: (919) 762-9714
Last Update: 11/02/93
Owner Name: MRS. MARGARET WILSON
Owner Address: PO BOX 55
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 762-9714
Tank ID: 6
Tank capacity: 550
Comment: Not reported
Date installed: 09/29/58
Date removed: 01/11/91
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NIU
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BEST BAIT & TACKLE (Continued)

U001200473

Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 01/01/78
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-022460
Region: 08
Facility Telephone: (919) 762-9714
Last Update: 11/02/93
Owner Name: MRS. MARGARET WILSON
Owner Address: PO BOX 55
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (919) 762-9714
Tank ID: 7
Tank capacity: 550
Comment: Not reported
Date installed: 01/01/64
Date removed: 01/11/91
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NIU
Tank material: Unknown
Interior Protection: Unknown
Exterior Protection: Unknown
Piping material: Unknown
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BEST BAIT & TACKLE (Continued)

U001200473

Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: 01/01/78
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

L72
 SSE
 > 1
 15051 ft.

**J T RITTER MILL WORK
 2913 CASTLE HAYNE ROAD
 CASTLE HAYNE, NC 28429**

**FINDS 1004550651
 110001978281**

**Relative:
 Higher**

Site 3 of 3 in cluster L

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 34 ft.**

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Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

BEST BAIT & TACKLE (Continued)

S101166395

Corrective Action Plan Type: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: R
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Date Reported: 11/5/1991
NOV Issue Date: Not reported
Site Priority: 220A
Site Risk Reason: Not reported
Closure Request: Not reported
Close Out: Not reported
MTBE: Yes
Flag: No
LUR Filed: Not reported
GPS Confirmed: 3
Current Status: File Located in House
PETOPT: 3
CD Num: 0
RPOW: Yes
Error Flag: 0
Error Code: Not reported
Last Modified: Not reported
Incident Phase: Response
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported
Comments: across from Jungs Egg Roll. Daughter of Mrs. Wilson had tanks pulled. Castle Hayne Fire Dept. Well contaminated with MTBE now below standards., Sent to CO on xx-xx-xxxx

Product Type: PETROLEUM
Date Occur: 11/5/1991
NORR Issue Date: Not reported
Phase Of LSA Req: Not reported
Land Use: Not reported
Of Supply Wells: 1
MTBE1: Yes
Flag1: No
Release Detection: 0
Cleanup: Not reported
RBCA GW: Not reported
RPL: Yes
Reel Num: 0
RPOP: No
Valid: No

IMD:

Region: WIL
Facility ID: 8117
Date Occurred: 11/5/1991
Submit Date: 6/15/1992
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: UPON REMOVAL OF UST SOIL AND GW CONTAM. WAS CONFIRMED.
Operator: MR. MARGARET WILSON
Contact Phone: Not reported
Owner Company: BEST BAIT & TACKLE
Operator Address: 205 BROOKFIELD DRIVE
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC 28405-
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: KEROSENE

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BEST BAIT & TACKLE (Continued)

S101166395

Qty Lost: Not reported
 Qty Recovered: Not reported
 Source: Leak-underground
 Type: Gasoline/diesel
 Location: Facility
 Setting: Urban
 Risk Site: H
 Site Priority: 235
 Priority Code: Not reported
 Priority Update: Not reported
 Dem Contact: STF
 Wells Affected: Not reported
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Respons ble Parties
 Samples Include: Groundwater Samples
 7.5 Min Quad: Not reported
 5 Min Quad: BB30P
 Latitude: 34.350660334
 Longitude: -77.90022463
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: 3
 Agency: DWM
 Facility ID: 8117
 Last Modified: Not reported
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

75
 WSW
 > 1
 15184 ft.

**AMERICAN PROPERY INVESTORES V
 HIGHWAY 421 NORTH
 WILMINGTON, NC 28401**

**UST U003561976
 N/A**

**Relative:
 Lower**

UST:
 Facility ID: 0-002098
 Region: 08
 Facility Telephone: (000) 000-0000
 Last Update: 01/08/92
 Owner Name: TELECOM PROPERTIES ATTN:C ESSIC
 Owner Address: 1545 W MOCKINGBIRD LANE
 Owner City,St,Zip: DALLAS, TX 75235
 Owner Phone: (212) 353-6207
 Tank ID: 1
 Tank capacity: 10000
 Comment: Not reported

**Actual:
 19 ft.**

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

AMERICAN PROPERTY INVESTORES V (Continued)

U003561976

Date installed: 02/25/79
 Date removed: 02/18/88
Status: Permanent Closed
 Tank product: Diesel, Diesel Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

**N76
 SW
 > 1
 15255 ft.**

**WILMINGTON MATERIALS
 3612 US HIGHWAY 421 NORTH
 WILMINGTON, NC 28402**

**FINDS 1007726976
 110018836189**

Site 2 of 3 in cluster N

**Relative:
 Lower**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 14 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

WILMINGTON MATERIALS (Continued)

1007726976

comprehensive information about environmental regulated entities in the state of North Carolina.

O77
WSW
 > 1
 15271 ft.

NEW HANOVER COUNTY
5210 US HIGHWAY 421 NORTH
WILMINGTON, NC 28401

FINDS 1007706529
110018631248

Site 1 of 3 in cluster O

Relative:
Lower

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
19 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

O78
WSW
 > 1
 15271 ft.

LANDFILL WWTP
5210 US HIGHWAY 421 NORTH
WILMINGTON, NC 28401

FINDS 1004549631
110006709197

Site 2 of 3 in cluster O

Relative:
Lower

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
19 ft.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

O79
WSW
 > 1
 15322 ft.

NEW HANOVER CO. SECURE LANDFI
5210 HWY 421 NORTH
WILMINGTON, NC 28405

UST **U003145505**
 N/A

Site 3 of 3 in cluster O

Relative:
Lower

UST:

Actual:
 19 ft.

Facility ID: 0-020743
 Region: 08
 Facility Telephone: (919) 763-9462
 Last Update: 08/09/96
 Owner Name: NEW HANOVER BD OF COMMISSIONERS
 Owner Address: 320 CHESTNUT STREET
 Owner City,St,Zip: WILMINGTON, NC 28401
 Owner Phone: (910) 341-7184
 Tank ID: 1
 Tank capacity: 10000
 Comment: Not reported
 Date installed: 04/16/81
 Date removed: 11/16/92
Status: Permanent Closed
 Tank product: Diesel, Diesel Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: Unknown
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NEW HANOVER CO. SECURE LANDFI (Continued)

U003145505

Date Last Certified: //
Begin Certified Number: //
End Certified Number: //

Facility ID: 0-020743
Region: 08
Facility Telephone: (919) 763-9462
Last Update: 08/09/96
Owner Name: NEW HANOVER BD OF COMMISSIONERS
Owner Address: 320 CHESTNUT STREET
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (910) 341-7184
Tank ID: 2
Tank capacity: 250
Comment: Not reported
Date installed: 04/16/81
Date removed: 04/30/90
Status: Permanent Closed
Tank product: Oil, New/Used/Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: None
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: //
Corrosion Protection Piping Date: //
Spill Overfill Date: //
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: //
Tank Certified Number: Not reported
Date Last Certified: //

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			EDR ID Number
Elevation	Site	Database(s)	EPA ID Number

NEW HANOVER CO. SECURE LANDFI (Continued)

U003145505

Begin Certified Number: //
 End Certified Number: //

80 WSW > 1 15409 ft.	READY MIXED CONCRETE COMPANY - WILMINGTO 5125 HIGHWAY 421 NORTH WILMINGTON, NC 28401	FINDS	1004551781 110007118163
---	---	--------------	--

Relative:
Lower

Actual:
18 ft.

P81 ENE > 1 15428 ft.	CAROLINA OMELET HOUSE 5512 CASTLE HAYNE ROAD CASTLE HAYNE, NC 28429	FINDS	1007714129 110018707336
--	--	--------------	--

Site 1 of 5 in cluster P

Relative:
Lower

Actual:
18 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

Q82 SW > 1 15551 ft.	TRIPLE T 3401 HWY 421 N WILMINGTON, NC 28402	RCRA-SQG FINDS LUST IMD	1000153577 NCD981861354
---	---	--	--

Site 1 of 3 in cluster Q

Relative:
Lower

Actual:
14 ft.

RCRAInfo:
 Owner: TIMOTHY J MATT
 (910) 763-4581
 EPA ID: NCD981861354
 Contact: JEFF BATTLE
 (910) 763-6281
 Classification: Small Quantity Generator
 TSDF Activities: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TRIPLE T (Continued)

1000153577

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID:	0-031745	UST Number:	WI-1533
Incident Number:	18168	Lat/Long Decimal:	34.2736 78.96
Lat/Long:	34 16 24.96 78 57 36		
Testlat:	Not reported		
Regional Officer Project Mgr:	BAR		
Region:	Wilmington		
Company:	TRIPLE T PARTS AND EQUIPMENT		
Contact Person:	MR. TIM MATT		
Telephone:	9102562194		
RP Address:	P.O. BOX 2064		
RP City,St,Zip:	WILMINGTON, NC 28402-		
RP County:	Not reported		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	L		
Risk Class Based On Review:	L		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Tank Regulated Status:	R		
Contamination Type:	Soil		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	12/1/1997	Date Occur:	9/15/1997
NOV Issue Date:	Not reported	NORR Issue Date:	Not reported
Site Priority:	10C	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	8/7/1998		
MTBE:	Not reported	MTBE1:	Unknown
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	7	Cleanup:	Not reported
Current Status:	File Located in Archives	RBCA GW:	Not reported
PETOPT:	Not reported	RPL:	No
CD Num:	159	Reel Num:	3911
RPOW:	No	RPOP:	No
Error Flag:	0	Valid:	No
Error Code:	Not reported		
Last Modified:	9/1/1998		
Incident Phase:	Closed Out		
NOV Issued:	Not reported		
NORR Issued:	Not reported		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TRIPLE T (Continued)

1000153577

45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	8/7/1998		
Comments:	NFA		
Facility ID:	0-022564		
Incident Number:	5962	UST Number:	WI-862
Lat/Long:	34 16 24.96 78 57 36	Lat/Long Decimal:	34.2736 78.96
Testlat:	Not reported		
Regional Officer Project Mgr:	BAR		
Region:	Wilmington		
Company:	TRIPLE T PARTS AND EQUIPMENT		
Contact Person:	MR. TIM MATT		
Telephone:	9107636281		
RP Address:	P.O. BOX 2064		
RP City,St,Zip:	WILMINGTON, NC 28402-		
RP County:	Not reported		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	L		
Risk Class Based On Review:	L		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Tank Regulated Status:	R		
Contamination Type:	Groundwater/Both		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	5/11/1990	Date Occur:	5/11/1990
NOV Issue Date:	10/30/1991	NORR Issue Date:	7/25/1990
Site Priority:	35C	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	2/26/1999		
MTBE:	Not reported	MTBE1:	Unknown
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	7	Cleanup:	Not reported
Current Status:	File Located in Archives	RBCA GW:	Not reported
PETOPT:	3	RPL:	No
CD Num:	162	Reel Num:	3911
RPOW:	Yes	RPOP:	Yes
Error Flag:	0		
Error Code:	Not reported	Valid:	No
Last Modified:	3/8/1999		
Incident Phase:	Closed Out		
NOV Issued:	10/30/1991		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

TRIPLE T (Continued)

1000153577

Close-out Report: 2/2/1999
Comments: NFA

IMD:

Region: WIL
Facility ID: 18168
Date Occurred: 9/15/1997
Submit Date: 1/14/1998
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: SOLVENT AND PETRO CONTAM DISCOVERED IN SOIL REMOVED DURING TK
ABANDONMENT; CONTAM LEVELS LOW; NO FURTHER ACTION
Operator: MR. TIM MATT
Contact Phone: 9102562194
Owner Company: TRIPLE T PARTS AND EQUIPMENT
Operator Address: P.O. BOX 2064
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC 28402-
Ownership: Private
Operation: Commercial
Material: SOLVENTS, GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: UNKNOWN
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Risk Site: L
Site Priority: 10C
Priority Code: L
Priority Update: 12/4/1998
Dem Contact: BAR
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.27333333
Longitude: -78.96
Latitude Number: 341624
Longitude Number: 785736
Latitude Decimal: 34.27333333333333
Longitude Decimal: 78.96
GPS: 7
Agency: DWM
Facility ID: 18168
Last Modified: 9/1/1998
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

TRIPLE T (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000153577

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 8/7/1998

Region: WIL
Facility ID: 5962
Date Occurred: 5/11/1990
Submit Date: 10/2/1990
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: CRACKS WERE NOTICED IN THE SIDE WALLS OF A WASTE OIL UST AND VARSOL/WATER SEPARATOR UST.

Operator: MR. TIM MATT
Contact Phone: 9107636281
Owner Company: TRIPLE T PARTS AND EQUIPMENT
Operator Address: P.O. BOX 2064
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC 28402-
Ownership: Private
Operation: Commercial
Material: WASTE OIL AND VARSOL
Qty Lost 1: Not reported
Qty Recovered 1: UNK
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Risk Site: L
Site Priority: 35C
Priority Code: L
Priority Update: 5/30/1998
Dem Contact: BAR
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.27333333
Longitude: -78.96
Latitude Number: 341624
Longitude Number: 785736
Latitude Decimal: 34.27333333333333
Longitude Decimal: 78.96
GPS: 7
Agency: DWM
Facility ID: 5962
Last Modified: 3/8/1999
Incident Phase: Closed Out
NOV Issued: 10/30/1991
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TRIPLE T (Continued)

1000153577

Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 2/2/1999

**83
 West
 > 1
 15583 ft.**

**NEW HANOVER COUNTY LANDFILL
 US 421 NORTH
 WILMINGTON, NC**

**SWF/LF 1000534377
 HIST LF N/A**

**Relative:
 Lower**

LF:
 Facility Type: Municipal Solid Waste or Industrial Waste
 permit_num: 6504
 Contact Name: PAUL MARLOW
 Contact Telephone: (910) 798-4402
 Facility Status: OPEN

**Actual:
 21 ft.**

HIST_LF:
 Facility Type: MSWLF
 permit_num: 6504
 Facility Fax: (910) 341-4371
 Contact Name: RAY CHURCH
 Contact Title: Not reported
 Contact Telephone: (910) 341-4340
 Contact Address: 3002 US HIGHWAY 421 NORTH
 Contact City,St,Zip: WILMINGTON, NC 28401
 Lined: True
 Facility Id: P0104
 Facility Status: OPEN
 Public/Private: PUBLIC
 Waste Mgmt Specialist: Ray Williams

**P84
 ENE
 > 1
 15585 ft.**

**CASTLE HAYNE SHOPPING CENTER
 5601 CASTLE HAYNE ROAD
 CASTLE HAYNE, NC 28429**

**FINDS 1007713453
 110018700538**

**Relative:
 Lower**

Site 2 of 5 in cluster P

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 19 ft.**

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MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

P85
ENE
 > 1
 15585 ft.

HARDEE S #1329
5601 CASTLE HAYNE ROAD
CASTLE HAYNE, NC 28429

FINDS 1007715166
 110018717735

Site 3 of 5 in cluster P

Relative:
Lower

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
 19 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

P86
ENE
 > 1
 15588 ft.

GOGAS 7
5604 CASTLE HAYNE ROAD
CASTLE HAYNE, NC 28429

UST U003145695
 N/A

Site 4 of 5 in cluster P

Relative:
Lower

UST:
 Facility ID: 0-022089
 Region: 08
 Facility Telephone: (910) 762-4700
 Last Update: 06/16/06
 Owner Name: K.E. AUSTIN CORPORATION
 Owner Address: 3301 BURNT MILL DR
 Owner City,St,Zip: WILMINGTON, NC 28403
 Owner Phone: (910) 762-4700
 Tank ID: 1
 Tank capacity: 8000
 Comment: Not reported
 Date installed: 01/01/85
 Date removed: / /
Status: Currently In Use
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Cathodic Protection
 Piping material: Steel
 Certify Type: Manufacturer's installation work checklists completed
 Leak Detection Type: Automatic tank guaging
 Leak Detection Piping 1: Automatic line leak detectors
 Corrosn Protec Tank: Sacrificial annonde
 Corrosn Protec Pipe: Impressed current
 Spill and Overfill: Catchment basins
 Financial Responsibility: SELF
 Latitude: 34.35283
 Latitude 1: 34 21 10.19
 Longitude: 77.89979
 Longitude 1: 77 53 59.24
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: Not reported

Actual:
 19 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GOGAS 7 (Continued)

U003145695

Financial Responsibility Description: A
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: I
 Leak Detection Type 2: Inventory control
 Corrosion Protection Tank1: D
 Corrosion Piping: Not reported
 Overfill: B
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 2007032600
 Date Last Certified: 02/28/07
 Begin Certified Number: 01/04/07
 End Certified Number: / /

Facility ID: 0-022089
 Region: 08
 Facility Telephone: (910) 762-4700
 Last Update: 06/16/06
 Owner Name: K.E. AUSTIN CORPORATION
 Owner Address: 3301 BURNT MILL DR
 Owner City,St,Zip: WILMINGTON, NC 28403
 Owner Phone: (910) 762-4700
 Tank ID: 2
 Tank capacity: 8000
 Comment: Not reported
 Date installed: 01/01/85
 Date removed: / /
Status: Currently In Use
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Cathodic Protection
 Piping material: Steel
 Certify Type: Manufacturer's installation work checklists completed
 Leak Detection Type: Automatic tank guaging
 Leak Detection Piping 1: Automatic line leak detectors
 Corrosn Protec Tank: Sacrificial annonde
 Corrosn Protec Pipe: Impressed current
 Spill and Overfill: Catchment basins
 Financial Responsibility: SELF
 Latitude: 34.35283
 Latitude 1: 34 21 10.19
 Longitude: 77.89979
 Longitude 1: 77 53 59.24
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GOGAS 7 (Continued)

U003145695

Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: I
Leak Detection Type 2: Inventory control
Corrosion Protection Tank1: D
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2007032600
Date Last Certified: 02/28/07
Begin Certified Number: 01/04/07
End Certified Number: / /

Facility ID: 0-022089
Region: 08
Facility Telephone: (910) 762-4700
Last Update: 06/16/06
Owner Name: K.E. AUSTIN CORPORATION
Owner Address: 3301 BURNT MILL DR
Owner City,St,Zip: WILMINGTON, NC 28403
Owner Phone: (910) 762-4700
Tank ID: 3
Tank capacity: 8000
Comment: Not reported
Date installed: 01/01/85
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: Steel
Certify Type: Manufacturer's installation work checklists completed
Leak Detection Type: Automatic tank guaging
Leak Detection Piping 1: Automatic line leak detectors
Corrosn Protec Tank: Sacrificial annonde
Corrosn Protec Pipe: Impressed current
Spill and Overfill: Catchment basins
Financial Responsibility: SELF
Latitude: 34.35283
Latitude 1: 34 21 10.19
Longitude: 77.89979
Longitude 1: 77 53 59.24
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GOGAS 7 (Continued)

U003145695

Water Supply Well:	Not reported
Leak Detection Piping 2:	I
Leak Detection Type 2:	Inventory control
Corrosion Protection Tank1:	D
Corrosion Piping:	Not reported
Overfill:	B
Compartment Tank:	No
Main Tank:	No
Tank ID Number:	Not reported
Corrosion Protection Tank Date:	/ /
Corrosion Protection Piping Date:	/ /
Spill Overfill Date:	/ /
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Tank Last Used Date:	/ /
Tank Certified Number:	2007032600
Date Last Certified:	02/28/07
Begin Certified Number:	01/04/07
End Certified Number:	/ /
Facility ID:	0-022089
Region:	08
Facility Telephone:	(910) 762-4700
Last Update:	06/16/06
Owner Name:	K.E. AUSTIN CORPORATION
Owner Address:	3301 BURNT MILL DR
Owner City,St,Zip:	WILMINGTON, NC 28403
Owner Phone:	(910) 762-4700
Tank ID:	4
Tank capacity:	8000
Comment:	Not reported
Date installed:	01/01/85
Date removed:	/ /
Status:	Currently In Use
Tank product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank material:	Steel
Interior Protection:	None
Exterior Protection:	Cathodic Protection
Piping material:	Steel
Certify Type:	Manufacturer's installation work checklists completed
Leak Detection Type:	Automatic tank gauging
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	Sacrificial anode
Corrosn Protec Pipe:	Impressed current
Spill and Overfill:	Catchment basins
Financial Responsibility:	SELF
Latitude:	34.35283
Latitude 1:	34 21 10.19
Longitude:	77.89979
Longitude 1:	77 53 59.24
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	JLH
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GOGAS 7 (Continued)

U003145695

Leak Detection Piping 2:	I
Leak Detection Type 2:	Inventory control
Corrosion Protection Tank1:	D
Corrosion Piping:	Not reported
Overfill:	B
Compartment Tank:	No
Main Tank:	No
Tank ID Number:	Not reported
Corrosion Protection Tank Date:	/ /
Corrosion Protection Piping Date:	/ /
Spill Overfill Date:	/ /
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Tank Last Used Date:	/ /
Tank Certified Number:	2007032600
Date Last Certified:	02/28/07
Begin Certified Number:	01/04/07
End Certified Number:	/ /
Facility ID:	0-022089
Region:	08
Facility Telephone:	(910) 762-4700
Last Update:	06/16/06
Owner Name:	K.E. AUSTIN CORPORATION
Owner Address:	3301 BURNT MILL DR
Owner City,St,Zip:	WILMINGTON, NC 28403
Owner Phone:	(910) 762-4700
Tank ID:	5
Tank capacity:	5000
Comment:	Not reported
Date installed:	01/11/88
Date removed:	/ /
Status:	Currently In Use
Tank product:	Kerosene, Kerosene Mixture
Product Type:	NON
Tank material:	Steel
Interior Protection:	None
Exterior Protection:	Cathodic Protection
Piping material:	FRP
Certify Type:	Manufacturer's installation work checklists completed
Leak Detection Type:	Automatic tank guaging
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	Steel/FRP composite
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill:	Catchment basins
Financial Responsibility:	SELF
Latitude:	34.35283
Latitude 1:	34 21 10.19
Longitude:	77.89979
Longitude 1:	77 53 59.24
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	JLH
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GOGAS 7 (Continued)

U003145695

Leak Detection Type 2:	Inventory control
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	B
Compartment Tank:	No
Main Tank:	No
Tank ID Number:	Not reported
Corrosion Protection Tank Date:	/ /
Corrosion Protection Piping Date:	/ /
Spill Overfill Date:	/ /
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Tank Last Used Date:	/ /
Tank Certified Number:	2007032600
Date Last Certified:	02/28/07
Begin Certified Number:	01/04/07
End Certified Number:	/ /
Facility ID:	0-022089
Region:	08
Facility Telephone:	(910) 762-4700
Last Update:	06/16/06
Owner Name:	K.E. AUSTIN CORPORATION
Owner Address:	3301 BURNT MILL DR
Owner City,St,Zip:	WILMINGTON, NC 28403
Owner Phone:	(910) 762-4700
Tank ID:	6
Tank capacity:	10000
Comment:	Not reported
Date installed:	11/23/92
Date removed:	/ /
Status:	Currently In Use
Tank product:	Diesel, Diesel Mixture
Product Type:	NON
Tank material:	Steel
Interior Protection:	None
Exterior Protection:	Cathodic Protection
Piping material:	FRP
Certify Type:	Manufacturer's installation work checklists completed
Leak Detection Type:	Automatic tank guaging
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	Steel/FRP composite
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill:	Catchment basins
Financial Responsibility:	SELF
Latitude:	34.35283
Latitude 1:	34 21 10.19
Longitude:	77.89979
Longitude 1:	77 53 59.24
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	JLH
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	I
Leak Detection Type 2:	Inventory control

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GOGAS 7 (Continued)

U003145695

Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: B
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 2007032600
 Date Last Certified: 02/28/07
 Begin Certified Number: 01/04/07
 End Certified Number: / /

P87
ENE
> 1
15588 ft.

GOGAS #7
5604 CASTLE HAYNE ROAD
CASTLE HAYNE, NC 28429

FINDS 1007695893
110018524765

Site 5 of 5 in cluster P

Relative:
Lower

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
19 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

N88
SW
> 1
15590 ft.

WASTE INDUSTRIES. INC.
3618 HIGHWAY 421 NORTH
WILMINGTON, NC 28401

UST U003295515
N/A

Site 3 of 3 in cluster N

Relative:
Lower

UST:
 Facility ID: 0-025292
 Region: 08
 Facility Telephone: (910) 762-7563
 Last Update: 09/27/02
 Owner Name: WASTE INDUSTRIES. INC.
 Owner Address: 3301 BENSON DRIVE, STE 601
 Owner City,St,Zip: RALEIGH, NC 27609
 Owner Phone: (919) 325-3000
 Tank ID: 1
 Tank capacity: 10000
 Comment: Not reported
 Date installed: 07/22/88
 Date removed: / /

Actual:
14 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WASTE INDUSTRIES. INC. (Continued)

U003295515

Status: **Currently In Use**
 Tank product: Diesel, Diesel Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Cathodic Protection
 Piping material: Cathodic Protection
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Sacrificial annonde
 Corrosn Protec Pipe: Sacrificial annonde
 Spill and Overfill: Catchment basins
 Financial Responsibility: Not reported
 Latitude: 34.29367
 Latitude 1: 34 17 37.21
 Longitude: 77.96947
 Longitude 1: 77 58 10.11
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: D
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: 01/01/88
 Corrosion Protection Piping Date: 01/01/88
 Spill Overfill Date: 07/22/88
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 2006081100
 Date Last Certified: 09/20/06
 Begin Certified Number: 01/10/06
 End Certified Number: / /

89
 SSE
 > 1
 15617 ft.

CROOM RESIDENCE
103 WHITMAN AVE.
CASTLE HAYNE, NC

LUST S104483157
LUST TRUST N/A
IMD

Relative:
Higher

LUST:

Actual:
25 ft.

Facility ID: Not reported
 Incident Number: 21238
 Lat/Long: 34.294146249 77.922375987
 Testlat: Not reported
 Regional Officer Project Mgr: SAK
 Region: Wilmington
 Company: Not reported
 Contact Person: MARGARET CROOM
 Telephone: 9107635064

UST Number: WI-1791
 Lat/Long Decimal: 34.294146249 77.922375987

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CROOM RESIDENCE (Continued)

S104483157

RP Address:	103 WHITMAN AVE.	Product Type:	PETROLEUM
RP City,St,Zip:	CASTLE HAYNE, NC 28429-	Date Occur:	10/29/1999
RP County:	NEWHA	NORR Issue Date:	Not reported
Comm / Non-comm UST Site:	NON COMMERCIAL	Phase Of LSA Req:	Not reported
Risk Classification:	H	Land Use:	Not reported
Risk Class Based On Review:	H	# Of Supply Wells:	0
Corrective Action Plan Type:	Not reported	MTBE1:	No
Level Of Soil Cleanup Achieved:	Not reported	Flag1:	No
Tank Regulated Status:	R	Release Detection:	0
Contamination Type:	Groundwater/Both	Cleanup:	Not reported
Source Type:	Leak-underground	RBCA GW:	Not reported
Date Reported:	11/6/1999	RPL:	No
NOV Issue Date:	Not reported	Reel Num:	0
Site Priority:	Not reported	RPOP:	No
Site Risk Reason:	Free product	Error Flag:	0
Closure Request:	Not reported	Error Code:	Not reported
Close Out:	Not reported	Last Modified:	Not reported
MTBE:	No	Incident Phase:	Not reported
Flag:	No	NOV Issued:	Not reported
LUR Filed:	Not reported	NORR Issued:	Not reported
GPS Confirmed:	3	45 Day Report:	Not reported
Current Status:	File Located in House	Public Meeting Held:	Not reported
PETOPT:	4	Corrective Action Planned:	Not reported
CD Num:	0	SOC Sighned:	Not reported
RPOW:	Yes	Reclassification Report:	Not reported
Valid:	Yes	RS Designation:	Not reported
Comments:	need to resample in 9/03, has free product in mw-1,2, &3 soil above residential (c9-c22) water supply wells are clean - some unidentified tics, however the lab said these are not petroleum related, high score, municiple water might be available in2007		

LUST TRUST:

Facility ID:	Not reported
Site ID:	21238
Site Note:	Claims were submitted and processed under an incorrect #21138 The correct incident #is 21238
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CROOM RESIDENCE (Continued)

S104483157

[Click this hyperlink](#) while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

IMD:

Region: WIL
Facility ID: 21138
Date Occurred: 10/29/1999
Submit Date: 2/8/2000
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: SOIL SAMPLES CONFIRMED RELEASE OF HEATING OIL.
Operator: MARGARET CROOM
Contact Phone: 9107635064
Owner Company: Not reported
Operator Address: 103 WHITMAN AVE.
Operator City: CASTLE HAYNE
Oper City, St, Zip: CASTLE HAYNE, NC 28429-
Ownership: Private
Operation: Residential
Material: HEATING OIL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Residential
Risk Site: H
Site Priority: H
Priority Code: H
Priority Update: 2/8/2000
Dem Contact: SAK
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: CC31
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: NOD
Agency: Not reported
Facility ID: 21138
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CROOM RESIDENCE (Continued)

S104483157

Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 21238
Date Occurred: 10/29/1999
Submit Date: 11/6/1999
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: Not reported
Operator: MARGARET CROOM
Contact Phone: 9107635064
Owner Company: Not reported
Operator Address: 103 WHITMAN AVE.
Operator City: CASTLE HAYNE
Oper City, St, Zip: CASTLE HAYNE, NC 28429-
Ownership: Not reported
Operation: Not reported
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Not reported
Setting: Not reported
Risk Site: H
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: SAK
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.294146249
Longitude: -77.92237598
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: 3
Agency: DWM
Facility ID: 21238
Last Modified: Not reported
Incident Phase: Not reported
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CROOM RESIDENCE (Continued)

S104483157

Closure Request Date: Not reported
Close-out Report: Not reported

90
SW
> 1
15658 ft.

**HIGHWAY 421 NORTH 5 MILES NORTH OF WILMINGTON
HIGHWAY 421 NORTH 5 MILES NORTH OF WILMINGTON
NEW HANOVER (County), NC**

**ERNS 89110274
N/A**

Relative: [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.
Lower

Actual:
14 ft.

Q91
SW
> 1
15670 ft.

**ATLANTIC MACK SALES. INCORPORATED
3401 US HIGHWAY 421 NORTH
WILMINGTON, NC 28405**

**FINDS 1007709054
110018656471**

Site 2 of 3 in cluster Q

Relative: **FINDS:**
Lower Other Pertinent Environmental Activity Identified at Site

Actual: 13 ft. NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

Q92
SW
> 1
15670 ft.

**ATLANTIC MACK SALES. INC.
3401 U.S. HIGHWAY 421 NORTH
WILMINGTON, NC 28405**

**UST U001205971
N/A**

Site 3 of 3 in cluster Q

Relative: **UST:**
Lower Facility ID: 0-031745
Region: 08
Actual: Facility Telephone: (910) 763-6281
13 ft. Last Update: 08/06/96
Owner Name: TRIPLE T PARTS & EQUIP CO
Owner Address: PO BOX 2064, HWY 421N
Owner City,St,Zip: WILMINGTON, NC 28402
Owner Phone: (910) 763-6281
Tank ID: 1
Tank capacity: 1100
Comment: Not reported
Date installed: 05/16/80
Date removed: 09/13/97
Status: Permanent Closed

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ATLANTIC MACK SALES. INC. (Continued)

U001205971

Tank product: Oil, New/Used/Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Unknown
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 12/21/93
Tank Certified Number: 1997020810
Date Last Certified: 12/23/96
Begin Certified Number: 01/01/97
End Certified Number: / /

Facility ID: 0-031745
Region: 08
Facility Telephone: (910) 763-6281
Last Update: 08/06/96
Owner Name: TRIPLE T PARTS & EQUIP CO
Owner Address: PO BOX 2064, HWY 421N
Owner City,St,Zip: WILMINGTON, NC 28402
Owner Phone: (910) 763-6281
Tank ID: 2
Tank capacity: 1100
Comment: Not reported
Date installed: 01/01/64
Date removed: 09/13/97
Status: Permanent Closed
Tank product: Other, Non-Petroleum

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ATLANTIC MACK SALES. INC. (Continued)

U001205971

Product Type: EXE
 Tank material: Unknown
 Interior Protection: Unknown
 Exterior Protection: Unknown
 Piping material: Unknown
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: 12/21/93
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

**R93
 ENE
 > 1
 15689 ft.**

**MARY BLANCHARD OIL SPILL
 6104 SYCAMORE AVENUE
 CASTLE HAYNE, NC**

**IMD S106022390
 N/A**

Site 1 of 6 in cluster R

**Relative:
 Lower**

IMD:

**Actual:
 19 ft.**

Region: WIL
 Facility ID: 17812
 Date Occurred: 9/15/1997
 Submit Date: 9/30/1997
 GW Contam: No Groundwater Contamination detected
 Soil Contam: Not reported
 Incident Desc: SOIL EXCAVATED AND LANDFARMED ON A FIELD BEHIND HER HOUSE.
 Operator: BLANCHARD, MARY
 Contact Phone: (910)675-2530
 Owner Company: MARY BLANCHARD OIL SPILL

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MARY BLANCHARD OIL SPILL (Continued)

S106022390

Operator Address: 6104 SYCAMORE AVENUE
 Operator City: WILMINGTON
 Oper City, St, Zip: WILMINGTON, NC (910)675-253
 Ownership: Federal
 Operation: Industrial
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Spill-surface
 Type: Heating Oil
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: NOD
 Priority Update: Not reported
 Dem Contact: CDR
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 17812
 Last Modified: 8/4/2003
 Incident Phase: Closed Out
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**94
 SSE
 > 1
 15728 ft.**

**CHAMBLEE RESIDENCE
 128 WHITMAN AVE.
 CASTLE HAYNE, NC**

**LUST S102869058
 LUST TRUST N/A
 IMD**

**Relative:
 Higher**

LUST:

**Actual:
 29 ft.**

Facility ID: Not reported
 Incident Number: 17763
 Lat/Long: 341738 775533
 Testlat: Not reported
 Regional Officer Project Mgr: SAK
 UST Number: WI-1493
 Lat/Long Decimal: 0 0

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CHAMBLEE RESIDENCE (Continued)

S102869058

Region:	Wilmington	Product Type:	PETROLEUM
Company:	Not reported	Date Occur:	11/8/1996
Contact Person:	MR. KEN CHAMBLEE	NORR Issue Date:	Not reported
Telephone:	Not reported	Phase Of LSA Req:	Not reported
RP Address:	128 WHITMAN ROAD	Land Use:	Not reported
RP City,St,Zip:	CASTLE HAYNE, NC 28429-	# Of Supply Wells:	0
RP County:	Not reported	MTBE1:	Unknown
Comm / Non-comm UST Site:	NON COMMERCIAL	Flag1:	No
Risk Classification:	Not reported	Release Detection:	0
Risk Class Based On Review:	L	Cleanup:	Not reported
Corrective Action Plan Type:	Not reported	RBCA GW:	Not reported
Level Of Soil Cleanup Achieved:	Not reported	RPL:	No
Tank Regulated Status:	Non Regulated	Reel Num:	3911
Contamination Type:	Soil	RPOP:	No
Source Type:	Leak-underground	Valid:	No
Date Reported:	11/8/1996		
NOV Issue Date:	Not reported		
Site Priority:	Not reported		
Site Risk Reason:	Not reported		
Closure Request:	Not reported		
Close Out:	9/30/1999		
MTBE:	Not reported		
Flag:	No		
LUR Filed:	Not reported		
GPS Confirmed:	Not reported		
Current Status:	File Located in Archives		
PETOPT:	Not reported		
CD Num:	159		
RPOW:	No		
Error Flag:	0		
Error Code:	Not reported		
Last Modified:	5/3/2001		
Incident Phase:	Closed Out		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	9/30/1999		
Comments:	Not reported		

LUST TRUST:

Facility ID:	Not reported
Site ID:	17763
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	100000
Sum 3rd Party Amt Applied:	0

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHAMBLEE RESIDENCE (Continued)

S102869058

[Click this hyperlink](#) while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

IMD:

Region: WIL
Facility ID: 17763
Date Occurred: 11/8/1996
Submit Date: 8/29/1997
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: SOIL SAMPLE DURING UST CLOSURE INDICATED PETRO CONTAM.; ADDITIONAL SOIL SAMPLE AFTER EXCAVATION INDICATES THAT THE CONTAM. HAS BEEN REMOVED
Operator: MR. KEN CHAMBLEE
Contact Phone: Not reported
Owner Company: Not reported
Operator Address: 128 WHITMAN ROAD
Operator City: CASTLE HAYNE
Oper City, St, Zip: CASTLE HAYNE, NC 28429-
Ownership: Private
Operation: Residential
Material: HEATING OIL
Qty Lost 1: Not reported
Qty Recovered 1: UNKNOWN
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Residential
Risk Site: Not reported
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: SAK
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.29388888
Longitude: -77.92583333
Latitude Number: 341738
Longitude Number: 775533
Latitude Decimal: 34.2938888888889
Longitude Decimal: 77.9258333333333
GPS: NOD
Agency: DWM
Facility ID: 17763
Last Modified: 5/3/2001
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CHAMBLEE RESIDENCE (Continued)

S102869058

Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 9/30/1999

**S95
 ENE
 > 1
 15819 ft.**

**JANICKI'S TWIN STATE
 5712 CASTLE HAYNE ROAD
 CASTLE HAYNE, NC**

**LUST S105766334
 IMD N/A**

Site 1 of 2 in cluster S

**Relative:
 Lower**

LUST:

**Actual:
 19 ft.**

Facility ID:	0-021651	UST Number:	WI-756
Incident Number:	3417	Lat/Long Decimal:	0 0
Lat/Long:	342113 775401		
Testlat:	Not reported		
Regional Officer Project Mgr:	DTM		
Region:	Wilmington		
Company:	WORSLEY OIL COMPANIES, INC.		
Contact Person:	MR. CECIL WORSLEY		
Telephone:	Not reported		
RP Address:	P.O. BOX 3227		
RP City,St,Zip:	WILMINGTON, NC 28406-		
RP County:	Not reported		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	H		
Risk Class Based On Review:	L		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Tank Regulated Status:	R		
Contamination Type:	Groundwater/Both		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	4/29/1987	Date Occur:	3/3/1987
NOV Issue Date:	Not reported	NORR Issue Date:	Not reported
Site Priority:	195A	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	10/10/1996		
MTBE:	Not reported	MTBE1:	Yes
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	Not reported	Cleanup:	Not reported
Current Status:	File Located in Archives	RBCA GW:	Not reported
PETOPT:	3	RPL:	No
CD Num:	43	Reel Num:	3785
RPOW:	No	RPOP:	No
Error Flag:	0	Valid:	No
Error Code:	Not reported		
Last Modified:	3/29/1999		
Incident Phase:	Closed Out		
NOV Issued:	4/30/1987		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

JANICKI'S TWIN STATE (Continued)

S105766334

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 10/10/1996
Comments: SAME SITE AS TWIN STATE EXXON

IMD:

Region: WIL
Facility ID: 3417
Date Occurred: 3/3/1987
Submit Date: 5/6/1987
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: DEM RECEIVED NOTIFICATION THAT PETROLEUM COMPOUNDS WERE FOUND IN A WATER SUPPLY WELL AT THE PANTRY STORE.
Operator: MR. CECIL WORSLEY
Contact Phone: Not reported
Owner Company: WORSLEY OIL COMPANIES, INC.
Operator Address: P.O. BOX 3227
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC 28406-
Ownership: Private
Operation: Commercial
Material: REG. GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: NONE
Material: REG. UNL. GASOLINE
Qty Lost: Not reported
Qty Recovered: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: H
Site Priority: 195A
Priority Code: H
Priority Update: 5/30/1998
Dem Contact: DTM
Wells Affected: Yes
Num Affected: 1
Wells Contam: THE PANTRY STORE W
Sampled By: None
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.35361111
Longitude: -77.90027777
Latitude Number: 342113
Longitude Number: 775401
Latitude Decimal: 34.35361111111111
Longitude Decimal: 77.90027777777778
GPS: NOD
Agency: DWM
Facility ID: 3417
Last Modified: 3/29/1999
Incident Phase: Closed Out
NOV Issued: 4/30/1987
NORR Issued: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

JANICKI'S TWIN STATE (Continued)

S105766334

45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 10/10/1996

**S96
 ENE
 > 1
 15819 ft.**

**TWIN STATE EXXON
 5712 CASTLE HAYNE RD
 CASTLE HAYNE, NC**

**LUST S103916740
 IMD N/A**

Site 2 of 2 in cluster S

**Relative:
 Lower**

LUST:

**Actual:
 19 ft.**

Facility ID: 0-021651
 Incident Number: 20040 UST Number: WI-1686
 Lat/Long: 34.354265834 77.899820206 Lat/Long Decimal: 34.354265834 77.899820206
 Testlat: Not reported
 Regional Officer Project Mgr: DTM
 Region: Wilmington
 Company: WORSLEY COMPANIES, INC.
 Contact Person: MITCH ROSE
 Telephone: Not reported
 RP Address: P.O. BOX 3227
 RP City,St,Zip: WILMINGTON, NC 28406-
 RP County: Not reported
 Comm / Non-comm UST Site: COMMERCIAL
 Risk Classification: H
 Risk Class Based On Review: H
 Corrective Action Plan Type: air sparging and soil vapor extraction
 Level Of Soil Cleanup Achieved: Residential
 Tank Regulated Status: R
 Contamination Type: Groundwater/Both
 Source Type: Leak-underground Product Type: PETROLEUM
 Date Reported: 3/5/1999 Date Occur: 12/9/1998
 NOV Issue Date: Not reported NORR Issue Date: 8/29/2000
 Site Priority: Not reported Phase Of LSA Req:2
 Site Risk Reason: Not reported Land Use: Residential
 Closure Request: Not reported # Of Supply Wells: 1
 Close Out: 11/15/2005
 MTBE: Yes MTBE1: Yes
 Flag: No Flag1: No
 LUR Filed: 11/30/2005 Release Detection: 0
 GPS Confirmed: Yes Cleanup: Not reported
 Current Status: File Located in House RBCA GW: Cleanups to alternate standards
 PETOPT: 3 RPL: No
 CD Num: 0 Reel Num: 0
 RPOW: Yes RPOP: No
 Error Flag: 0
 Error Code: Not reported Valid: No
 Last Modified: 8/27/2001
Incident Phase: Closed Out
 NOV Issued: 8/10/2001
 NORR Issued: Not reported
 45 Day Report: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

TWIN STATE EXXON (Continued)

S103916740

Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported
Comments: water supply wells; SAME SITE AS JANICKI TWIN STATE AND SCOTCHMAN #265. Supply Well previously containing MTBE below standards has been abandoned and a new source of water supplied which tests clean. 1/15/2005 - After treatment system operated and shut down soil contamination is now cleaned up. One monitoring well maintains benzene of 0.5 or 1 occassionally but has mostly been monitored clean. Will NRP for groundwater and close out.

IMD:

Region: WIL
Facility ID: 20040
Date Occurred: 12/9/1998
Submit Date: 6/15/1999
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: SOIL CONTAM. WAS CONFIRMED DURING REMOVAL OF UST.
Operator: MITCH ROSE
Contact Phone: Not reported
Owner Company: WORSLEY COMPANIES, INC.
Operator Address:P.O. BOX 3227
Operator City: WILMINGTON
Oper City,St,Zip: WILMINGTON, NC 28406-
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: DIESEL
Qty Lost: Not reported
Qty Recovered: Not reported
Material: KEROSENE
Qty Lost: Not reported
Qty Recovered 3: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Rural
Risk Site: H
Site Priority: H
Priority Code: H
Priority Update: 6/15/1999
Dem Contact: DTM
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Respons ble Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: BB30I
Latitude: 34.354265834
Longitude: -77.89982020

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TWIN STATE EXXON (Continued)

S103916740

Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: 1
 Agency: DWM
 Facility ID: 20040
 Last Modified: 8/27/2001
 Incident Phase: Closed Out
 NOV Issued: 8/10/2001
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighed: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**R97
 ENE
 > 1
 15917 ft.**

**THE PANTRY 915 DBA SPRINT
 5717 CASTLE HAYNE ROAD
 CASTLE HAYNE, NC 28429**

**LUST U003295414
 UST N/A
 IMD**

Site 2 of 6 in cluster R

**Relative:
 Lower**

LUST:

**Actual:
 19 ft.**

Facility ID: 0-035717	UST Number: WI-1957
Incident Number: 22827	Lat/Long Decimal: 0 0
Lat/Long: 342116 775401	
Testlat: Not reported	
Regional Officer Project Mgr: DTM	
Region: Wilmington	
Company: THE PANTRY, INC.	
Contact Person: RENEE THOMAS	
Telephone: 9197746700	
RP Address: 1801 DOUGLAS DRIVE	
RP City,St,Zip: SANFORD, NC 27330-	
RP County: Not reported	
Comm / Non-comm UST Site: COMMERCIAL	
Risk Classification: H	
Risk Class Based On Review: L	
Corrective Action Plan Type: Not reported	
Level Of Soil Cleanup Achieved: Not reported	
Tank Regulated Status: R	
Contamination Type: Groundwater/Both	
Source Type: Unknown	Product Type: PETROLEUM
Date Reported: 10/15/2000	Date Occur: 10/13/2000
NOV Issue Date: Not reported	NORR Issue Date: 11/16/2000
Site Priority: Not reported	Phase Of LSA Req: Not reported
Site Risk Reason: Not reported	Land Use: Not reported
Closure Request: Not reported	# Of Supply Wells: 0
Close Out: 12/11/2002	
MTBE: No	MTBE1: Unknown
Flag: No	Flag1: No
LUR Filed: Not reported	Release Detection: 0
GPS Confirmed: 7	Cleanup: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

THE PANTRY 915 DBA SPRINT (Continued)

U003295414

Current Status:	File Located in Archives	RBCA GW:	Not reported
PETOPT:	3	RPL:	No
CD Num:	176	Reel Num:	3911
RPOW:	No	RPOP:	No
Error Flag:	0		
Error Code:	Not reported	Valid:	No

Last Modified: 1/29/2001
Incident Phase: Closed Out
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

Comments: MTBE DISCOVERED DURING SAMPLING OF WS WELL. WELL ALSO SERVES PANTRY # 484. A SUSPECTED RELEASE NORR WAS ISSUED. SITE CHECK CONDUCTED AROUND TANK PIT AND DISPENSERS FOR 5030. NO SAMPLES ABOVE BDL FOUND. GROUNDWATER SAMPLE TAKEN FROM ONE BORING SHOWED BDL.

UST:

Facility ID: 0-035717
 Region: 08
 Facility Telephone: (919) 774-6700
 Last Update: 07/13/04
 Owner Name: THE PANTRY. INC
 Owner Address: PO BOX 1410/1801 DOUGLAS DRIVE
 Owner City,St,Zip: SANFORD, NC 27330
 Owner Phone: (919) 774-6700
 Tank ID: 1
 Tank capacity: 20000
 Comment: Not reported
 Date installed: 01/06/98
 Date removed: / /
Status: Currently In Use
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: Double Wall
 Exterior Protection: FRP
 Piping material: FRP
 Certify Type: Not reported
 Leak Detection Type: Automatic tank guaging
 Leak Detection Piping 1: Statistical inventory reconciliation
 Corrosn Protec Tank: Steel/FRP composite
 Corrosn Protec Pipe: FRP tank/piping
 Spill and Overfill: Catchment basins
 Financial Responsibility: SELF/SURETY BOND
 Latitude: 34.35424
 Latitude 1: 34 21 15.28
 Longitude: 77.90037
 Longitude 1: 77 54 01.34
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

THE PANTRY 915 DBA SPRINT (Continued)

U003295414

Financial Responsibility Code: D
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: H
Leak Detection Type 2: Statistical inventory reconciliation
Corrosion Protection Tank1: I
Corrosion Piping: Not reported
Overfill: D
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 01/06/98
Corrosion Protection Piping Date: 01/06/98
Spill Overfill Date: 01/06/98
Piping System Type Code: P
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2006079010
Date Last Certified: 12/09/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-035717
Region: 08
Facility Telephone: (919) 774-6700
Last Update: 07/13/04
Owner Name: THE PANTRY. INC
Owner Address: PO BOX 1410/1801 DOUGLAS DRIVE
Owner City,St,Zip: SANFORD, NC 27330
Owner Phone: (919) 774-6700
Tank ID: 2
Tank capacity: 15000
Comment: Not reported
Date installed: 01/06/98
Date removed: / /

Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Double Wall
Exterior Protection: FRP
Piping material: 11
Certify Type: Not reported
Leak Detection Type: Automatic tank gauging
Leak Detection Piping 1: Statistical inventory reconciliation
Corrosn Protec Tank: Steel/FRP composite
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF/SURETY BOND
Latitude: 34.35424
Latitude 1: 34 21 15.28
Longitude: 77.90037
Longitude 1: 77 54 01.34
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: D

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

THE PANTRY 915 DBA SPRINT (Continued)

U003295414

Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: H
Leak Detection Type 2: Statistical inventory reconciliation
Corrosion Protection Tank1: I
Corrosion Piping: I
Overfill: D
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 01/06/98
Corrosion Protection Piping Date: 01/06/98
Spill Overfill Date: 01/06/98
Piping System Type Code: P
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 200607901O
Date Last Certified: 12/09/06
Begin Certified Number: 01/10/06
End Certified Number: / /

IMD:

Region: WIL
Facility ID: 22827
Date Occurred: 10/13/2000
Submit Date: 1/29/2001
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: GROUNDWATER AND SOIL CONTAMINATION DISCOVERED DURING UST INVESTIGATION
Operator: RENEE THOMAS
Contact Phone: 9197746700
Owner Company: THE PANTRY, INC.
Operator Address: 1801 DOUGLAS DRIVE
Operator City: SANFORD
Oper City, St, Zip: SANFORD, NC 27330-
Ownership: Private
Operation: Commercial
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Unknown
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Risk Site: H
Site Priority: U
Priority Code: Not reported
Priority Update: 1/29/2001
Dem Contact: DTM
Wells Affected: Yes
Num Affected: 1
Wells Contam: Store supply well
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

THE PANTRY 915 DBA SPRINT (Continued)

U003295414

Latitude: 34.35444444
 Longitude: -77.90027777
 Latitude Number: 342116
 Longitude Number: 775401
 Latitude Decimal: 34.3544444444444
 Longitude Decimal: 77.9002777777778
 GPS: 7
 Agency: DWM
 Facility ID: 22827
 Last Modified: 1/29/2001
 Incident Phase: Closed Out
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**R98
 ENE
 > 1
 15917 ft.**

**THE PANTRY #915
 5717 CASTLE HAYNE ROAD
 CASTLE HAYNE, NC 28429**

**FINDS 1007715246
 110018718547**

Site 3 of 6 in cluster R

**Relative:
 Lower**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 19 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

**R99
 ENE
 > 1
 15923 ft.**

**RAINBOW MOTEL
 5718 CASTLE HAYNE RD
 CASTLE HAYNE, NC**

**LUST S105119869
 IMD N/A**

Site 4 of 6 in cluster R

**Relative:
 Lower**

LUST:
 Facility ID: Not reported
 Incident Number: 17535 UST Number: WI-1479
 Lat/Long: 342116 775403 Lat/Long Decimal: 0 0
 Testlat: Not reported
 Regional Officer Project Mgr: SAK
 Region: Wilmington
 Company: RAINBOW MOTEL

**Actual:
 19 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

RAINBOW MOTEL (Continued)

S105119869

Contact Person: MR. GORDON BELCHER
Telephone: Not reported
RP Address: P.O. BOX 248
RP City,St,Zip: CASTLE HAYNE, NC 28429-
RP County: Not reported
Comm / Non-comm UST Site: COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
Level Of Soil Cleanup Achieved:Not reported
Tank Regulated Status: R
Contamination Type: Soil
Source Type: Leak-underground
Date Reported: 6/23/1997
NOV Issue Date: Not reported
Site Priority: Not reported
Site Risk Reason: Not reported
Closure Request: Not reported
Close Out: 5/4/2001
MTBE: Not reported
Flag: No
LUR Filed: Not reported
GPS Confirmed: Not reported
Current Status: File Located in Archives
PETOPT: 3
CD Num: 160
RPOW: No
Error Flag: 0
Error Code: Not reported
Last Modified: 12/10/2001
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 5/9/2001
Comments: PIRF, THEN NFA

Product Type: PETROLEUM
Date Occur: 12/14/1996
NORR Issue Date: Not reported
Phase Of LSA Req:Not reported
Land Use: Not reported
Of Supply Wells: 0
MTBE1: Unknown
Flag1: No
Release Detection: 0
Cleanup: Not reported
RBCA GW: Not reported
RPL: No
Reel Num: 3911
RPOP: No
Valid: No

IMD:

Region: WIL
Facility ID: 17535
Date Occurred: 12/14/1996
Submit Date: 7/9/1997
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: REMOVED (3) 1000 GAL GASOLINE USTS & (1) 550 GAL KERO UST; 29 PPM TPH
5030. 45 PPM TPH 3550. CONTAM SOIL (102 TONS) EXCAVATED & DISPOSED OF;
CLEANUP COMPLETE
Operator: MR. GORDON BELCHER
Contact Phone: Not reported
Owner Company: RAINBOW MOTEL
Operator Address:P.O. BOX 248

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RAINBOW MOTEL (Continued)

S105119869

Operator City: CASTLE HAYNE
Oper City,St,Zip: CASTLE HAYNE, NC 28429-
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: KEROSENE
Qty Lost: Not reported
Qty Recovered: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Residential
Risk Site: L
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: SAK
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.35444444
Longitude: -77.90083333
Latitude Number: 342116
Longitude Number: 775403
Latitude Decimal: 34.3544444444444
Longitude Decimal: 77.9008333333333
GPS: NOD
Agency: DWM
Facility ID: 17535
Last Modified: 12/10/2001
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 5/9/2001

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

R100
ENE
 > 1
 15923 ft.

FUTURE PANTRY LOCATION
5719 CASTLE HAYNE RD
CASTLE HAYNE, NC

LUST S103717372
IMD N/A

Site 5 of 6 in cluster R

Relative:
Lower

LUST:

Actual:
19 ft.

Facility ID:	Not reported	UST Number:	WI-1611
Incident Number:	19127	Lat/Long Decimal:	0 0
Lat/Long:	342116 775401		
Testlat:	Not reported		
Regional Officer Project Mgr:	DTM		
Region:	Wilmington		
Company:	THE PANTRY, INC.		
Contact Person:	MS. RENEE THOMAS		
Telephone:	Not reported		
RP Address:	P.O. BOX 1410		
RP City,St,Zip:	SANFORD, NC 27331-		
RP County:	Not reported		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	Not reported		
Risk Class Based On Review:	L		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Tank Regulated Status:	R		
Contamination Type:	Soil		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	3/4/1998	Date Occur:	3/4/1998
NOV Issue Date:	Not reported	NORR Issue Date:	Not reported
Site Priority:	Not reported	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	11/25/2002		
MTBE:	Not reported	MTBE1:	Unknown
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	Not reported	Cleanup:	Not reported
Current Status:	File Located in Archives	RBCA GW:	Not reported
PETOPT:	3	RPL:	Yes
CD Num:	176	Reel Num:	3911
RPOW:	No	RPOP:	No
Error Flag:	0		
Error Code:	Not reported	Valid:	No
Last Modified:	Not reported		
Incident Phase:	Closed Out		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		

Comments: PANTRY FOUND ABANDONED PRODUCT LINES AT SITE. 5030 SAMPLES TAKEN ALL RESULTS BDL. STOCKPILE CONTAINED CONTAMINATION ABOVE 10 PPM. STOCKPILE WAS SPREAD W/OUT CERTIFICATE OF APPROVAL ON SITE. SITE WAS PAVED FOR NEW PANTRY FACILITY BEFORE WE WERE NOTIFIED

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FUTURE PANTRY LOCATION (Continued)

S103717372

IMD:

Region: WIL
Facility ID: 19127
Date Occurred: 3/4/1998
Submit Date: 10/20/1998
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: DURING DEMOLITION & GRADING, OLD PRODUCT LINE DISCOVERED; SOIL EXCAVATED AND STOCKPILED ON SITE; CONTAM. SOIL LATER SPREAD OUT ON SITE BEFORE PERMIT ISSUED
Operator: MS. RENEE THOMAS
Contact Phone: Not reported
Owner Company: THE PANTRY, INC.
Operator Address: P.O. BOX 1410
Operator City: SANFORD
Oper City, St, Zip: SANFORD, NC 27331-
Ownership: Private
Operation: Commercial
Material: OLD PRODUCT LINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: Not reported
Site Priority: H
Priority Code: H
Priority Update: 10/30/1998
Dem Contact: DTM
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.35444444
Longitude: -77.90027777
Latitude Number: 342116
Longitude Number: 775401
Latitude Decimal: 34.35444444444444
Longitude Decimal: 77.90027777777778
GPS: NOD
Agency: DWM
Facility ID: 19127
Last Modified: Not reported
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

FUTURE PANTRY LOCATION (Continued)

S103717372

Close-out Report: Not reported

R101
ENE
 > 1
 16127 ft.

PANTRY 484
5800 CASTLE HAYNE RD
CASTLE HAYNE, NC 27330

UST U003145768
N/A

Site 6 of 6 in cluster R

Relative:
Lower

UST:
 Facility ID: 0-022582
 Region: 08
 Facility Telephone: (919) 774-6700
 Last Update: 06/29/04
 Owner Name: THE PANTRY. INC
 Owner Address: PO BOX 1410/1801 DOUGLAS DRIVE
 Owner City,St,Zip: SANFORD, NC 27330
 Owner Phone: (919) 774-6700
 Tank ID: 1
 Tank capacity: 10000
 Comment: Not reported
 Date installed: 06/05/86
 Date removed: / /
Status: Currently In Use
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: FRP
 Exterior Protection: FRP
 Piping material: FRP
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Steel/FRP composite
 Corrosn Protec Pipe: FRP tank/piping
 Spill and Overfill: Catchment basins
 Financial Responsibility: Not reported
 Latitude: 34.35491
 Latitude 1: 34 21 17.69
 Longitude: 77.89963
 Longitude 1: 77 53 58.65
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: D
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /

Actual:
 19 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PANTRY 484 (Continued)

U003145768

Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2006073470
Date Last Certified: 08/09/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-022582
Region: 08
Facility Telephone: (919) 774-6700
Last Update: 06/29/04
Owner Name: THE PANTRY. INC
Owner Address: PO BOX 1410/1801 DOUGLAS DRIVE
Owner City,St,Zip: SANFORD, NC 27330
Owner Phone: (919) 774-6700
Tank ID: 2
Tank capacity: 10000
Comment: Not reported
Date installed: 06/05/86
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Steel/FRP composite
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: Not reported
Latitude: 34.35491
Latitude 1: 34 21 17.69
Longitude: 77.89963
Longitude 1: 77 53 58.65
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: D
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PANTRY 484 (Continued)

U003145768

Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2006073470
Date Last Certified: 08/09/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-022582
Region: 08
Facility Telephone: (919) 774-6700
Last Update: 06/29/04
Owner Name: THE PANTRY, INC
Owner Address: PO BOX 1410/1801 DOUGLAS DRIVE
Owner City,St,Zip: SANFORD, NC 27330
Owner Phone: (919) 774-6700
Tank ID: 3
Tank capacity: 10000
Comment: Not reported
Date installed: 06/05/86
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Steel/FRP composite
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: Not reported
Latitude: 34.35491
Latitude 1: 34 21 17.69
Longitude: 77.89963
Longitude 1: 77 53 58.65
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: D
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PANTRY 484 (Continued)

U003145768

Tank Last Used Date: //
Tank Certified Number: 2006073470
Date Last Certified: 08/09/06
Begin Certified Number: 01/10/06
End Certified Number: //

**102
East
> 1
16189 ft.**

**WILMINGTON AUTO SALVAGE
4614 NORTH COLEGE ROAD
CASTLE HAYNE, NC**

**IMD S106022436
N/A**

**Relative:
Lower**

IMD:

**Actual:
7 ft.**

Region: WIL
Facility ID: 85468
Date Occurred: 6/23/1999
Submit Date: 2/7/2001
GW Contam: No Groundwater Contamination detected
Soil Contam: Not reported
Incident Desc: Not reported
Operator: TOMMY HAWKINS, MR.
Contact Phone: 910-675-9400
Owner Company: WILMINGTON AUTO SALVAGE
Operator Address: 4614 NORTH COLLEGE ROAD
Operator City: CASTLE HAYNE
Oper City,St,Zip: CASTLE HAYNE 910-675-9400
Ownership: Federal
Operation: 8
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Spill-surface
Type: Other petroleum product
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: NOD
Priority Update: Not reported
Dem Contact: CDR
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 85468
Last Modified: 7/31/2003
Incident Phase: Closed Out
NOV Issued: 7/15/1999

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WILMINGTON AUTO SALVAGE (Continued)

S106022436

NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: 8/2/1999
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 8/3/1999

**T103
 SSW
 > 1
 16300 ft.**

**KENAN TRANSPORT CO.
 3201 US HWY 421 NORTH
 WILMINGTON, NC**

**LUST S106799786
 IMD N/A**

Site 1 of 2 in cluster T

**Relative:
 Lower**

LUST:

**Actual:
 14 ft.**

Facility ID: 0-000583
 Incident Number: 12099 UST Number: WI-1150
 Lat/Long: 34 17 25.98 77 58 13.98 Lat/Long Decimal: 34.29055 77.97055
 Testlat: Not reported
 Regional Officer Project Mgr: SAK
 Region: Wilmington
 Company: KENAN TRANSPORT COMPANY
 Contact Person: MR. ROBERT JAYNE
 Telephone: Not reported
 RP Address: P.O. BOX 2729
 RP City,St,Zip: CHAPEL HILL, NC 27515-2729
 RP County: Not reported
 Comm / Non-comm UST Site: COMMERCIAL
 Risk Classification: L
 Risk Class Based On Review: H
 Corrective Action Plan Type: AK
 Level Of Soil Cleanup Achieved: Not reported
 Tank Regulated Status: R
 Contamination Type: Groundwater/Both
 Source Type: Leak-underground Product Type: PETROLEUM
 Date Reported: 4/13/1994 Date Occur: 3/3/1994
 NOV Issue Date: Not reported NORR Issue Date: 5/9/1994
 Site Priority: 40E Phase Of LSA Req: Not reported
 Site Risk Reason: Not reported Land Use: Not reported
 Closure Request: Not reported # Of Supply Wells: 0
 Close Out: Not reported
 MTBE: Not reported MTBE1: No
 Flag: No Flag1: No
 LUR Filed: Not reported Release Detection: 0
 GPS Confirmed: 4 Cleanup: Not reported
 Current Status: File Located in House RBCA GW: Not reported
 PETOPT: 3 RPL: No
 CD Num: 0 Reel Num: 0
 RPOW: Yes RPOP: No
 Error Flag: 0
 Error Code: Not reported Valid: No
 Last Modified: Not reported
Incident Phase: Response
 NOV Issued: Not reported
 NORR Issued: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

KENAN TRANSPORT CO. (Continued)

S106799786

45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported
Comments: air-sparging (horizontal wells) ran for 3-4 months, site has 2 quarters of <2L in the monitoring wells as well as no free product, site might be eligible for soil excavation and then closed (9/05)

IMD:

Region: WIL
Facility ID: 12099
Date Occurred: 3/3/1994
Submit Date: 5/2/1994
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: SOIL SAMPLE RESULTS INDICATED THAT A RELEASE HAD OCCURRED.
Operator: MR. ROBERT JAYNE
Contact Phone: Not reported
Owner Company: KENAN TRANSPORT COMPANY
Operator Address: P.O. BOX 2729
Operator City: CHAPEL HILL
Oper City, St, Zip: CHAPEL HILL, NC 27515-2729
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: DIESEL
Qty Lost: Not reported
Qty Recovered: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Risk Site: L
Site Priority: 40E
Priority Code: L
Priority Update: 5/30/1998
Dem Contact: SAK
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.29027777
Longitude: -77.97027777
Latitude Number: 341725
Longitude Number: 775813
Latitude Decimal: 34.2902777777778
Longitude Decimal: 77.9702777777778
GPS: 4

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

KENAN TRANSPORT CO. (Continued)

S106799786

Agency: DWM
 Facility ID: 12099
 Last Modified: Not reported
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighed: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

T104
SSW
 > 1
 16300 ft.

KENAN TRANSPORT DIESEL UST
3201 US HWY 421 NORTH
WILMINGTON, NC

LUST **S106799816**
IMD **N/A**

Site 2 of 2 in cluster T

Relative:
Lower

LUST:

Actual:
14 ft.

Facility ID: 0-000583
 Incident Number: 7899 UST Number: WI-990
 Lat/Long: 341707 775809 Lat/Long Decimal: 0 0
 Testlat: Not reported
 Regional Officer Project Mgr: JDP
 Region: Wilmington
 Company: KENAN TRANSPORT COMPANY
 Contact Person: MR. ROBERT JAYNE
 Telephone: Not reported
 RP Address: P.O. BOX 2729
 RP City,St,Zip: CHAPEL HILL, NC 27515-2729
 RP County: Not reported
 Comm / Non-comm UST Site: COMMERCIAL
 Risk Classification: L
 Risk Class Based On Review: L
 Corrective Action Plan Type: Z
 Level Of Soil Cleanup Achieved: Not reported
 Tank Regulated Status: R
 Contamination Type: Groundwater/Both
 Source Type: Leak-underground Product Type: PETROLEUM
 Date Reported: 4/9/1992 Date Occur: 4/9/1992
 NOV Issue Date: Not reported NORR Issue Date: 5/15/1992
 Site Priority: 105D Phase Of LSA Req: Not reported
 Site Risk Reason: Not reported Land Use: Not reported
 Closure Request: Not reported # Of Supply Wells: 0
 Close Out: Not reported
 MTBE: Not reported MTBE1: Unknown
 Flag: No Flag1: No
 LUR Filed: Not reported Release Detection: 0
 GPS Confirmed: Not reported Cleanup: Not reported
 Current Status: File Located in House RBCA GW: Not reported
 PETOPT: 3 RPL: No
 CD Num: 0 Reel Num: 0
 RPOW: No RPOP: No
 Error Flag: 0

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

KENAN TRANSPORT DIESEL UST (Continued)

S106799816

Error Code:	Not reported	Valid:	No
Last Modified:	Not reported		
Incident Phase:	Response		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		
Comments:	Site visit confirmed WSW well within 1000 feet. See also incident #12099.		

IMD:

Region: WIL
 Facility ID: 7899
 Date Occurred: 4/9/1992
 Submit Date: 5/22/1992
 GW Contam: Yes, Groundwater Contamination has been detected
 Soil Contam: No
 Incident Desc: TANK FAILED TANK TIGHTNESS TEST. SOIL BORING CONFIRMED 2 TO 3 INCHES OF FREE PRODUCT ON GW.
 Operator: MR. ROBERT JAYNE
 Contact Phone: Not reported
 Owner Company: KENAN TRANSPORT COMPANY
 Operator Address: P.O. BOX 2729
 Operator City: CHAPEL HILL
 Oper City, St, Zip: CHAPEL HILL, NC 27515-2729
 Ownership: Private
 Operation: Commercial
 Material: DIESEL
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Leak-underground
 Type: Gasoline/diesel
 Location: Facility
 Setting: Industrial
 Risk Site: L
 Site Priority: 105D
 Priority Code: L
 Priority Update: 5/30/1998
 Dem Contact: JDP
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Respons ble Parties
 Samples Include: Soil Samples
 7.5 Min Quad: Not reported
 5 Min Quad: C 31 N
 Latitude: 34.28527777
 Longitude: -77.96916666
 Latitude Number: 341707
 Longitude Number: 775809
 Latitude Decimal: 34.2852777777778
 Longitude Decimal: 77.9691666666667

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

KENAN TRANSPORT DIESEL UST (Continued)

S106799816

GPS: NOD
 Agency: DWM
 Facility ID: 7899
 Last Modified: Not reported
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**105
 ENE
 > 1
 16403 ft.**

**MCCLURE PRESBYTERIAN PRE-SCH
 5908 CASTLE HAYNE ROAD
 CASTLE HAYNE, NC 28429**

**FINDS 1007715084
 110018716914**

**Relative:
 Lower**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 19 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

**106
 ENE
 > 1
 16527 ft.**

**SOUTHERN BELL TELECOMMUNICATIO
 5915 ORANGE STREET
 WILMINGTON, NC**

**LUST S105120025
 IMD N/A**

**Relative:
 Lower**

LUST:
 Facility ID: 0-020758
 Incident Number: 22894 UST Number: WI-1978
 Lat/Long: Not reported Lat/Long Decimal: 0 0
 Testlat: Not reported
 Regional Officer Project Mgr: DTM
 Region: Wilmington
 Company: Not reported
 Contact Person: Not reported
 Telephone: Not reported
 RP Address: Not reported
 RP City,St,Zip: Not reported
 RP County: Not reported
 Comm / Non-comm UST Site: COMMERCIAL
 Risk Classification: L
 Risk Class Based On Review: L

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SOUTHERN BELL TELECOMMUNICATIO (Continued)

S105120025

Corrective Action Plan Type: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: R
Contamination Type: Soil
Source Type: Leak-underground
Date Reported: 12/11/1995
NOV Issue Date: Not reported
Site Priority: Not reported
Site Risk Reason: Not reported
Closure Request: Not reported
Close Out: 12/11/1995
MTBE: Not reported
Flag: No
LUR Filed: Not reported
GPS Confirmed: Not reported
Current Status: File Located in Archives
PETOPT: 3
CD Num: 42
RPOW: No
Error Flag: 0
Error Code: Not reported
Last Modified: 6/7/2002
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 12/11/1995
Comments: NFA

Product Type: PETROLEUM
Date Occur: 10/29/1994
NORR Issue Date: Not reported
Phase Of LSA Req: Not reported
Land Use: Not reported
Of Supply Wells: 0
MTBE1: Unknown
Flag1: No
Release Detection: 0
Cleanup: Not reported
RBCA GW: Not reported
RPL: No
Reel Num: 3785
RPOP: No
Valid: No

IMD:

Region: WIL
Facility ID: 22894
Date Occurred: 10/29/1994
Submit Date: 2/13/2001
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: SOIL CONTAMINATION DISCOVERED DURING UST CLOSURE
Operator: Not reported
Contact Phone: Not reported
Owner Company: Not reported
Operator Address: Not reported
Operator City: Not reported
Oper City, St, Zip: Not reported
Ownership: Private
Operation: Industrial
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SOUTHERN BELL TELECOMMUNICATIO (Continued)

S105120025

Setting: Urban
 Risk Site: L
 Site Priority: Not reported
 Priority Code: Not reported
 Priority Update: 2/13/2001
 Dem Contact: DTM
 Wells Affected: No
 Num Affected: Not reported
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: 34.3547
 Longitude: -77.8974
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: NOD
 Agency: DWM
 Facility ID: 22894
 Last Modified: 6/7/2002
 Incident Phase: Closed Out
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 12/11/1995

**107
 SW
 > 1
 16575 ft.**

**CHEMICAL LEAMAN TANK LINES.IN
 65 HWY 421 & 120 COWPEN LDING RD
 WILMINGTON, NC 28401**

**UST U001200532
 N/A**

**Relative:
 Higher**

UST:
 Facility ID: 0-022579
 Region: 08
 Facility Telephone: (919) 762-1851
 Last Update: 07/12/90
 Owner Name: CHEMICAL LEAMAN TANK LINES. INC.
 Owner Address: 102 PICKERING WAY
 Owner City,St,Zip: EXTON, PA 19341
 Owner Phone: (215) 363-4235
 Tank ID: 1
 Tank capacity: 10000
 Comment: Not reported
 Date installed: 10/05/72
 Date removed: 07/11/95
Status: Permanent Closed
 Tank product: Diesel, Diesel Mixture
 Product Type: NON

**Actual:
 33 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEMICAL LEAMAN TANK LINES.IN (Continued)

U001200532

Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-022579
Region: 08
Facility Telephone: (919) 762-1851
Last Update: 07/12/90
Owner Name: CHEMICAL LEAMAN TANK LINES. INC.
Owner Address: 102 PICKERING WAY
Owner City,St,Zip: EXTON, PA 19341
Owner Phone: (215) 363-4235
Tank ID: 2
Tank capacity: 550
Comment: Not reported
Date installed: 10/05/72
Date removed: 12/16/88
Status: Permanent Closed
Tank product: Oil, New/Used/Mixture
Product Type: NON
Tank material: Steel

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CHEMICAL LEAMAN TANK LINES.IN (Continued)

U001200532

Interior Protection: None
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

**108
 East
 > 1
 16620 ft.**

**SHADY HAVEN MHP
 4307 PARMELE ROAD
 CASTLE HAYNE, NC 28429**

**FINDS 1007717431
 110018740479**

**Relative:
 Lower**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 19 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

109
ENE
> 1
16688 ft.

REASOR CHEMICAL COMPANY
NC 132
CASTLE HAYNE, NC 28429

CERCLIS 1000482186
FINDS NCD986187094
NPL
ROD
Proposed NPL
US ENG CONTROLS
US INST CONTROL

Relative:
Lower

Actual:
17 ft.

CERCLIS:
 Site ID: 0405590
 Federal Facility: Not a Federal Facility
 NPL Status: Currently on the Final NPL
 Non NPL Status: Not reported

CERCLIS Site Contact Name(s):

- Contact Name: Phil Vorsatz
 Contact Tel: (404) 562-8789
 Contact Title: Remedial Project Manager (RPM)

- Contact Name: JON BORNHOLM
 Contact Tel: (404) 562-8820
 Contact Title: Remedial Project Manager (RPM)

- Contact Name: Luis Flores
 Contact Tel: (404) 562-8807
 Contact Title: Remedial Project Manager (RPM)

- Contact Name: KEN MALLARY
 Contact Tel: (404) 562-8802
 Contact Title: Remedial Project Manager (RPM)

- Contact Name: MICHAEL TOWNSEND
 Contact Tel: (404) 562-8813
 Contact Title: Remedial Project Manager (RPM)

- Contact Name: SAMANTHA URQUHART F
 Contact Tel: (404) 562-8760
 Contact Title: Remedial Project Manager (RPM)

- Contact Name: KEN LUCAS
 Contact Tel: (404) 562-8953
 Contact Title: Remedial Project Manager (RPM)

- Contact Name: Jennifer Wendel
 Contact Tel: (404) 562-8799
 Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):

Alias Name: REASOR CHEMICAL COMPANY
 Alias Address: 5100 NORTH COLLEGE ROAD
 CASTLE HAYNE, NC 28429

Site Description: OPERATED AS A STUMP RENDERING OPERATION FROM 1959 TO 1972. PRODUCED TURLPINTINE, ETC. AND USED MANY TYPES OF SOLVENTS AND CHEMICALS. PRESENTLY THERE ARE 60 DRUMS ON SITE. SEDIMENT POND SAMPLES SHOWED CONTAMINATION. ALSO MONITORING WELL. The ReasorChemical Company Site is located at 5100 North College Road, 0.5 miles southeast of the intersection of North Carolina (NC) Route 132 and US Route 117 (NC Route 133) in Castle Hayne, New Hanover County, North Carolina. The lead agency for this site is EPA. EPA proposed the Site to

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

REASOR CHEMICAL COMPANY (Continued)

1000482186

the National Priorities List (NPL) on September 13, 2001. The site was finalized on the NPL on September 5, 2002. The site remediation is planned to be conducted using Superfund monies. The site, comprised of approximately 25 acres, is an abandoned stump rendering facility, which operated from 1959 to 1972. The facility produced turpentine, pine resin, pitch, tall oil, pine oil, camphor, pine tar, and charcoal from pine tree stumps. It is believed that the facility used various solvents to extract raw product from chipped stumps distilling the extract into separate product fractions. The solvents used in the extraction process were likely stored on site in 55-gallon drums, the remains of which are located in a surface drum disposal area near the center of the property. A fire and possible explosion occurred on the property on April 7, 1972, which damaged and destroyed the remaining buildings and material on the site property. The property is currently vacant, is overgrown with brush and secondary growth forest, and has unpaved roads running throughout the site. There are a few site features which are still distinguishable which include: three tank cradle areas, a boiler house, concrete slabs from the former rosin warehouse, laboratory, garage, still, process line, transformer area, train scale, and several other unidentified former buildings. Five ponds used in the manufacturing process, a scrap copper area, two railroad sidings, a surface drum disposal area, a sluice area, and several drainage ditches are also still present at the site. It is believed that the facility used various solvents to extract raw product from chipped stumps, distilling the extract into separate product fractions. The solvents used in the extraction process were likely stored on site in 55-gallon drums, the remains of which are located in a surface drum disposal area near the center of the property. It is thought that four of the ponds were used in the manufacturing process. These ponds contain sediments with elevated concentrations of volatile organic compounds (VOCs), semivolatle organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), and inorganic compounds. An area thought to have been used to scrap copper is also present, which has elevated concentrations of copper and lead. In 1989 a Preliminary Environmental/Liability Assessment was conducted. The assessment included surface soil, sediment, and groundwater sampling. NCDENR conducted a Preliminary Assessment (PA) in 1991 which included a site reconnaissance and a review of aerial photographs and previously collected data. During the site reconnaissance, all features identified in the Law report were identified except for the observation well. A potable well survey identified two wells located at the adjacent APAC asphalt plant. One well was no longer in use and the other well supplied drinking water to 18 workers at the facility. The PA concluded that soil, sediment and groundwater were contaminated with VOCs and SVOCs, and that the site contamination resulted from operations during the 1960s and 1970s. Potentially affected targets included neighboring water supply wells, wetlands in Prince George Creek, and a fishery located downstream of the site. During the Site Investigation (SI), a survey of groundwater use was conducted. No municipal water supply wells or distribution lines were located within 4 miles of the site. In the 4-mile radius of the site, approximately 2,608 people received groundwater through domestic individual wells, and approximately 4,238 people received groundwater through the 19 community wells. The nearest community well served approximately 50 people and was located at Shady Haven Mobile Home Park, which is 1,500 to 2,500-feet southwest of the site. The Prince George Estates community well served approximately 600 people and was located 3,000 feet southwest of the site. The SI concluded that pine tar and hardened resins at the Site might be sources for VOCs, SVOCs, and potentially toxaphene. NCDENR recommended that further action be conducted under CERCLA/SARA, specifically, an Expanded Site Inspection (ESI) with a low priority rating, based on the following: -No VOCs were detected in the closest water supply wells.-The only contaminants detected in Prince George Creek sediments that were attributable to the Site were

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

REASOR CHEMICAL COMPANY (Continued)

1000482186

acetone and toluene.-The impact of soil contamination and air emissions on the local population or environment would be minimal based on the limited target population and nature of the waste. Based on the information available, EPA decided to save time and money by skipping the ESI portion of the Superfund process. The Remedial Investigation (RI) began in August of 1996 and was completed in December 1999. The purpose of the RI was to characterize the extent of contamination and to assess potential contaminant migration pathways. The results confirmed contamination present in several areas of the site. In 1996, an initial Potentially Responsible Party (PRP) search was conducted. In 1996 and 1997, EPA sent 104(e) Information Request letters to several parties. In November 2001, a follow-up was conducted. While some of the PRPs identified appear no longer viable, EPA continues to investigate the viability of several PRPs. The site is currently vacant and is zoned for industrial use. There is evidence that it has been used for hunting purposes. There is a sign posted on a tree that states that the property is utilized by the Sheriff's department for training purposes (this has not been confirmed with the Sheriff's office, though). Correspondence from a nearby resident indicated that teens and adults utilize the property for recreational purposes such as riding 4-wheelers, motorcycles and possibly horses. Surrounding property use is both residential and industrial. Several people have contacted the RPM with an interest in purchasing the property for development. Because the adjacent properties are zoned both residential and industrial, it is possible that the property could be rezoned as residential. Because the site is vacant, there are currently no groundwater users at the site. A survey of groundwater use in the site vicinity indicated no municipal water supply wells or distribution lines within four miles of the site. Domestic and community wells supplied the entire population within four miles of the site. The closest community well is located in a mobile home park 1,500 to 2,500 feet southwest of the site (Shady Haven MHP). Another community well is located 3,000 feet southeast of the site in a housing subdivision (Prince George Estates). The closest domestic well is located 1,200 feet from the site. There are three production wells located on-site which were utilized as water supply for industrial purposes. These three wells tap into the Peedee and Castle Hayne aquifers and range in depth from 148 to 150 feet below ground surface. Because of the lack of municipal water supply lines, it is anticipated that future groundwater use for the site would include drinking water. The clean-up levels chosen for the site were based on residential, unrestricted use scenarios. After the soil/sediment and surface water portions of the remedy are completed (several months after they are initiated), the property would be available for residential, commercial or industrial uses with restrictions only on groundwater. The groundwater remedy may be completed in as little as a few years to as long as approximately 25 years (possibly longer). Until the groundwater remedy is complete, restrictions would be required to prevent the groundwater from being used on the property. A Record of Decision (ROD) addressing operable unit 1 (OU1) was completed in September 2002.

CERCLIS Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	09/21/1990
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	09/18/1991
Priority Level:	Low
Action:	SITE INSPECTION
Date Started:	01/27/1993

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

REASOR CHEMICAL COMPANY (Continued)

1000482186

Date Completed: 04/19/1995
Priority Level: Low

Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: Not reported
Date Completed: 12/13/2000
Priority Level: Not reported

Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 09/13/2001
Priority Level: Not reported

Action: ECOLOGICAL RISK ASSESSMENT
Date Started: 08/09/1996
Date Completed: 07/04/2002
Priority Level: Not reported

Action: INFORMATION REPOSITORY ESTABLISHED
Date Started: Not reported
Date Completed: 07/19/2002
Priority Level: Not reported

Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 08/09/1996
Date Completed: 08/14/2002
Priority Level: Not reported

Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 09/05/2002
Priority Level: Not reported

Action: RECORD OF DECISION
Date Started: Not reported
Date Completed: 09/26/2002
Priority Level: Final Remedy Selected at Site

Action: ADMINISTRATIVE RECORDS
Date Started: 07/19/2002
Date Completed: 10/17/2002
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 02/04/2003
Priority Level: Not reported

Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: 10/01/2002
Date Completed: 06/30/2003
Priority Level: Not reported

Action: REMEDIAL DESIGN
Date Started: 09/27/2002
Date Completed: 01/30/2004
Priority Level: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

REASOR CHEMICAL COMPANY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000482186

Action: Special Notice Issued
Date Started: Not reported
Date Completed: 08/24/2004
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 09/26/2006
Date Completed: Not reported
Priority Level: Not reported

Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 08/24/2004
Date Completed: 09/26/2006
Priority Level: Not reported

Action: SECTION 107 LITIGATION
Date Started: 09/09/2005
Date Completed: 12/08/2006
Priority Level: Not reported

Action: CONSENT DECREE
Date Started: 09/26/2006
Date Completed: 12/08/2006
Priority Level: Not reported

Action: FIVE-YEAR REVIEW
Date Started: Not reported
Date Completed: Not reported
Priority Level: Not reported

Action: FIVE YEAR REVIEW REPORT DUE
Date Started: Not reported
Date Completed: Not reported
Priority Level: Not reported

FINDS:

Other Pertinent Environmental Activity Identified at Site

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

NPL:

EPA ID: NCD986187094
EPA Region: 04
Federal: General
Final Date: 09/05/2002

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

REASOR CHEMICAL COMPANY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000482186

Category Details:

NPL Status: Currently on the Final NPL
Category Description: Surface Water Adjacent To Site-Other-Yes
Category Value: WETLAND

Site Details:

Site Name: REASOR CHEMICAL COMPANY
Site Status: Final
Status Date: 09/05/02
Site City: CASTLE HAYNE
Site State: NC
Federal Site: Not a Federal Facility
HRS Score: 32.14
GW Score: 0.00
SW Score: 64.27
Air Score: Not reported
Soil Score: Not reported
DC Score: Not reported
FE Score: Not reported

Substance Details:

NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: A005
Substance: ARSENIC AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: A038
Substance: NICKEL AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: A052
Substance: THALLIUM AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C049
Substance: ETHYLBENZENE
CAS #: 100-41-4
Pathway: NO PATHWAY INDICATED
Scoring: 1

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

REASOR CHEMICAL COMPANY (Continued)

1000482186

NPL Status: Currently on the Final NPL
Substance ID: C151
Substance: IRON AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: C178
Substance: COPPER AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C189
Substance: HEPTACHLORODIBENZO-P-DIOXIN
CAS #: 37871-00-4
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C190
Substance: HEPTACHLORODIBENZOFURAN
CAS #: 38998-75-3
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C207
Substance: OCTACHLORODIBENZO-P-DIOXIN
CAS #: 3268-87-9
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C247
Substance: ZINC AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C332
Substance: PHENANTHRENE
CAS #: 85-01-8
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C385
Substance: PYRENE
CAS #: 129-00-0
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

REASOR CHEMICAL COMPANY (Continued)

1000482186

Substance ID: C460
Substance: MERCURY
CAS #: 7439-97-6
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: D008
Substance: LEAD (PB)
CAS #: 7439-92-1
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U018
Substance: BENZ(A)ANTHRACENE
CAS #: 56-55-3
Pathway: SURFACE WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: U022
Substance: BENZO(A)PYRENE
CAS #: 50-32-8
Pathway: SURFACE WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: U050
Substance: CHRYSENE
CAS #: 218-01-9
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U052
Substance: CRESOLS
CAS #: 1319-77-3
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U120
Substance: BENZO(J,K)FLUORENE
CAS #: 206-44-0
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: U220
Substance: TOLUENE
CAS #: 108-88-3
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U239

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

REASOR CHEMICAL COMPANY (Continued)

1000482186

Substance: XYLENE
 CAS #: 1330-20-7
 Pathway: NO PATHWAY INDICATED
 Scoring: 1

NPL Status: Currently on the Final NPL
 Substance ID: Z019
 Substance: TETRACHLORODIBENZO-P-DIOXIN
 CAS #: 41903-57-5
 Pathway: NO PATHWAY INDICATED
 Scoring: 1

Summary Details:

Conditions at Proposal September 13, 2001): The Reasor Chemical Company site is an inactive pine stump rendering facility located at 5100 North College Road in Castle Hayne, New Hanover County, North Carolina. The facility is located approximately 1/2 mile south of Route NC 132 and US 117 and is approximately 25 acres in size. Although little information is available regarding specific site operations and hazardous substances used at the Reasor Chemical Company facility, elevated levels of metals, including lead and mercury, and organic compounds, including benzo(a)pyrene, toluene, and xylenes, have been detected in the waste lagoons and soils that comprise the source areas at the site. Dioxins also have been documented at elevated levels in the source areas. The site is being placed on the NPL because toluene and dioxins have been detected in wetlands adjacent to the facility. In addition, site-related hazardous substances detected in drainage ditches that receive runoff from the source areas pose a threat to downstream wetlands and commercial and recreational fisheries. Reasor Chemical Company produced turpentine, resin, pine oil, and related compounds from pine tree stumps at its facility from 1959 to 1972. By 1969, most operations at the facility had ceased, buildings were demolished, and equipment was removed. In April 1972, a fire destroyed additional structures. The property then was sold to Martin-Marietta Corporation (MMC) for limestone mining purposes. After MMC's permit application was denied, the property was sold to the current owner, Cameron Company, on August 5, 1986. The site currently is vacant and receives no routine maintenance. Features at the site include areas formerly housing an extraction unit, a refinery, distillation units, a scrap copper area where copper and plastic were burned, a pipe shop area, ten tank cradles, and a drum disposal area. The drums have since been removed. Other identified site features include five ponds and a sparsely vegetated sluice area. Four of the ponds (the waste lagoons) located near the former distillation and extraction areas drain via overland flow to a ditch that empties into wetlands located at the southern portion of the property. A gate restricts vehicle access to the site. From 1997 to 1999, EPA conducted a Remedial Investigation (RI) at the Reasor Chemical Company facility. More than 130 samples were collected from facility soils, ponds, and drainage ditches. Surface water and sediment samples also were collected from a wetland and Prince George Creek, downgradient of the facility. Hazardous substances detected in the source, process, and drainage areas during the RI include volatile organic solvents including ethylbenzene, toluene, and xylenes), metals including arsenic, copper, lead, mercury, nickel, iron, and zinc), semivolatile organic compounds including benzo(a)pyrene), and dioxins. Toluene was documented in a wetland sediment sample at 460 ug/kg. Iron was documented in surface water samples at levels up to 13,000 ug/L, which exceeds the Ambient Water Quality Criteria/Ambient Aquatic Life Advisory Concentration benchmark. Approximately 150 residences within 1/2 mile of the site are served either by private wells or one of two community wells. Low levels of solvents were

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

REASOR CHEMICAL COMPANY (Continued)

1000482186

detected in the shallow aquifer beneath the facility but have not been documented in the drinking water wells. Approximately 0.8 mile of wetland frontage has been impacted by the site, and site-related hazardous substances pose a threat to more than 70 miles of wetland frontage that border the surface water migration pathway downstream of the area of documented contamination. The surface water pathway includes commercial and recreational fisheries and a habitat known to be used by Federally designated endangered species. Status September 2002): EPA is considering various alternatives for this site. The description of the site release) is based on information available at the time the site was evaluated with the HRS. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices. For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at <http://www.atsdr.cdc.gov/toxfaq.html> or by telephone at 1-888-42-ATSDR or 1-888-422-8737.

Site Status Details:

NPL Status: Final
Proposed Date: 09/13/2001
Final Date: 09/05/2002
Deleted Date: Not reported

Narratives Details:

NPL Name: REASOR CHEMICAL COMPANY
City: CASTLE HAYNE
State: NC

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

US ENG CONTROLS:

EPA ID: NCD986187094
Site ID: 0405590
Name: REASOR CHEMICAL COMPANY
Address: NC 132
CASTLE HAYNE, NC 28429
EPA Region: 04
County: NEW HANOVER
Event Code: Not reported
Actual Date: Not reported

Action ID: 001
Action Name: PRP RA
Action Completion date: Not reported
Planned Complet. date: 9/30/2008
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Monitoring

Action ID: 001
Action Name: PRP RA

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

REASOR CHEMICAL COMPANY (Continued)

1000482186

Action Completion date: Not reported
Planned Complet. date: 9/30/2008
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Disposal

Action ID: 001
Action Name: PRP RA
Action Completion date: Not reported
Planned Complet. date: 9/30/2008
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Excavation

Action ID: 001
Action Name: PRP RA
Action Completion date: Not reported
Planned Complet. date: 9/30/2008
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Revegetation

Action ID: 001
Action Name: PRP RA
Action Completion date: Not reported
Planned Complet. date: 9/30/2008
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Disposal

Action ID: 001
Action Name: PRP RA
Action Completion date: Not reported
Planned Complet. date: 9/30/2008
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Excavation

Action ID: 001
Action Name: PRP RA
Action Completion date: Not reported
Planned Complet. date: 9/30/2008
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Revegetation

Action ID: 001
Action Name: PRP RA
Action Completion date: Not reported
Planned Complet. date: 9/30/2008
Operable Unit: 01
Contaminated Media : Surface Water
Engineering Control: Disposal

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/26/2002

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

REASOR CHEMICAL COMPANY (Continued)

1000482186

Planned Complet. date: 9/30/2002
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Disposal

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/26/2002
Planned Complet. date: 9/30/2002
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Excavation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/26/2002
Planned Complet. date: 9/30/2002
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Revegetation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/26/2002
Planned Complet. date: 9/30/2002
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Disposal

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/26/2002
Planned Complet. date: 9/30/2002
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Excavation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/26/2002
Planned Complet. date: 9/30/2002
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Revegetation

US INST CONTROL:

EPA ID: NCD986187094
Site ID: 0405590
Name: REASOR CHEMICAL COMPANY
Action Name: PRP RA
Address: NC 132
CASTLE HAYNE, NC 28429
EPA Region: 04
County: NEW HANOVER
Event Code: Not reported
Inst. Control: Consent Decree

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

REASOR CHEMICAL COMPANY (Continued)

1000482186

Actual Date: Not reported
 Planned Complet. Date: 9/30/2008
 Complet. Date: Not reported
 Operable Unit: 01
 Contaminated Media : Groundwater

EPA ID: NCD986187094
 Site ID: 0405590
 Name: REASOR CHEMICAL COMPANY
 Action Name: PRP RA
 Address: NC 132
 CASTLE HAYNE, NC 28429

EPA Region: 04
 County: NEW HANOVER
 Event Code: Not reported
 Inst. Control: Deed Notices
 Actual Date: Not reported
 Planned Complet. Date: 9/30/2008
 Complet. Date: Not reported
 Operable Unit: 01
 Contaminated Media : Groundwater

110
SE
> 1
16711 ft.

CHARLES BLYTHE EQUIPMENT
3415 BLUE CLAY ROAD
WRIGHTSBORO, NC

SWF/LF S105163745
HIST LF N/A

Relative:
Higher

LF:
 Facility Type: Compost
 permit_num: 6509
 Contact Name: CHARLES BLYTHE
 Contact Telephone: (919) 448-9181
 Facility Status: CLOSED

Actual:
37 ft.

HIST_LF:
 Facility Type: Compost
 permit_num: 6509
 Facility Fax: Not reported
 Contact Name: CHARLES BLYTHE
 Contact Title: PRESIDENT
 Contact Telephone: 919-448-9181
 Contact Address: 3415 BLUE CLAY ROAD
 Contact City,St,Zip: WRIGHTSBORO, NC 28585
 Lined: False
 Facility Id: P0696
 Facility Status: CLOSED
 Public/Private: PRIVATE
 Waste Mgmt Specialist: Ray Williams

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

U111
SSE
 > 1
 16741 ft.

WRIGHTSBORO ELEMENTARY SCHOOL
2716 CASTLE HAYNE RD
WILMINGTON, NC 28401

FINDS **1009694126**
110025877077

Site 1 of 6 in cluster U

Relative:
Higher

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
35 ft.

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

GNIS

U112
SSE
 > 1
 16791 ft.

WINDSAIL WATER SUPPLY WELL(SEE
2709 CASTLE HAYNE RD
WILMINGTON, NC

LUST **S102443516**
IMD **N/A**

Site 2 of 6 in cluster U

Relative:
Higher

LUST:
 Facility ID: Not reported
 Incident Number: 16656
 Lat/Long: 34.291054979 77.927215148
 UST Number: WI-1403
 Lat/Long Decimal: 34.291054979 77.927215148
 Testlat: Not reported
 Regional Officer Project Mgr: DTM
 Region: Wilmington
 Company: CONOCOPhillips
 Contact Person: Kim Alderman
 Telephone: 7132933305
 RP Address: 10150 Highland Manor Drive, Su
 RP City,St,Zip: Tampa, FL 33610
 RP County: Not reported
 Comm / Non-comm UST Site: COMMERCIAL
 Risk Classification: H
 Risk Class Based On Review: L
 Corrective Action Plan Type: Not reported
 Level Of Soil Cleanup Achieved: Not reported
 Tank Regulated Status: R
 Contamination Type: Groundwater/Both
 Source Type: Leak-underground
 Date Reported: 3/18/1995
 Product Type: PETROLEUM
 Date Occur: 3/18/1995
 NOV Issue Date: Not reported
 NORR Issue Date: Not reported
 Site Priority: 105A
 Phase Of LSA Req: Not reported
 Site Risk Reason: Not reported
 Land Use: Not reported
 Closure Request: Not reported
 # Of Supply Wells: 1
 Close Out: Not reported
 MTBE: Yes
 MTBE1: Yes
 Flag: No
 Flag1: No
 LUR Filed: Not reported
 Release Detection: 0
 GPS Confirmed: 3
 Cleanup: Not reported
 Current Status: File Located in House
 RBCA GW: Not reported
 PETOPT: Not reported
 RPL: No
 CD Num: 0
 Reel Num: 0

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WINDSAIL WATER SUPPLY WELL(SEE (Continued))

S102443516

RPOW:	Yes	RPOP:	No
Error Flag:	0		
Error Code:	Not reported	Valid:	Yes
Last Modified:	Not reported		
Incident Phase:	Response		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		
Comments:	SEE CONOCO FILE #33051-CASTLE HAYNE ROAD-WILM., NEW HANOVER COUNTY. Mobile Homepark well contaminated by conoco release. There was a suspicion that there may be buried tanks in the mobile home park but that turned out not to be true. Public water has now been supplied.		

IMD:

Region: WIL
 Facility ID: 16656
 Date Occurred: 3/18/1995
 Submit Date: 12/30/1996
 GW Contam: Yes, Groundwater Contamination has been detected
 Soil Contam: No
 Incident Desc: BENZENE HAS BEEN FOUND ABOVE 2L STANDARDS.
 Operator: Kim Alderman
 Contact Phone: 7132933305
 Owner Company: CONOCOPhillips
 Operator Address:10150 Highland Manor Drive, Su
 Operator City: Tampa
 Oper City,St,Zip: Tampa, FL 33610
 Ownership: Unknown
 Operation: Not reported
 Material: GASOLINE
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Leak-underground
 Type: Gasoline/diesel
 Location: 8
 Setting: Residential
 Risk Site: H
 Site Priority: 105A
 Priority Code: A
 Priority Update: Not reported
 Dem Contact: DTM
 Wells Affected: Yes
 Num Affected: 1
 Wells Contam: WINDSAIL MHP
 Sampled By: Dept. of Env. Management
 Samples Include: Groundwater Samples
 7.5 Min Quad: Not reported
 5 Min Quad: CC31A
 Latitude: 34.291054979
 Longitude: -77.92721514

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WINDSAIL WATER SUPPLY WELL(SEE (Continued))

S102443516

Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: 3
 Agency: DWM
 Facility ID: 16656
 Last Modified: Not reported
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighed: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

V113
 SSW
 > 1
 16815 ft.

**SOUTH ATLANTIC SERVICES INC
 US HWY 421 N
 WILMINGTON, NC 28401**

**RCRA-SQG 1000404681
 FINDS NCD057456873**

Site 1 of 10 in cluster V

**Relative:
 Lower**

RCRAInfo:
 Owner: SOUTH ATLANTIC SERVICES INC
 EPA ID: NCD057456873
 Contact: WILLIAM M ROWE
 (910) 763-3496

**Actual:
 11 ft.**

Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SOUTH ATLANTIC SERVICES INC (Continued)

1000404681

corrective action activities required under RCRA.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

V114
 SSW
 > 1
 16931 ft.

**NEW HANOVER COUNTY WASTEC
 3002 US HWY 421 NORTH
 WILMINGTON, NC**

**IMD S105201483
 N/A**

Site 2 of 10 in cluster V

**Relative:
 Lower**

IMD:

**Actual:
 11 ft.**

Region: WIL
 Facility ID: 86015
 Date Occurred: 2/14/2001
 Submit Date: 1/3/2002
 GW Contam: Groundwater Contamination status unknown
 Soil Contam: Not reported
 Incident Desc: Not reported
 Operator: HUBBARD, PLANT MGR., JOHN
 Contact Phone: (910)341-4340
 Owner Company: N. HANOVER COUNTY WASTEC
 Operator Address: 3002 US HWY 421 N.
 Operator City: WILMINGTON
 Oper City, St, Zip: WILMINGTON (910)341-434
 Ownership: Unknown
 Operation: Residential
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Dredge Spoil
 Type: Other inorganics
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: NOD
 Priority Update: Not reported
 Dem Contact: JAD
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Latitude Number: Not reported
 Longitude Number: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NEW HANOVER COUNTY WASTE (Continued)

S105201483

Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 86015
 Last Modified: 8/5/2003
 Incident Phase: Discovery
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Signed: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

V115
 SSW
 > 1
 16931 ft.

**3002 US HWY 421 NORTH
 3002 US HWY 421 NORTH
 WILMINGTON, NC 28401**

**ERNS 2001556796
 N/A**

Site 3 of 10 in cluster V

Relative:
 Lower

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
 11 ft.

V116
 SSW
 > 1
 16936 ft.

**NEW HANOVER WASTE-TO-ENERGY FACILITY
 3002 US 421 NORTH
 WILMINGTON, NC**

**SWF/LF 1004551085
 HIST LF N/A**

Site 4 of 10 in cluster V

Relative:
 Lower

LF:
 Facility Type: Incinerator
 permit_num: 6505-I
 Contact Name: PAUL MARLOW
 Contact Telephone: (910) 798-4402
 Facility Status: OPEN

Actual:
 11 ft.

HIST_LF:
 Facility Type: MSWLF
 permit_num: 6505-I
 Facility Fax: 910-341-4371
 Contact Name: RAY CHURCH
 Contact Title: Not reported
 Contact Telephone: 910-341-4340
 Contact Address: 3002 US HIGHWAY 421 NORTH
 Contact City,St,Zip: WILMINGTON, NC 28401
 Lined: False
 Facility Id: P0105
 Facility Status: OPEN
 Public/Private: PUBLIC
 Waste Mgmt Specialist: Ray Williams

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

117
 ESE
 > 1
 17005 ft.

NEW HANOVER REG JUVENILE CENTER
3830 JUVENILE CENTER ROAD
CASTLE HAYNE, NC 28429

FINDS 1007715106
 110018717129

Relative:
Higher

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
34 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

V118
 SSW
 > 1
 17045 ft.

CUMMINS ATLANTIC INC
HWY 421 N
WILMINGTON, NC 28402

UST U001200342
 N/A

Relative:
Lower

Site 5 of 10 in cluster V

Actual:
19 ft.

UST:
 Facility ID: 0-022214
 Region: 08
 Facility Telephone: (919) 763-8256
 Last Update: 03/17/92
 Owner Name: JAMES V. MOORE/WILLIAM MOORE
 Owner Address: HWY 421 N.
 Owner City,St,Zip: WILMINGTON, NC 28402
 Owner Phone: (704) 588-1240
 Tank ID: 1
 Tank capacity: 550
 Comment: Not reported
 Date installed: 04/05/72
 Date removed: 12/31/86
Status: Permanent Closed
 Tank product: Oil, New/Used/Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CUMMINS ATLANTIC INC (Continued)

U001200342

Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

V119
SSW
> 1
17045 ft.

HORTON IRON & METAL COMPANY
HWY 421 NORTH
WILMINGTON, NC

SWF/LF S103240432
HIST LF N/A
IMD

Site 6 of 10 in cluster V

Relative:
Lower

LF:
 Facility Type: Treatment and Processing Facility
 permit_num: 6507
 Contact Name: Not reported
 Contact Telephone: (910) 763-4569
 Facility Status: OPEN

Actual:
19 ft.

HIST_LF:
 Facility Type: Treatment and Processing Facility
 permit_num: 6507
 Facility Fax: 910-762-2815
 Contact Name: Not reported
 Contact Title: MANAGER
 Contact Telephone: 910-763-4569
 Contact Address: PO BOX 209
 Contact City,St,Zip: WILMINGTON, NC 28402
 Lined: False
 Facility Id: P0503
 Facility Status: OPEN
 Public/Private: PRIVATE
 Waste Mgmt Specialist: Ray Williams

IMD:
 Region: WIL
 Facility ID: 3883
 Date Occurred: 12/15/1988
 Submit Date: 7/31/2003
 GW Contam: No Groundwater Contamination detected
 Soil Contam: Not reported
 Incident Desc: CURRENT STATUS UNKNOWN, SEE FILE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HORTON IRON & METAL COMPANY (Continued)

S103240432

Operator: HORTON, RALPH
Contact Phone: 763-8268
Owner Company: HORTON IRON & METAL COMPANY
Operator Address: HWY 421 NORTH
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON 763-8268
Ownership: Federal
Operation: 8
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Spill-surface
Type: Other petroleum product
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 100
Priority Code: NOD
Priority Update: Not reported
Dem Contact: C STEHMAN
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.267222
Longitude: -77.956944
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 3883
Last Modified: 7/31/2003
Incident Phase: Follow Up
NOV Issued: 1/11/1989
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 6329
Date Occurred: 1/29/1991
Submit Date: 7/31/2003
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: WILL NOV FOR NOT PROVIDE CAP ADDEND

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HORTON IRON & METAL COMPANY (Continued)

S103240432

Operator: CHEM. PRODUCTS, TAKEDA
Contact Phone: Not reported
Owner Company: TAKEDA - STORMWATER BASIN INCIDENT
Operator Address: HWY 421 NORTH, WILMINGTON, 28402
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Pit, pond, lagoon
Type: Other organics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 140
Priority Code: NOD
Priority Update: Not reported
Dem Contact: BRP
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.333888
Longitude: -78.006388
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 6329
Last Modified: 7/31/2003
Incident Phase: RE
NOV Issued: 6/17/1993
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

V120 **ARCADIAN CORP.**
SSW **P.O. BOX 630**
> 1 **WILMINGTON,, NC 28402**
17143 ft.

UST **U003137684**
 N/A

Site 7 of 10 in cluster V

Relative:
Lower

UST:

Actual:
17 ft.

Facility ID: 0-022600
 Region: 08
 Facility Telephone: (919) 763-0171
 Last Update: 01/03/91
 Owner Name: ARCADIAN CORP.
 Owner Address: P.O. BOX 630
 Owner City,St,Zip: WILMINGTON,, NC 28402
 Owner Phone: (919) 763-0171
 Tank ID: 1
 Tank capacity: 1000
 Comment: Not reported
 Date installed: 08/04/63
 Date removed: 01/17/90
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: None
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ARCADIAN CORP. (Continued)

U003137684

Date Last Certified: //
Begin Certified Number: //
End Certified Number: //

Facility ID: 0-022600
Region: 08
Facility Telephone: (919) 763-0171
Last Update: 01/03/91
Owner Name: ARCADIAN CORP.
Owner Address: P.O. BOX 630
Owner City,St,Zip: WILMINGTON,, NC 28402
Owner Phone: (919) 763-0171
Tank ID: 2
Tank capacity: 6000
Comment: Not reported
Date installed: 08/04/63
Date removed: 01/17/90
Status: Permanent Closed
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: //
Corrosion Protection Piping Date: //
Spill Overfill Date: //
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: //
Tank Certified Number: Not reported
Date Last Certified: //

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ARCADIAN CORP. (Continued)

U003137684

Begin Certified Number: //
End Certified Number: //

Facility ID: 0-022600
Region: 08
Facility Telephone: (919) 763-0171
Last Update: 01/03/91
Owner Name: ARCADIAN CORP.
Owner Address: P.O. BOX 630
Owner City,St,Zip: WILMINGTON,, NC 28402
Owner Phone: (919) 763-0171
Tank ID: 3
Tank capacity: 1000
Comment: Not reported
Date installed: 08/04/63
Date removed: 01/17/90
Status: Permanent Closed
Tank product: Oil, New/Used/Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: //
Corrosion Protection Piping Date: //
Spill Overfill Date: //
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: //
Tank Certified Number: Not reported
Date Last Certified: //
Begin Certified Number: //

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ARCADIAN CORP. (Continued)

U003137684

End Certified Number: / /

Facility ID: 0-022600
Region: 08
Facility Telephone: (919) 763-0171
Last Update: 01/03/91
Owner Name: ARCADIAN CORP.
Owner Address: P.O. BOX 630
Owner City,St,Zip: WILMINGTON,, NC 28402
Owner Phone: (919) 763-0171
Tank ID: 4
Tank capacity: 1000
Comment: Not reported
Date installed: 04/04/76
Date removed: 01/17/90
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

V121
 SSW
 > 1
 17143 ft.

W.R. GRACE & CO.. AG. CHEMICA
P.O. BOX 1586 / HWY. 421 NORTH
WILMINGTON, NC 28402

UST **U003145501**
 N/A

Site 8 of 10 in cluster V

Relative:
Lower

UST:

Actual:
17 ft.

Facility ID: 0-020709
 Region: 08
 Facility Telephone: (919) 343-1019
 Last Update: 09/20/90
 Owner Name: WILMINGTON FERTILIZER COMPANY
 Owner Address: P O BOX 700
 Owner City,St,Zip: WILMINGTON, NC 28402
 Owner Phone: (901) 522-2138
 Tank ID: 1
 Tank capacity: 2000
 Comment: Not reported
 Date installed: 04/18/81
 Date removed: 12/19/88
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: None
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

W.R. GRACE & CO.. AG. CHEMICA (Continued)

U003145501

Date Last Certified: //
Begin Certified Number: //
End Certified Number: //

Facility ID: 0-020709
Region: 08
Facility Telephone: (919) 343-1019
Last Update: 09/20/90
Owner Name: WILMINGTON FERTILIZER COMPANY
Owner Address: P O BOX 700
Owner City,St,Zip: WILMINGTON, NC 28402
Owner Phone: (901) 522-2138
Tank ID: 2
Tank capacity: 2000
Comment: Not reported
Date installed: 04/18/81
Date removed: 12/19/88
Status: Permanent Closed
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: //
Corrosion Protection Piping Date: //
Spill Overfill Date: //
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: //
Tank Certified Number: Not reported
Date Last Certified: //

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

W.R. GRACE & CO.. AG. CHEMICA (Continued)

U003145501

Begin Certified Number: //
End Certified Number: //

Facility ID: 0-020709
Region: 08
Facility Telephone: (919) 343-1019
Last Update: 09/20/90
Owner Name: WILMINGTON FERTILIZER COMPANY
Owner Address: P O BOX 700
Owner City,St,Zip: WILMINGTON, NC 28402
Owner Phone: (901) 522-2138
Tank ID: 3
Tank capacity: 2000
Comment: Not reported
Date installed: 04/20/73
Date removed: 01/01/81
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: //
Corrosion Protection Piping Date: //
Spill Overfill Date: //
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: //
Tank Certified Number: Not reported
Date Last Certified: //
Begin Certified Number: //

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

W.R. GRACE & CO.. AG. CHEMICA (Continued)

U003145501

End Certified Number: / /

Facility ID: 0-020709
Region: 08
Facility Telephone: (919) 343-1019
Last Update: 09/20/90
Owner Name: WILMINGTON FERTILIZER COMPANY
Owner Address: P O BOX 700
Owner City,St,Zip: WILMINGTON, NC 28402
Owner Phone: (901) 522-2138
Tank ID: 4
Tank capacity: 7000
Comment: Not reported
Date installed: 04/22/64
Date removed: 01/08/79
Status: Permanent Closed
Tank product: Fuel Oil
Product Type: HEA
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

V122
 SSW
 > 1
 17173 ft.

**BRUCE'S DRIVE IN
 HIGHWAY 421 NORTH
 WILMINGTON, NC 28401**

**LUST U001201109
 UST N/A
 IMD**

Site 9 of 10 in cluster V

**Relative:
 Lower**

LUST:

**Actual:
 14 ft.**

Facility ID:	0-023492	UST Number:	WI-1525
Incident Number:	18091	Lat/Long Decimal:	34.2769 77.9608
Lat/Long:	34 16 36.84 77 57 38.88		
Testlat:	Not reported		
Regional Officer Project Mgr:	BAR		
Region:	Wilmington		
Company:	BRUCES GAS & DINER		
Contact Person:	MR. BRUCE GORE		
Telephone:	9107630388		
RP Address:	HWY 421 S.		
RP City,St,Zip:	WILMINGTON, NC 28401-		
RP County:	NEW HANOVER		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	L		
Risk Class Based On Review:	L		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Tank Regulated Status:	R		
Contamination Type:	Soil		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	11/18/1997	Date Occur:	7/17/1996
NOV Issue Date:	Not reported	NORR Issue Date:	11/21/1997
Site Priority:	50D	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	12/12/1997		
MTBE:	Not reported	MTBE1:	Unknown
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	7	Cleanup:	Not reported
Current Status:	File Located in Archives	RBCA GW:	Not reported
PETOPT:	Not reported	RPL:	No
CD Num:	42	Reel Num:	3785
RPOW:	No	RPOP:	No
Error Flag:	0	Valid:	No
Error Code:	Not reported		
Last Modified:	10/9/1998		
Incident Phase:	Closed Out		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	7/31/1998		
Comments:	Not reported		

UST:

Facility ID: 0-023492

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BRUCE'S DRIVE IN (Continued)

U001201109

Region: 08
 Facility Telephone: (919) 763-0388
 Last Update: 02/22/91
 Owner Name: DAVID B GORE
 Owner Address: 113 LAUREL DR.
 Owner City,St,Zip: WILMINGTON, NC 28401
 Owner Phone: (919) 763-0388
 Tank ID: 1
 Tank capacity: 4000
 Comment: Not reported
 Date installed: 05/05/76
 Date removed: 07/16/96
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

 Facility ID: 0-023492
 Region: 08

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BRUCE'S DRIVE IN (Continued)

U001201109

Facility Telephone: (919) 763-0388
Last Update: 02/22/91
Owner Name: DAVID B GORE
Owner Address: 113 LAUREL DR.
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (919) 763-0388
Tank ID: 2
Tank capacity: 8000
Comment: Not reported
Date installed: 05/05/76
Date removed: 07/16/96
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-023492
Region: 08
Facility Telephone: (919) 763-0388

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BRUCE'S DRIVE IN (Continued)

U001201109

Last Update: 02/22/91
Owner Name: DAVID B GORE
Owner Address: 113 LAUREL DR.
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (919) 763-0388
Tank ID: 3
Tank capacity: 8000
Comment: Not reported
Date installed: 05/05/76
Date removed: 07/16/96
Status: Permanent Closed
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

IMD:

Region: WIL
Facility ID: 18091
Date Occurred: 7/17/1996

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BRUCE'S DRIVE IN (Continued)

U001201109

Submit Date: 12/12/1997
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: PETRO CONTAM SOIL DISCOVERED, HOWEVER CONTAM LEVELS ARE BELOW
CALCULATED SSE LEVELS; DUR TO RANKING OF SITE, NO FURTHER ACTION WILL
BE REQUIRED
Operator: MR. BRUCE GORE
Contact Phone: 9107630388
Owner Company: BRUCES GAS & DINER
Operator Address: HWY 421 S.
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC 28401-
Ownership: Private
Operation: Commercial
Material: DIESEL FUEL
Qty Lost 1: Not reported
Qty Recovered 1: NONE
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Risk Site: L
Site Priority: 50D
Priority Code: L
Priority Update: 5/30/1998
Dem Contact: BAR
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.27666666
Longitude: -77.96055555
Latitude Number: 341636
Longitude Number: 775738
Latitude Decimal: 34.2766666666667
Longitude Decimal: 77.9605555555556
GPS: 7
Agency: DWM
Facility ID: 18091
Last Modified: 10/9/1998
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 7/31/1998

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

U123 **FORMER CONOCO STORE 33051**
SSE **2636 CASTLE HAYNE RD**
 > 1 **WILMINGTON, NC 28401**
 17182 ft.

NPDES **S108491995**
 N/A

Site 3 of 6 in cluster U

Relative:
Higher

NC NPDES:

Actual:
32 ft.

Permit Number: NCG510341
 Facility Address 2: Not reported
 Issue Date: 04-15-1996
 Region: Wilmington
 Owner Name: Conocophillips
 Permit Type: Groundwater Remediation Wastewater Discharge COC
 As-Built Flow (GPD): Not reported
 Domestic %: 0
 Industrial %: 100
 Stormwater %: 0

NPDES REQUEST:

Permit: NCG510341
 Organization Name: Conocophillips
 As Built Flow Qty GPD: Not reported
 Permitted Flow Qty GPD: Not reported
 Domestic PCT: 0
 Stormwater PCT: 0
 Industrial PCT: 100
 Admin Region Name: Wilmington
 Permit Type Desc: Groundwater Remediation Wastewater Discharge COC
 Permit Status Desc: Active
 Program Category: NPDES WW
 Project Type Desc: Renewal
 Is Major: Minor

U124 **WRIGHTSBORO FOOD MART**
SSE **2636 CASTLE HAYNE RD.**
 > 1 **WILMINGTON, NC 28401**
 17182 ft.

LUST **U001200822**
UST **N/A**
IMD

Site 4 of 6 in cluster U

Relative:
Higher

LUST:

Actual:
32 ft.

Facility ID: 0-023010
 Incident Number: 14178
 Lat/Long: 34.290826294 77.920775067
 Testlat: Not reported
 Regional Officer Project Mgr: DTM
 Region: Wilmington
 Company: CONOCOPhillips
 Contact Person: Kim Alderman
 Telephone: Not reported
 RP Address: 10150 Highland Manor Drive, Su
 RP City,St,Zip: Tampa, FL 33610
 RP County: Not reported
 Comm / Non-comm UST Site: COMMERCIAL
 Risk Classification: H
 Risk Class Based On Review: H
 Corrective Action Plan Type: ABP
 Level Of Soil Cleanup Achieved: Not reported
 Tank Regulated Status: R
 Contamination Type: Groundwater/Both

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WRIGHTSBORO FOOD MART (Continued)

U001200822

Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	6/28/1995	Date Occur:	6/8/1994
NOV Issue Date:	Not reported	NORR Issue Date:	6/16/1995
Site Priority:	470A	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Residential
Closure Request:	Not reported	# Of Supply Wells:	18
Close Out:	Not reported		
MTBE:	15	MTBE1:	Yes
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	Yes	Cleanup:	Not reported
Current Status:	File Located in House	RBCA GW:	Not reported
PETOPT:	3	RPL:	No
CD Num:	0	Reel Num:	0
RPOW:	Yes	RPOP:	No
Error Flag:	0	Valid:	Yes
Error Code:	Not reported		
Last Modified:	Not reported		
Incident Phase:	Response		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		
Comments:	Not reported		

UST:

Facility ID:	0-023010
Region:	08
Facility Telephone:	(910) 815-6201
Last Update:	09/20/05
Owner Name:	W.K. HOBBS. INC.
Owner Address:	1332 CASTLE HAYNE ROAD
Owner City,St,Zip:	WILMINGTON, NC 28401
Owner Phone:	(910) 762-9822
Tank ID:	1
Tank capacity:	10000
Comment:	Not reported
Date installed:	03/31/84
Date removed:	/ /
Status:	Currently In Use
Tank product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank material:	Fiberglass Reinforced Plastic
Interior Protection:	FRP
Exterior Protection:	FRP
Piping material:	FRP
Certify Type:	Not reported
Leak Detection Type:	Periodic tank tightness testing
Leak Detection Piping 1:	Automatic line leak detectors
Corrosn Protec Tank:	FRP tank/piping
Corrosn Protec Pipe:	FRP tank/piping

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WRIGHTSBORO FOOD MART (Continued)

U001200822

Spill and Overfill: Catchment basins
Financial Responsibility: SELF INSURED
Latitude: 34.29083
Latitude 1: 34 17 27.00
Longitude: 77.92074
Longitude 1: 77 55 14.68
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: I
Leak Detection Type 2: Inventory control
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2007038110
Date Last Certified: 03/13/07
Begin Certified Number: 01/04/07
End Certified Number: / /

Facility ID: 0-023010
Region: 08
Facility Telephone: (910) 815-6201
Last Update: 09/20/05
Owner Name: W.K. HOBBS. INC.
Owner Address: 1332 CASTLE HAYNE ROAD
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (910) 762-9822
Tank ID: 2
Tank capacity: 10000
Comment: Not reported
Date installed: 03/31/84
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Fiberglass Reinforced Plastic
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Periodic tank tightness testing
Leak Detection Piping 1: Automatic line leak detectors
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WRIGHTSBORO FOOD MART (Continued)

U001200822

Financial Responsibility: SELF INSURED
Latitude: 34.29083
Latitude 1: 34 17 27.00
Longitude: 77.92074
Longitude 1: 77 55 14.68
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: I
Leak Detection Type 2: Inventory control
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2007038110
Date Last Certified: 03/13/07
Begin Certified Number: 01/04/07
End Certified Number: / /

Facility ID: 0-023010
Region: 08
Facility Telephone: (910) 815-6201
Last Update: 09/20/05
Owner Name: W.K. HOBBS. INC.
Owner Address: 1332 CASTLE HAYNE ROAD
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (910) 762-9822
Tank ID: 3
Tank capacity: 10000
Comment: Not reported
Date installed: 03/31/84
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Fiberglass Reinforced Plastic
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Periodic tank tightness testing
Leak Detection Piping 1: Automatic line leak detectors
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF INSURED

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WRIGHTSBORO FOOD MART (Continued)

U001200822

Latitude: 34.29083
Latitude 1: 34 17 27.00
Longitude: 77.92074
Longitude 1: 77 55 14.68
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: I
Leak Detection Type 2: Inventory control
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2007038110
Date Last Certified: 03/13/07
Begin Certified Number: 01/04/07
End Certified Number: / /

Facility ID: 0-023010
Region: 08
Facility Telephone: (910) 815-6201
Last Update: 09/20/05
Owner Name: W.K. HOBBS. INC.
Owner Address: 1332 CASTLE HAYNE ROAD
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (910) 762-9822
Tank ID: 4
Tank capacity: 2000
Comment: Not reported
Date installed: 03/31/85
Date removed: 08/06/94
Status: Permanent Closed
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: SELF INSURED
Latitude: 34.29083

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WRIGHTSBORO FOOD MART (Continued)

U001200822

Latitude 1: 34 17 27.00
Longitude: 77.92074
Longitude 1: 77 55 14.68
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-023010
Region: 08
Facility Telephone: (910) 815-6201
Last Update: 09/20/05
Owner Name: W.K. HOBBS. INC.
Owner Address: 1332 CASTLE HAYNE ROAD
Owner City,St,Zip: WILMINGTON, NC 28401
Owner Phone: (910) 762-9822
Tank ID: 5
Tank capacity: 6000
Comment: Not reported
Date installed: 08/06/94
Date removed: / /
Status: Currently In Use
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Fiberglass Reinforced Plastic
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Periodic tank tightness testing
Leak Detection Piping 1: Automatic line leak detectors
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF INSURED
Latitude: 34.29083
Latitude 1: 34 17 27.00

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WRIGHTSBORO FOOD MART (Continued)

U001200822

Longitude: 77.92074
 Longitude 1: 77 55 14.68
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: A
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: I
 Leak Detection Type 2: Inventory control
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: B
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 2007038110
 Date Last Certified: 03/13/07
 Begin Certified Number: 01/04/07
 End Certified Number: / /

Facility ID: 0-023010
 Region: 08
 Facility Telephone: (910) 815-6201
 Last Update: 09/20/05
 Owner Name: W.K. HOBBS. INC.
 Owner Address: 1332 CASTLE HAYNE ROAD
 Owner City,St,Zip: WILMINGTON, NC 28401
 Owner Phone: (910) 762-9822
 Tank ID: 6
 Tank capacity: 4000
 Comment: Not reported
 Date installed: 08/06/94
 Date removed: / /

Status: Currently In Use
 Tank product: Kerosene, Kerosene Mixture
 Product Type: NON
 Tank material: Fiberglass Reinforced Plastic
 Interior Protection: FRP
 Exterior Protection: FRP
 Piping material: FRP
 Certify Type: Not reported
 Leak Detection Type: Periodic tank tightness testing
 Leak Detection Piping 1: Automatic line leak detectors
 Corrosn Protec Tank: FRP tank/piping
 Corrosn Protec Pipe: FRP tank/piping
 Spill and Overfill: Catchment basins
 Financial Responsibility: SELF INSURED
 Latitude: 34.29083
 Latitude 1: 34 17 27.00
 Longitude: 77.92074

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

WRIGHTSBORO FOOD MART (Continued)

U001200822

Longitude 1: 77 55 14.68
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: I
Leak Detection Type 2: Inventory control
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2007038110
Date Last Certified: 03/13/07
Begin Certified Number: 01/04/07
End Certified Number: / /

IMD:

Region: WIL
Facility ID: 14178
Date Occurred: 6/8/1994
Submit Date: 6/28/1995
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: DEM SAMPLED A NEARBY WELL AND FOUND IT TO BE CONTAMINATED. SITE ASSESSMENT CONFIRMED VIOLATIONS OF 2L.
Operator: Kim Alderman
Contact Phone: Not reported
Owner Company: CONOCOPhillips
Operator Address: 10150 Highland Manor Drive, Su
Operator City: Tampa
Oper City, St, Zip: Tampa, FL 33610
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: DIESEL
Qty Lost: Not reported
Qty Recovered: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Residential
Risk Site: H
Site Priority: 470A
Priority Code: H
Priority Update: 5/30/1998

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WRIGHTSBORO FOOD MART (Continued)

U001200822

Dem Contact: DTM
 Wells Affected: Yes
 Num Affected: 1
 Wells Contam: KING RESIDENCE
 Sampled By: Dept. of Env. Management
 Samples Include: Groundwater Samples
 7.5 Min Quad: Not reported
 5 Min Quad: CC31T
 Latitude: 34.290826294
 Longitude: -77.92077506
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: 1
 Agency: DWM
 Facility ID: 14178
 Last Modified: Not reported
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

U125
SSE
 > 1
 17182 ft.

CONOCO, INCORPORATED
2636 CASTLE HAYNE ROAD
WILMINGTON, NC 28401

FINDS 1007711615
110018682111

Site 5 of 6 in cluster U

Relative:
Higher

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
 32 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

U126
SSE
> 1
17182 ft.

CONOCO STORE #33051
2636 CASTLE HAYNE RD
WILMINGTON, NC

LUST TRUST

S105219066
N/A

Site 6 of 6 in cluster U

Relative:
Higher

LUST TRUST:

Actual:
32 ft.

Facility ID: 0-023010
 Site ID: 14178
 Site Note: Files are in file room in separate box. Only 5% eligible and must deduct from already paid before any reimbursement. LDI
 Site Eligible?: False
 Commercial Find: 100% Commercial
 Priority Rank: High
 Deductable Amount: 20000
 3rd Party Deductable Amt: 100000
 Sum 3rd Party Amt Applied: 0

[Click this hyperlink](#) while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

W127
SSW
> 1
17285 ft.

CAROLINA SPECIALIZED TRANSPORT
3301 HWY 421 N
WILMINGTON, NC 28401

RCRA-SQG
FINDS

1000448914
NCD986175966

Site 1 of 2 in cluster W

Relative:
Lower

RCRAInfo:

Actual:
14 ft.

Owner: CAROLINA SPECIALIZED TRANSPORT
 EPA ID: NCD986175966
 Contact: DAVID R MCINTYRE
 (910) 763-4531
 Classification: Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

V128 TRIPLE T PARTS & EQUIP. CO.IN
SSW HWY 421 NORTH
 > 1 WILMINGTON, NC 28402
 17328 ft.

UST U001635728
 N/A

Relative:
Lower

Site 10 of 10 in cluster V

Actual:
 17 ft.

UST:
 Facility ID: 0-022564
 Region: 08
 Facility Telephone: (919) 763-6281
 Last Update: 10/06/95
 Owner Name: TRIPLE T PARTS & EQUIP CO
 Owner Address: PO BOX 2064, HWY 421N
 Owner City,St,Zip: WILMINGTON, NC 28402
 Owner Phone: (910) 763-6281
 Tank ID: 1
 Tank capacity: 4000
 Comment: Not reported
 Date installed: 02/28/83
 Date removed: / /
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

TRIPLE T PARTS & EQUIP. CO.IN (Continued)

U001635728

Date Last Certified: // /
Begin Certified Number: // /
End Certified Number: // /

Facility ID: 0-022564
Region: 08
Facility Telephone: (919) 763-6281
Last Update: 10/06/95
Owner Name: TRIPLE T PARTS & EQUIP CO
Owner Address: PO BOX 2064, HWY 421N
Owner City,St,Zip: WILMINGTON, NC 28402
Owner Phone: (910) 763-6281
Tank ID: 2
Tank capacity: 1000
Comment: Not reported
Date installed: 02/28/83
Date removed: / /
Status: Permanent Closed
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: // /
Corrosion Protection Piping Date: // /
Spill Overfill Date: // /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: // /
Tank Certified Number: Not reported
Date Last Certified: // /

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	

TRIPLE T PARTS & EQUIP. CO.IN (Continued)

U001635728

Begin Certified Number: / /
 End Certified Number: / /

X129 SIMMONS HEIGHTS APARTMENTS
East 4100 PARMELE ROAD
> 1 CASTLE HAYNE, NC 28429
17385 ft.

FINDS 1007715131
110018717414

Site 1 of 3 in cluster X

Relative: FINDS:
Higher Other Pertinent Environmental Activity Identified at Site

Actual:
26 ft. NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

Y130 PEARSALL S LANDING
ENE 479 BLOSSOM FERRY ROAD
> 1 CASTLE HAYNE, NC 28429
17453 ft.

FINDS 1007693640
110018502173

Site 1 of 3 in cluster Y

Relative: FINDS:
Equal Other Pertinent Environmental Activity Identified at Site

Actual:
24 ft. NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

Y131 PEARSALL'S LANDING
ENE 479 BLOSSOM FERRY RD.
> 1 CASTLE HAYNE, NC 28429
17453 ft.

UST U001199504
N/A

Site 2 of 3 in cluster Y

Relative: UST:
Equal Facility ID: 0-020838
 Region: 08
Actual: Facility Telephone: (919) 675-2379
24 ft. Last Update: 05/01/96
 Owner Name: RIVERGUEST INC.
 Owner Address: P.O. BOX 628
 Owner City,St,Zip: CASTLE HAYNE, NC 28429

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PEARSALL'S LANDING (Continued)

U001199504

Owner Phone: (910) 675-3094
Tank ID: H-860803
Tank capacity: 1000
Comment: Not reported
Date installed: 08/29/85
Date removed: 12/18/96
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 1996087400
Date Last Certified: 07/16/96
Begin Certified Number: 01/07/96
End Certified Number: / /

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

Y132
 ENE
 > 1
 17458 ft.

RIVERQUEST/PEARSALL LANDING
479 BLOSSOMS FERRY
CASTLE HAYNE, NC 28429

LUST S103040467
N/A

Site 3 of 3 in cluster Y

Relative:
Equal

LUST:

Actual:
24 ft.

Facility ID:	0-020838	UST Number:	WI-1539
Incident Number:	18283	Lat/Long Decimal:	34.3631 77.8886
Lat/Long:	34 21 47.16 77 53 18.96	Testlat:	Not reported
Regional Officer Project Mgr:	BAR	Region:	Wilmington
Company:	RIVERQUEST	Contact Person:	MR. ROBERT J. PEARSALL
Telephone:	9106753094	RP Address:	479 BLOSSOMS FERRY RD.
RP City,St,Zip:	CASTLE HAYNE, NC 28429-	RP County:	Not reported
Comm / Non-comm UST Site:	COMMERCIAL	Risk Classification:	H
Risk Class Based On Review:	L	Corrective Action Plan Type:	Not reported
Level Of Soil Cleanup Achieved:	Residential	Tank Regulated Status:	R
Contamination Type:	Groundwater/Both	Product Type:	PETROLEUM
Source Type:	Leak-underground	Date Occur:	12/18/1996
Date Reported:	3/13/1997	NORR Issue Date:	2/23/1998
NOV Issue Date:	7/29/1998	Phase Of LSA Req:	Not reported
Site Priority:	100B	Land Use:	Residential
Site Risk Reason:	Not reported	# Of Supply Wells:	0
Closure Request:	Not reported	MTBE1:	Unknown
Close Out:	5/18/1999	Flag1:	No
MTBE:	Not reported	Release Detection:	0
Flag:	No	Cleanup:	Not reported
LUR Filed:	Not reported	RBCA GW:	Not reported
GPS Confirmed:	7	RPL:	No
Current Status:	File Located in Archives	Reel Num:	3911
PETOPT:	3	RPOP:	No
CD Num:	159	Valid:	No
RPOW:	No		
Error Flag:	0		
Error Code:	Not reported		
Last Modified:	6/9/1999		
Incident Phase:	Closed Out		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	5/18/1999		
Comments:	Not reported		

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

133 SSW > 1 17509 ft.	EZZELL TRUCKING-N HANOVER 235 SUTTON LAKE ROAD WILMINGTON, NC 28405	FINDS	1005540300 110006670281
---	--	--------------	--

Relative: FINDS:
Lower Other Pertinent Environmental Activity Identified at Site

Actual: NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

W134 SSW > 1 17535 ft.	ATLANTIC SCRAP AND PROCESSING 2830 US HWY 421 N WILMINGTON, NC 28401	FINDS	1008389622 110022553280
--	---	--------------	--

Relative: **Site 2 of 2 in cluster W**
Lower FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual: PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

135 SSE > 1 17566 ft.	LP IV C/O MIDWEST FIRST FINANC 140 LONG LEAF DRIVE WILMINGTON, NC	LUST LUST TRUST IMD	S105896172 N/A
---	--	--	---------------------------------

Relative: LUST:
Higher Facility ID: Not reported
Incident Number: 32059 UST Number: WI-2314
Actual: Lat/Long: 34 17 31.98 77 54 50.94 Lat/Long Decimal: 34.292222 77.914166
34 ft. Testlat: Not reported
Regional Officer Project Mgr: SAK
Region: Wilmington
Company: LP IV C/O MIDWEST FIRST FINANC
Contact Person: MR. AARON WHALEY
Telephone: 4023302274
RP Address: 11904 ARBOR STREET, SUITE 200
RP City,St,Zip: OMAHA, NB 68144-

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

LP IV C/O MIDWEST FIRST FINANC (Continued)

S105896172

RP County: Not reported
Comm / Non-comm UST Site: NON COMMERCIAL
Risk Classification: H
Risk Class Based On Review: H
Corrective Action Plan Type: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Non Regulated
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Date Reported: 3/6/2003
NOV Issue Date: Not reported
Site Priority: Not reported
Site Risk Reason: Not reported
Closure Request: Not reported
Close Out: Not reported
MTBE: No
Flag: No
LUR Filed: Not reported
GPS Confirmed: 7
Current Status: File Located in House
PETOPT: 4
CD Num: Not reported
RPOW: Yes
Error Flag: Not reported
Error Code: Not reported
Last Modified: Not reported
Incident Phase: Response
NOV Issued: Not reported
NORR Issued: 5/23/2003
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported
Comments: dh - Water well tested clean for method 3510 diesel range organics. Water sample collected from bore hole near tank-- 366ppm, also method 3510. Tank was filled with concrete and closed in place. NORR sent for LSA., send letter to resample 8/04, soil is <s/g - however the gw level is 1' - 2' bgs.

Product Type: PETROLEUM
Date Occur: 2/21/2003
NORR Issue Date: Not reported
Phase Of LSA Req: 1
Land Use: Residential
Of Supply Wells: 0
MTBE1: No
Flag1: Not reported
Release Detection: Not reported
Cleanup: Not reported
RBCA GW: Not reported
RPL: Yes
Reel Num: Not reported
RPOP: No
Valid: No

LUST TRUST:

Facility ID: Not reported
Site ID: 32059
Site Note: noncommercial \$5,000 deductible, and eligible for 90% cleanup costs that exceed 5K up to a million dollars.
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 5000
3rd Party Deductable Amt: 100000
Sum 3rd Party Amt Applied: 0

[Click this hyperlink](#) while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LP IV C/O MIDWEST FIRST FINANC (Continued)

S105896172

IMD:

Region: WIL
Facility ID: 32059
Date Occurred: 2/21/2003
Submit Date: 3/6/2003
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: Closure of a 270 gal. Heating oil tank. Hand augered down to get a groundwater sample adjacent to tank. TPH-3510 DRO-366 ppm.
Operator: MR. AARON WHALEY
Contact Phone: 4023302274
Owner Company: LP IV C/O MIDWEST FIRST FINANC
Operator Address: 11904 ARBOR STREET, SUITE 200
Operator City: OMAHA
Oper City, St, Zip: OMAHA, NB 68144-
Ownership: Private
Operation: Residential
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Not reported
Risk Site: H
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: SAK
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: y
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.29194444
Longitude: -77.91388888
Latitude Number: 341731
Longitude Number: 775450
Latitude Decimal: 34.2919444444444
Longitude Decimal: 77.9138888888889
GPS: 7
Agency: DWM
Facility ID: 32059
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: 5/23/2003
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

136
 NE
 > 1
 17576 ft.

RIVER S EDGE LOUNGE
6303 CASTLE HAYNE ROAD
CASTLE HAYNE, NC 28429

FINDS 1009653558
 110027393103

Relative:
Lower

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
 15 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

X137
 East
 > 1
 17602 ft.

ASHWORTH
4505 NORTH COLLEGE ROAD
CASTLE HAYNE, NC 28429

UST U003369504
 N/A

Relative:
Higher

Site 2 of 3 in cluster X

Actual:
 26 ft.

UST:
 Facility ID: 0-002529
 Region: 08
 Facility Telephone: (910) 675-3200
 Last Update: 10/09/02
 Owner Name: WILLIE ASHWORTH
 Owner Address: 4504 NORTH COLLEGE ROAD
 Owner City,St,Zip: CASTLE HAYNE, NC 28429
 Owner Phone: (910) 675-3200
 Tank ID: 001
 Tank capacity: 3500
 Comment: Not reported
 Date installed: 02/26/78
 Date removed: 07/15/90
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: Unknown
 Exterior Protection: Unknown
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: SELF/STATE
 Latitude: 34.33445
 Latitude 1: 34 20 04.01
 Longitude: 77.88960
 Longitude 1: 77 53 22.57
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: F
 Financial Responsibility Description: A

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ASHWORTH (Continued)

U003369504

Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Compartment Tank:	No
Main Tank:	No
Tank ID Number:	Not reported
Corrosion Protection Tank Date:	//
Corrosion Protection Piping Date:	//
Spill Overfill Date:	//
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Tank Last Used Date:	//
Tank Certified Number:	Not reported
Date Last Certified:	//
Begin Certified Number:	//
End Certified Number:	//
Facility ID:	0-002529
Region:	08
Facility Telephone:	(910) 675-3200
Last Update:	10/09/02
Owner Name:	WILLIE ASHWORTH
Owner Address:	4504 NORTH COLLEGE ROAD
Owner City,St,Zip:	CASTLE HAYNE, NC 28429
Owner Phone:	(910) 675-3200
Tank ID:	002
Tank capacity:	3500
Comment:	Not reported
Date installed:	02/26/78
Date removed:	07/15/90
Status:	Permanent Closed
Tank product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank material:	Steel
Interior Protection:	Unknown
Exterior Protection:	Unknown
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Financial Responsibility:	SELF/STATE
Latitude:	34.33445
Latitude 1:	34 20 04.01
Longitude:	77.88960
Longitude 1:	77 53 22.57
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	JLH
Financial Responsibility Code:	F
Financial Responsibility Description:	A
Surface Water:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ASHWORTH (Continued)

U003369504

Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Compartment Tank:	No
Main Tank:	No
Tank ID Number:	Not reported
Corrosion Protection Tank Date:	//
Corrosion Protection Piping Date:	//
Spill Overfill Date:	//
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Tank Last Used Date:	//
Tank Certified Number:	Not reported
Date Last Certified:	//
Begin Certified Number:	//
End Certified Number:	//
Facility ID:	0-002529
Region:	08
Facility Telephone:	(910) 675-3200
Last Update:	10/09/02
Owner Name:	WILLIE ASHWORTH
Owner Address:	4504 NORTH COLLEGE ROAD
Owner City,St,Zip:	CASTLE HAYNE, NC 28429
Owner Phone:	(910) 675-3200
Tank ID:	003
Tank capacity:	3500
Comment:	Not reported
Date installed:	02/26/78
Date removed:	07/15/90
Status:	Permanent Closed
Tank product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank material:	Steel
Interior Protection:	Unknown
Exterior Protection:	Unknown
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Financial Responsibility:	SELF/STATE
Latitude:	34.33445
Latitude 1:	34 20 04.01
Longitude:	77.88960
Longitude 1:	77 53 22.57
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	JLH
Financial Responsibility Code:	F
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ASHWORTH (Continued)

U003369504

Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-002529
Region: 08
Facility Telephone: (910) 675-3200
Last Update: 10/09/02
Owner Name: WILLIE ASHWORTH
Owner Address: 4504 NORTH COLLEGE ROAD
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (910) 675-3200
Tank ID: 1
Tank capacity: 6000
Comment: Not reported
Date installed: 07/15/90
Date removed: / /

Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Sacrificial annonde
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF/STATE
Latitude: 34.33445
Latitude 1: 34 20 04.01
Longitude: 77.88960
Longitude 1: 77 53 22.57
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: F
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ASHWORTH (Continued)

U003369504

Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 07/15/90
Corrosion Protection Piping Date: 07/15/90
Spill Overfill Date: 07/15/90
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 200606881O
Date Last Certified: 05/09/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-002529
Region: 08
Facility Telephone: (910) 675-3200
Last Update: 10/09/02
Owner Name: WILLIE ASHWORTH
Owner Address: 4504 NORTH COLLEGE ROAD
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (910) 675-3200
Tank ID: 2
Tank capacity: 6000
Comment: Not reported
Date installed: 07/15/90
Date removed: / /

Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Sacrificial anonde
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF/STATE
Latitude: 34.33445
Latitude 1: 34 20 04.01
Longitude: 77.88960
Longitude 1: 77 53 22.57
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: F
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ASHWORTH (Continued)

U003369504

Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 07/15/90
Corrosion Protection Piping Date: 07/15/90
Spill Overfill Date: 07/15/90
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2006068810
Date Last Certified: 05/09/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-002529
Region: 08
Facility Telephone: (910) 675-3200
Last Update: 10/09/02
Owner Name: WILLIE ASHWORTH
Owner Address: 4504 NORTH COLLEGE ROAD
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (910) 675-3200
Tank ID: 3
Tank capacity: 6000
Comment: Not reported
Date installed: 07/15/90
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Sacrificial annonde
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF/STATE
Latitude: 34.33445
Latitude 1: 34 20 04.01
Longitude: 77.88960
Longitude 1: 77 53 22.57
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: F
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ASHWORTH (Continued)

U003369504

Corrosion Piping: Not reported
 Overfill: B
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: 07/15/90
 Corrosion Protection Piping Date: 07/15/90
 Spill Overfill Date: 07/15/90
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 2006068810
 Date Last Certified: 05/09/06
 Begin Certified Number: 01/10/06
 End Certified Number: / /

Facility ID: 0-002529
 Region: 08
 Facility Telephone: (910) 675-3200
 Last Update: 10/09/02
 Owner Name: WILLIE ASHWORTH
 Owner Address: 4504 NORTH COLLEGE ROAD
 Owner City,St,Zip: CASTLE HAYNE, NC 28429
 Owner Phone: (910) 675-3200
 Tank ID: 4
 Tank capacity: 6000
 Comment: Not reported
 Date installed: 07/15/90
 Date removed: / /
Status: Currently In Use
 Tank product: Diesel, Diesel Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: Cathodic Protection
 Piping material: FRP
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Sacrificial anode
 Corrosn Protec Pipe: FRP tank/piping
 Spill and Overfill: Catchment basins
 Financial Responsibility: SELF/STATE
 Latitude: 34.33445
 Latitude 1: 34 20 04.01
 Longitude: 77.88960
 Longitude 1: 77 53 22.57
 GPS String Confirmed: Yes
 Initials of Individual Confirming GPS: JLH
 Financial Responsibility Code: F
 Financial Responsibility Description: A
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ASHWORTH (Continued)

U003369504

Overfill:	B
Compartment Tank:	No
Main Tank:	No
Tank ID Number:	Not reported
Corrosion Protection Tank Date:	07/15/90
Corrosion Protection Piping Date:	07/15/90
Spill Overfill Date:	07/15/90
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Tank Last Used Date:	/ /
Tank Certified Number:	2006068810
Date Last Certified:	05/09/06
Begin Certified Number:	01/10/06
End Certified Number:	/ /
Facility ID:	0-002529
Region:	08
Facility Telephone:	(910) 675-3200
Last Update:	10/09/02
Owner Name:	WILLIE ASHWORTH
Owner Address:	4504 NORTH COLLEGE ROAD
Owner City,St,Zip:	CASTLE HAYNE, NC 28429
Owner Phone:	(910) 675-3200
Tank ID:	5
Tank capacity:	3000
Comment:	Not reported
Date installed:	08/26/93
Date removed:	/ /
Status:	Currently In Use
Tank product:	Diesel, Diesel Mixture
Product Type:	NON
Tank material:	Steel
Interior Protection:	None
Exterior Protection:	Cathodic Protection
Piping material:	FRP
Certify Type:	Installer certified by tank and piping manufacturers
Leak Detection Type:	Periodic tank tightness testing
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Sacrificial anonde
Corrosn Protec Pipe:	FRP tank/piping
Spill and Overfill:	Catchment basins
Financial Responsibility:	SELF/STATE
Latitude:	34.33445
Latitude 1:	34 20 04.01
Longitude:	77.88960
Longitude 1:	77 53 22.57
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	JLH
Financial Responsibility Code:	F
Financial Responsibility Description:	A
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Groundwater monitoring
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	B

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ASHWORTH (Continued)

U003369504

Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 08/26/93
Corrosion Protection Piping Date: 08/26/93
Spill Overfill Date: 08/26/93
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2006068810
Date Last Certified: 05/09/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-002529
Region: 08
Facility Telephone: (910) 675-3200
Last Update: 10/09/02
Owner Name: WILLIE ASHWORTH
Owner Address: 4504 NORTH COLLEGE ROAD
Owner City,St,Zip: CASTLE HAYNE, NC 28429
Owner Phone: (910) 675-3200
Tank ID: 6
Tank capacity: 8000
Comment: Not reported
Date installed: 08/26/93
Date removed: / /
Status: Currently In Use
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Cathodic Protection
Piping material: FRP
Certify Type: Installer certified by tank and piping manufacturers
Leak Detection Type: Periodic tank tightness testing
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Sacrificial annonde
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF/STATE
Latitude: 34.33445
Latitude 1: 34 20 04.01
Longitude: 77.88960
Longitude 1: 77 53 22.57
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: F
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Groundwater monitoring
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ASHWORTH (Continued)

U003369504

Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: 08/26/93
 Corrosion Protection Piping Date: 08/26/93
 Spill Overfill Date: 08/26/93
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 200606881O
 Date Last Certified: 05/09/06
 Begin Certified Number: 01/10/06
 End Certified Number: / /

X138
East
> 1
17602 ft.

ASHCO CO INCORPORATED
4505 NORTH COLLEGE ROAD
CASTLE HAYNE, NC 28429

FINDS 1007702367
110018589598

Site 3 of 3 in cluster X

Relative:
Higher

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
26 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

Z139
NNE
> 1
17603 ft.

DEL LABORATORIES
1830 CARVER ROAD
ROCKY POINT, NC

IMD S104914011
N/A

Site 1 of 4 in cluster Z

Relative:
Lower

IMD:
 Region: WIL
 Facility ID: 85513
 Date Occurred: 8/12/1998
 Submit Date: 2/9/2001
 GW Contam: Groundwater Contamination status unknown
 Soil Contam: Not reported
 Incident Desc: GW WAS NEVER MONITORED.
 Operator: MAIER, JEFF
 Contact Phone: 516 844 2094
 Owner Company: DEL LABORATORIES
 Operator Address:565 BROAD HOLLOW ROAD
 Operator City: FARMINGTON
 Oper City,St,Zip: FARMINGTON, NE 516 844 2094
 Ownership: Federal
 Operation: 8
 Material: Not reported
 Qty Lost 1: Not reported

Actual:
19 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DEL LABORATORIES (Continued)

S104914011

Qty Recovered 1: Not reported
 Source: Dredge Spoil
 Type: Other inorganics
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: E
 Priority Update: Not reported
 Dem Contact: JAD
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 85513
 Last Modified: 6/6/2003
 Incident Phase: Closed Out
 NOV Issued: 9/1/1998
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

Z140
 NNE
 > 1
 17603 ft.

DEL LABORATORIES INCORPORATED
1830 CARVER DRIVE
ROCKY POINT, NC 28457

FINDS 1000430399
RCRA-LQG NCD981931256

Site 2 of 4 in cluster Z

Relative:
Lower

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
19 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DEL LABORATORIES INCORPORATED (Continued)

1000430399

Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo:

Owner: DEL LABORATORIES INC
 (516) 844-2020
 EPA ID: NCD981931256
 Contact: JEFF MAIER
 (516) 844-2094

Classification: Large Quantity Generator
 TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2005

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	1005858.00	D002	196042.00
D007	779.00	D008	2107.00
D011	779.00	D022	3075.00
D035	181875.00	F003	781417.00
F005	961.00		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

DEL LABORATORIES INCORPORATED (Continued)

1000430399

Violation Status: Violations exist

Regulation Violated: 40 CFR 265.35
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 05/25/2005
Actual Date Achieved Compliance: 09/23/2005
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/20/1991
Penalty Type: Not reported

Regulation Violated: 40 CFR 273.14(a) and 273.15(c)
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 05/25/2005
Actual Date Achieved Compliance: 09/23/2005
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/20/1991
Penalty Type: Not reported

Regulation Violated: 40 CFR 262.34 (b)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 05/25/2005
Actual Date Achieved Compliance: 10/23/2005
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/27/1989
Penalty Type: Not reported

Regulation Violated: 40 CFR 262.34(b)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 05/25/2005
Actual Date Achieved Compliance: 09/23/2005
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/20/1991
Penalty Type: Not reported

Regulation Violated: 40 CFR 273.14 and 40 CFR 273.1
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 05/25/2005
Actual Date Achieved Compliance: 10/23/2005
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/25/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 05/20/2004
Actual Date Achieved Compliance: 08/13/2004
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/13/2004
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 05/20/2004
Actual Date Achieved Compliance: 08/13/2004
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/13/2004
Penalty Type: Final Monetary Penalty

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DEL LABORATORIES INCORPORATED (Continued)

1000430399

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined:	05/20/2004
Actual Date Achieved Compliance:	08/13/2004
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	08/13/2004
Penalty Type:	Final Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	05/21/2003
Actual Date Achieved Compliance:	06/26/2003
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/22/2003
Penalty Type:	Not reported
Regulation Violated:	262.34
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	06/13/2002
Actual Date Achieved Compliance:	07/18/2002
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/14/2002
Penalty Type:	Not reported
Regulation Violated:	265.53(B) RULE .0110-12
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/25/1999
Actual Date Achieved Compliance:	04/15/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/25/1999
Penalty Type:	Not reported
Regulation Violated:	262.34(a)(1)(i) rule .0110-12
Area of Violation:	GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined:	03/25/1999
Actual Date Achieved Compliance:	04/15/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/25/1999
Penalty Type:	Not reported
Regulation Violated:	265.17
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	02/20/1991
Actual Date Achieved Compliance:	04/20/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/20/1991
Penalty Type:	Not reported
Regulation Violated:	262.34
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	02/20/1991
Actual Date Achieved Compliance:	04/20/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/20/1991
Penalty Type:	Not reported
Regulation Violated:	268.07

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DEL LABORATORIES INCORPORATED (Continued)

1000430399

Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	02/20/1991
Actual Date Achieved Compliance:	04/20/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/20/1991
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	08/10/1989
Actual Date Achieved Compliance:	01/09/1990
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/25/1989
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/27/1989
Actual Date Achieved Compliance:	04/13/1989
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/27/1989
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/16/1988
Actual Date Achieved Compliance:	01/26/1989
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/05/1988
Penalty Type:	Not reported

There are 16 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
A Significant Non-Complier (SNC)	GENERATOR-GENERAL REQUIREMENTS	20050923
	GENERATOR-GENERAL REQUIREMENTS	20050923
	GENERATOR-OTHER REQUIREMENTS	20050923
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20050923
	GENERATOR-GENERAL REQUIREMENTS	20050923
	GENERATOR-OTHER REQUIREMENTS	20050923
A Significant Non-Complier (SNC)	GENERATOR-RECORDKEEPING REQUIREMENTS	20040813
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20040813
	GENERATOR-GENERAL REQUIREMENTS	20040813
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	20040813
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20040813
	GENERATOR-GENERAL REQUIREMENTS	20040813
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20030626
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20020718
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	19990415
	GENERATOR-GENERAL REQUIREMENTS	19990415
Compliance Schedule Evaluation	GENERATOR-LAND BAN REQUIREMENTS	19910420
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19910420
	GENERATOR-GENERAL REQUIREMENTS	19910420
Compliance Evaluation Inspection	GENERATOR-LAND BAN REQUIREMENTS	19910420
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19910420
	GENERATOR-GENERAL REQUIREMENTS	19910420
Other Evaluation	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900109

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EPA ID Number

DEL LABORATORIES INCORPORATED (Continued) 1000430399

Compliance Assistance Activity	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19890413
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19890126

Z141 NNE > 1 17603 ft.	DEL LABORATORIES INC 1830 CARVER DR ROCKY POINT, NC 28457	TRIS 1007446119 28457DLLBS18
---	--	---

Site 3 of 4 in cluster Z

Relative:
Lower

Actual:
19 ft.

Z142 NNE > 1 17603 ft.	1830 CARVER DR. 1830 CARVER DR. ROCKY POINT, NC 28457	ERNS 98450570 N/A
---	--	--

Site 4 of 4 in cluster Z

Relative:
Lower

Actual:
19 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

143 NE > 1 17631 ft.	RIVERSIDE PARK 6710 OLD BRIDGE SITE ROAD WILMINGTON, NC 28402	FINDS 1007714116 110018707201
---	--	--

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
8 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

AA144 West > 1 17666 ft.	BASF CORPORATION 101 VITAMIN DRIVE WILMINGTON, NC 28401	ICIS 1009937990 N/A
---	--	--

Site 1 of 4 in cluster AA

Relative:
Equal

Actual:
24 ft.

ICIS:

EFA Enforcement Action ID:	04-1995-0391	
FRS ID:	110000350209	
Program ID:	FRS 110000350209	
Action Name:	TAKEDA CHEMICAL PRODUCTS USA, INC.	
Facility Name:	BASF CORPORATION	
Facility Address:	101 VITAMIN DRIVE	
	WILMINGTON, North Carolina 28401	
EFA Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty	
Facility County:	NEW HANOVER	

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BASF CORPORATION (Continued)

1009937990

EPA Region #: 4

Program ID: AIRS/AFS 3712900271
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: FRS 110000350209
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2834

Program ID: NC-FITS 14353
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: NEI 371293712900271
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: NEI NEI43569
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: NEI NTI43569
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: NET 371290271
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BASF CORPORATION (Continued)

1009937990

SIC Code: 2834

Program ID: NC-FITS 14353
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: NEI 371293712900271
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: NEI NEI43569
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: NEI NTI43569
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: NET 371290271
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: NTI NTI43569
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Program ID: PCS NC0059234
Facility Name: BASF CORPORATION
Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 2834

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BASF CORPORATION (Continued)

1009937990

Program ID: RCRAINFO NCD127257673
 Facility Name: BASF CORPORATION
 Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
 Tribal Indicator: Not reported
 Fed Facility: Not reported
 NAIC Code: Not reported
 SIC Code: 2834

Program ID: TRIS 28401TKDCH1TAKE
 Facility Name: BASF CORPORATION
 Address: 101 VITAMIN DRIVE WILMINGTON NC 28401
 Tribal Indicator: Not reported
 Fed Facility: Not reported
 NAIC Code: Not reported
 SIC Code: 2834

AA145
West
> 1
17666 ft.

BASF CORPORATION
101 VITAMIN DRIVE
WILMINGTON, NC 28401

RCRA-SQG 1000201295
FINDS NCD127257673

Site 2 of 4 in cluster AA

Relative:
Equal

RCRAInfo:
 Owner: BASF CORP
 (973) 426-2600
 EPA ID: NCD127257673
 Contact: Not reported

Actual:
24 ft.

Classification: Conditionally Exempt Small Quantity Generator
 TSD Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 03/01/2004
 Actual Date Achieved Compliance: 04/15/2004

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 03/01/2004
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Date Violation Determined: 02/06/2002
 Actual Date Achieved Compliance: 03/13/2002

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 02/06/2002
 Penalty Type: Not reported

Regulation Violated: 40 CFR 262.34(A)
 Area of Violation: GENERATOR-GENERAL REQUIREMENTS
 Date Violation Determined: 03/24/1997
 Actual Date Achieved Compliance: 02/27/1998

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
 Enforcement Action Date: 02/27/1998
 Penalty Type: Final Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BASF CORPORATION (Continued)

1000201295

Enforcement Action Date:	09/29/1997
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/16/1990
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/06/1990
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/26/1990
Penalty Type:	Final Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	09/26/1994
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	08/30/1995
Penalty Type:	Final Monetary Penalty
Regulation Violated:	268.50(C)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/24/1997
Actual Date Achieved Compliance:	02/27/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	02/27/1998
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	09/29/1997
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/06/1990
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/26/1990
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	09/26/1994
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	08/30/1995
Penalty Type:	Proposed Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	TSD-CONTINGENCY PLAN REQUIREMENTS
Date Violation Determined:	01/28/1994
Actual Date Achieved Compliance:	08/30/1995
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	10/02/1992
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	01/05/1993
Penalty Type:	Proposed Monetary Penalty

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BASF CORPORATION (Continued)

1000201295

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/19/1993
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/26/1994
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/30/1995
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-GENERAL STANDARDS
Date Violation Determined: 01/28/1994
Actual Date Achieved Compliance: 08/30/1995

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/27/1998
Penalty Type: Final Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/29/1997
Penalty Type: Final Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/16/1990
Penalty Type: Final Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/06/1990
Penalty Type: Final Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/26/1990
Penalty Type: Final Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/26/1994
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/30/1995
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 01/28/1994
Actual Date Achieved Compliance: 08/30/1995

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/02/1992
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 01/05/1993
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/19/1993
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/26/1994
Penalty Type: Proposed Monetary Penalty

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

BASF CORPORATION (Continued)

1000201295

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/30/1995
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-PREPAREDNESS/PREVENTION REQUIREMENTS
Date Violation Determined: 01/28/1994
Actual Date Achieved Compliance: 08/30/1995

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/27/1998
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/29/1997
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/06/1990
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/26/1990
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/26/1994
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/30/1995
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined: 01/28/1994
Actual Date Achieved Compliance: 08/30/1995

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/02/1992
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 01/05/1993
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/19/1993
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/26/1994
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/30/1995
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-PART B APPLICATION
Date Violation Determined: 01/28/1994
Actual Date Achieved Compliance: 08/30/1995

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/02/1992

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BASF CORPORATION (Continued)

1000201295

Penalty Type: Proposed Monetary Penalty
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 01/05/1993
Penalty Type: Proposed Monetary Penalty
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/19/1993
Penalty Type: Proposed Monetary Penalty
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/26/1994
Penalty Type: Proposed Monetary Penalty
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/30/1995
Penalty Type: Proposed Monetary Penalty
Regulation Violated: 265.171
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 05/19/1992
Actual Date Achieved Compliance: 01/19/1993
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/02/1992
Penalty Type: Proposed Monetary Penalty
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 01/05/1993
Penalty Type: Proposed Monetary Penalty
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/19/1993
Penalty Type: Proposed Monetary Penalty
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/26/1994
Penalty Type: Proposed Monetary Penalty
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/30/1995
Penalty Type: Proposed Monetary Penalty
Regulation Violated: 265.52(f)-265.16(c)
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 05/19/1992
Actual Date Achieved Compliance: 01/19/1993
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/02/1992
Penalty Type: Proposed Monetary Penalty
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 01/05/1993
Penalty Type: Proposed Monetary Penalty
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/19/1993
Penalty Type: Proposed Monetary Penalty
Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/26/1994
Penalty Type: Proposed Monetary Penalty
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BASF CORPORATION (Continued)

1000201295

Enforcement Action Date: 08/30/1995
Penalty Type: Proposed Monetary Penalty

Regulation Violated: 268.7(a)(I)(ii)
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 05/19/1992
Actual Date Achieved Compliance: 01/19/1993

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/02/1992
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 01/05/1993
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/19/1993
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/26/1994
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/30/1995
Penalty Type: Proposed Monetary Penalty

Regulation Violated: 262.34(a)(4)-265.53(b)
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 05/19/1992
Actual Date Achieved Compliance: 01/19/1993

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 10/02/1992
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 01/05/1993
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/19/1993
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/26/1994
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 08/30/1995
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/26/1990
Actual Date Achieved Compliance: 03/12/1991

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/27/1998
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/29/1997
Penalty Type: Proposed Monetary Penalty

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BASF CORPORATION (Continued)

1000201295

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/06/1990
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/26/1990
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	09/26/1994
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	08/30/1995
Penalty Type:	Proposed Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/26/1990
Actual Date Achieved Compliance:	01/09/1991
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	02/27/1998
Penalty Type:	Final Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	09/29/1997
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/16/1990
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/06/1990
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	09/26/1990
Penalty Type:	Final Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	09/26/1994
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	08/30/1995
Penalty Type:	Final Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
-----	-----	-----	-----
Final Monetary Penalty	2/27/1998	99500	EPA
Proposed Monetary Penalty	9/29/1997	11940000	EPA
Final Monetary Penalty	8/30/1995	99000	EPA OVERSIGHT
Proposed Monetary Penalty	9/26/1994	128850	EPA OVERSIGHT
Final Monetary Penalty	10/2/1992	6850	STATE
Proposed Monetary Penalty	10/2/1992	16600	STATE

There are 16 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
-----	-----	-----
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	20040415

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site	Database(s)	EDR ID Number EPA ID Number
BASF CORPORATION (Continued)		1000201295
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20020313
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19980227
	GENERATOR-GENERAL REQUIREMENTS	19980227
Compliance Evaluation Inspection	TSD-PREPAREDNESS/PREVENTION REQUIREMENTS	19950830
	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19950830
	TSD-GENERAL STANDARDS	19950830
	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19950830
	TSD-PART B APPLICATION	19950830
	TSD-CONTINGENCY PLAN REQUIREMENTS	19950830
Compliance Schedule Evaluation	GENERATOR-LAND BAN REQUIREMENTS	19930119
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19930119
	GENERATOR-OTHER REQUIREMENTS	19930119
	GENERATOR-OTHER REQUIREMENTS	19930119
Compliance Evaluation Inspection	GENERATOR-LAND BAN REQUIREMENTS	19930119
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19930119
	GENERATOR-OTHER REQUIREMENTS	19930119
	GENERATOR-OTHER REQUIREMENTS	19930119
Compliance Evaluation Inspection	TSD-PREPAREDNESS/PREVENTION REQUIREMENTS	19950830
	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19950830
	TSD-GENERAL STANDARDS	19950830
	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19950830
	TSD-PART B APPLICATION	19950830
	TSD-CONTINGENCY PLAN REQUIREMENTS	19950830
Compliance Schedule Evaluation	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910312
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910109
Compliance Schedule Evaluation	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910312
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910109
Compliance Schedule Evaluation	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910312
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910109
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910312
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910109
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910312
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910109
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910312
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910109

FINDS:

Other Pertinent Environmental Activity Identified at Site

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BASF CORPORATION (Continued)

1000201295

AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

AA146 101 VIATAMIN DR
West 101 VIATAMIN DR
> 1 WILMINGTON, NC 0
17668 ft.
Site 3 of 4 in cluster AA
Relative:
Equal
Actual:
24 ft.

ERNS 2002606810
N/A

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			EDR ID Number
Elevation	Site	Database(s)	EPA ID Number

AA147 West > 1 17668 ft.	101 TAKEDA DRIVE 101 TAKEDA DRIVE WILMINGTON, NC 28401 Site 4 of 4 in cluster AA	ERNS	99643272 N/A
Relative: Equal			
Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.			
Actual: 24 ft.			

AB148 SW > 1 17707 ft.	CHEMICAL LEAMAN TANK LINES INC 120 COWPEN LANDING RD WILMINGTON, NC 28401 Site 1 of 2 in cluster AB	RCRA-SQG FINDS CERC-NFRAP	1000299227 NCD062677273
Relative: Higher			
Actual: 28 ft.			
RCRAInfo:			
Owner: CHEMICAL PROPERTIES INC (610) 363-4200			
EPA ID: NCD062677273			
Contact: MEG HARKINGS (610) 363-4229			
Classification: Small Quantity Generator TSDF Activities: Not reported			
Violation Status: Violations exist			
Regulation Violated: 262.34 Area of Violation: GENERATOR-GENERAL REQUIREMENTS Date Violation Determined: 06/18/1991 Actual Date Achieved Compliance: 08/21/1991			
Enforcement Action: WRITTEN INFORMAL Enforcement Action Date: 06/18/1991 Penalty Type: Not reported			
Regulation Violated: Not reported Area of Violation: GENERATOR-LAND BAN REQUIREMENTS Date Violation Determined: 06/21/1989 Actual Date Achieved Compliance: 08/08/1989			
Enforcement Action: WRITTEN INFORMAL Enforcement Action Date: 08/08/1989 Penalty Type: Not reported			
Regulation Violated: Not reported Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT) Date Violation Determined: 09/08/1988 Actual Date Achieved Compliance: 01/19/1989			
Enforcement Action: WRITTEN INFORMAL Enforcement Action Date: 10/19/1988 Penalty Type: Not reported			
Regulation Violated: Not reported Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT) Date Violation Determined: 05/16/1986 Actual Date Achieved Compliance: 06/03/1986			
Enforcement Action: WRITTEN INFORMAL Enforcement Action Date: 05/16/1986 Penalty Type: Not reported			
Regulation Violated: Not reported Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)			

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CHEMICAL LEAMAN TANK LINES INC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000299227

Date Violation Determined:	03/22/1985
Actual Date Achieved Compliance:	05/15/1985
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/22/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/07/1984
Actual Date Achieved Compliance:	10/03/1984
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/03/1984
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	01/30/1984
Actual Date Achieved Compliance:	04/24/1984
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/24/1984
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/17/1983
Actual Date Achieved Compliance:	10/03/1984
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/30/1983
Actual Date Achieved Compliance:	10/03/1984

There are 9 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Schedule Evaluation	GENERATOR-GENERAL REQUIREMENTS	19910821
Compliance Evaluation Inspection	GENERATOR-LAND BAN REQUIREMENTS	19890808
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19890119
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19860603
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850515
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19841003
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19840424
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19841003
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19841003

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEMICAL LEAMAN TANK LINES INC (Continued)

1000299227

CERC-NFRAP:

Site ID: 0402843
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):

Contact Name: Phil Vorsatz
Contact Tel: (404) 562-8789
Contact Title: Remedial Project Manager (RPM)

Contact Name: JON BORNHOLM
Contact Tel: (404) 562-8820
Contact Title: Remedial Project Manager (RPM)

Contact Name: Luis Flores
Contact Tel: (404) 562-8807
Contact Title: Remedial Project Manager (RPM)

Contact Name: KEN MALLARY
Contact Tel: (404) 562-8802
Contact Title: Remedial Project Manager (RPM)

Contact Name: MICHAEL TOWNSEND
Contact Tel: (404) 562-8813
Contact Title: Remedial Project Manager (RPM)

Contact Name: SAMANTHA URQUHART F
Contact Tel: (404) 562-8760
Contact Title: Remedial Project Manager (RPM)

Contact Name: KEN LUCAS
Contact Tel: (404) 562-8953
Contact Title: Remedial Project Manager (RPM)

Contact Name: Jennifer Wendel
Contact Tel: (404) 562-8799
Contact Title: Site Assessment Manager (SAM)

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: CHEMICAL LEAMAN TANK LINES INC
Alias Address: Not reported
NEW HANOVER, NC

Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 07/01/1980
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 09/11/1985
Priority Level: Low

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CHEMICAL LEAMAN TANK LINES INC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000299227

Action: SITE INSPECTION
 Date Started: Not reported
 Date Completed: 04/17/1989
 Priority Level: NFRAP (No Further Remedial Action Planned)

Action: ARCHIVE SITE
 Date Started: Not reported
 Date Completed: 11/03/1994
 Priority Level: Not reported

149
 ESE
 > 1
 17827 ft.

BLUE CLAY ROAD LANDFILL
4129 BLUE CLAY ROAD
WILMINGTON, NC

SWF/LF S105163712
HIST LF N/A

Relative:
Higher

Actual:
29 ft.

LF:
 Facility Type: Municipal Solid Waste or Industrial Waste
 permit_num: 6503
 Contact Name: Not reported
 Contact Telephone: (910) 341-7165
 Facility Status: CLOSED

HIST_LF:
 Facility Type: MSWLF
 permit_num: 6503
 Facility Fax: Not reported
 Contact Name: Not reported
 Contact Title: Not reported
 Contact Telephone: 910-341-7165
 Contact Address: Not reported
 Contact City,St,Zip: Not reported
 Lined: False
 Facility Id: P0614
 Facility Status: CLOSED
 Public/Private: PUBLIC
 Waste Mgmt Specialist: Ray Williams

AB150
 SW
 > 1
 18039 ft.

CHEMICAL LEAMAN
120 COWPEN LANDING
WILMINGTON, NC

SHWS S107812439
LUST N/A
IMD
VCP

Site 2 of 2 in cluster AB

Relative:
Lower

SHWS:
 Facility ID: NCD043711977
 Facility Status: In Hazardous Sites Inventory

Actual:
20 ft.

LUST:
 Facility ID: 0-022579
 Incident Number: 15370
 Lat/Long: 341740 775849
 Testlat: Not reported
 Regional Officer Project Mgr: SAK
 Region: Wilmington
 Company: CHEMICAL LEAMAN ATANK LINES
 UST Number: WI-1319
 Lat/Long Decimal: 0 0

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

CHEMICAL LEAMAN (Continued)

S107812439

Contact Person: MS. RENEE SIGMAN
Telephone: 9107624556
RP Address: 120 COWPEN LANDING RD.
RP City,St,Zip: WILMINGTON, NC 28401-
RP County: Not reported
Comm / Non-comm UST Site: COMMERCIAL
Risk Classification: H
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
Level Of Soil Cleanup Achieved:Not reported
Tank Regulated Status: R
Contamination Type: Soil
Source Type: Leak-underground
Date Reported: 12/8/1995
NOV Issue Date: Not reported
Site Priority: 80B
Site Risk Reason: Not reported
Closure Request: Not reported
Close Out: 8/3/2001
MTBE: Not reported
Flag: No
LUR Filed: Not reported
GPS Confirmed: Not reported
Current Status: File Located in Archives
PETOPT: 3
CD Num: 160
RPOW: No
Error Flag: 0
Error Code: Not reported
Last Modified: 9/11/2001
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 8/3/2001
Comments: TO DR TO PIRF 1/09, THEN NFA, WAS UNASSIGNED

Product Type: PETROLEUM
Date Occur: 11/8/1995
NORR Issue Date: Not reported
Phase Of LSA Req:Not reported
Land Use: Not reported
Of Supply Wells: 0
MTBE1: Unknown
Flag1: No
Release Detection: 0
Cleanup: Not reported
RBCA GW: Not reported
RPL: No
Reel Num: 3911
RPOP: No
Valid: No

IMD:

Region: WIL
Facility ID: 15370
Date Occurred: 11/8/1995
Submit Date: 5/2/1996
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: MINOR SOI CONTAMINATION CONFIRMED FROM UST LEAK DISCOVERED DURING TANK REMOVAL.
Operator: MS. RENEE SIGMAN
Contact Phone: 9107624556
Owner Company: CHEMICAL LEAMAN ATANK LINES
Operator Address:120 COWPEN LANDING RD.
Operator City: WILMINGTON

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEMICAL LEAMAN (Continued)

S107812439

Oper City,St,Zip: WILMINGTON, NC 28401-
Ownership: Private
Operation: Industrial
Material: DIESEL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: #2 FUEL OIL
Qty Lost: Not reported
Qty Recovered: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Risk Site: H
Site Priority: 80B
Priority Code: B
Priority Update: 5/30/1998
Dem Contact: SAK
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.29444444
Longitude: -77.98027777
Latitude Number: 341740
Longitude Number: 775849
Latitude Decimal: 34.2944444444444
Longitude Decimal: 77.9802777777778
GPS: NOD
Agency: DWM
Facility ID: 15370
Last Modified: 9/11/2001
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 8/3/2001

VCP:

Date Received:	2005-02-24 00:00:00	Date Closed:	2006-04-06 00:00:00
Consultant:	3-D Env.	Brownfields:	Not reported
Inst Controls:	Not reported	Project Manager:	Lyon
Issues:	Hc & metals	Consent Order:	Not reported
Lat/Long:	34,59,35.22 N / 97,54,19.43 W	Media:	soil
Facility Status:	No response requested		
Memorandum Of Agreement and Consent Order:	Not reported		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

151
West
> 1
18192 ft.

1 TAKEDA DR
1 TAKEDA DR
WILMINGTON, NC 28402

ERNS **93331987**
N/A

Relative: [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.
Equal

Actual:
24 ft.

152
SSE
> 1
18307 ft.

APPLIED ANALYTICAL INDUSTRIES
3924 N KERR AVE
WILMINGTON, NC 28405

RCRA-SQG **1000284715**
FINDS **NCD981745409**

Relative: RCRAInfo:
Higher Owner: OWNER NAME
 EPA ID: NCD981745409
Actual: Contact: ANTHONY ARATO
29 ft. (910) 763-9711

Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AC153
SSW
> 1
18353 ft.

TRIPLE "T" PARTS & EQUIP
2715 HWY 421 N
WILMINGTON, NC 28402

Site 1 of 4 in cluster AC

RCRA-SQG **1000831685**
FINDS **NCD986203941**

Relative:
Higher

Actual:
27 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TRIPLE "T" PARTS & EQUIP (Continued)

1000831685

RCRAInfo:
 Owner: JAMES G MATT
 (919) 763-6281
 EPA ID: NCD986203941
 Contact: TIMOTHY J MATT
 (910) 763-6281
 Classification: Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**AC154
 SSW
 > 1
 18409 ft.**

**NORTHEAST CHEMICAL COMPANY SITE
 2600 U.S. HIGHWAY 421 NORTH
 WILMINGTON, NC 28401**

**CERCLIS 1001491740
 NCSFN0406973**

Site 2 of 4 in cluster AC

**Relative:
 Higher**

CERCLIS:
 Site ID: 0406973
 Federal Facility: Not a Federal Facility
 NPL Status: Not on the NPL
 Non NPL Status: Referred to Removal - NFRAP

**Actual:
 25 ft.**

CERCLIS Site Contact Name(s):
 Contact Name: Phil Vorsatz
 Contact Tel: (404) 562-8789
 Contact Title: Remedial Project Manager (RPM)

 Contact Name: KEN LUCAS
 Contact Tel: (404) 562-8953
 Contact Title: Remedial Project Manager (RPM)

 Contact Name: KEN MALLARY
 Contact Tel: (404) 562-8802
 Contact Title: Remedial Project Manager (RPM)

 Contact Name: Jennifer Wendel
 Contact Tel: (404) 562-8799
 Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):
 Alias Name: FLOWERS PROPERTY SITE

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

NORTHEAST CHEMICAL COMPANY SITE (Continued)

EDR ID Number
EPA ID Number

Database(s)

1001491740

Alias Address: U.S. HIGHWAY 421 NORTH
WILMINGTON, NC 28401

Site Description: An EE/CA was completed by the PRPs in 2004, and an Action Memorandum was signed in September 2004 for a Non Time-Critical Removal Action (NTCRA). The design for the NTCRA has been finalized, and the NTCRA has started.

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 08/03/1999
Priority Level: Not reported

Action: INTEGRATED ASSESSMENT
Date Started: Not reported
Date Completed: 04/16/2000
Priority Level: High

Action: REMOVAL ASSESSMENT
Date Started: Not reported
Date Completed: 04/16/2000
Priority Level: High

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 04/16/2000
Priority Level: High

Action: ADMINISTRATIVE RECORDS
Date Started: 06/16/2000
Date Completed: 06/16/2000
Priority Level: Not reported

Action: REMOVAL
Date Started: 02/18/2000
Date Completed: 08/10/2000
Priority Level: Cleaned up

Action: EXPANDED SITE INSPECTION
Date Started: Not reported
Date Completed: 09/27/2001
Priority Level: Recommended for HRS Scoring

Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 03/30/2002
Priority Level: Not reported

Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: 05/30/2003
Date Completed: 09/01/2003
Priority Level: Not reported

Action: ADMINISTRATIVE RECORDS
Date Started: Not reported
Date Completed: 07/28/2004
Priority Level: Not reported

Action: ENGINEERING EVALUATION/COST ANALYSIS

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

NORTHEAST CHEMICAL COMPANY SITE (Continued)

1001491740

Date Started: 04/18/2002
 Date Completed: 09/29/2004
 Priority Level: Not reported

Action: ADMINISTRATIVE ORDER ON CONSENT
 Date Started: Not reported
 Date Completed: 09/28/2005
 Priority Level: Not reported

AC155
SSW
> 1
18409 ft.

KOCH SULFUR PRODUCTS COMPANY
2600 US HIGHWAY 421 NORTH
WILMINGTON, NC 28402

FINDS 1006320886
110012602530

Site 3 of 4 in cluster AC

Relative:
Higher

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
25 ft.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

AC156
SSW
> 1
18409 ft.

KOCH SULFUR PRODUCTS, INCORPORATED
2600 US HIGHWAY 421 NORTH
WILMINGTON, NC 28401

FINDS 1007717107
110018737223

Site 4 of 4 in cluster AC

Relative:
Higher

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
25 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			EDR ID Number
Elevation	Site	Database(s)	EPA ID Number

AD157	DEL LABORATORIES, INC.	NPDES	S108491880
NNE	1830 CARVER DR		N/A
> 1	ROCKY POINT, NC 28457		
18431 ft.			

Site 1 of 2 in cluster AD

Relative:
Lower

NC NPDES:

Actual:
18 ft.

Permit Number:	NCG500613
Facility Address 2:	Not reported
Issue Date:	04-04-2003
Region:	Wilmington
Owner Name:	DEL Laboratories Inc
Permit Type:	Non-contact Cooling, Boiler Blowdown Wastewater Discharge COC
As-Built Flow (GPD):	Not reported
Domestic %:	Not reported
Industrial %:	Not reported
Stormwater %:	Not reported

NPDES REQUEST:

Permit:	NCG500613
Organization Name:	DEL Laboratories Inc
As Built Flow Qty GPD:	Not reported
Permitted Flow Qty GPD:	Not reported
Domestic PCT:	Not reported
Stormwater PCT:	Not reported
Industrial PCT:	Not reported
Admin Region Name:	Wilmington
Permit Type Desc:	Non-contact Cooling, Boiler Blowdown Wastewater Discharge COC
Permit Status Desc:	Active
Program Category:	NPDES WW
Project Type Desc:	New Project
Is Major:	Minor

AD158	DEL LABORATORIES	ICIS	1009931279
NNE	1830 CARVER DRIVE		N/A
> 1	ROCKY POINT, NC 28457		
18431 ft.			

Site 2 of 2 in cluster AD

Relative:
Lower

ICIS:

Actual:
18 ft.

EFA Enforcement Action ID:	04-2005-4012
FRS ID:	110001504417
Program ID:	FRS 110001504417
Action Name:	DEL LABORATORIES, INC.
Facility Name:	DEL LABORATORIES
Facility Address:	1830 CARVER DRIVE ROCKY POINT, North Carolina 28457
EFA Enforcement Action Type:	RCRA 3008A AO For Comp And/Or Penalty
Facility County:	PENDER
EPA Region #:	4
Program ID:	AIRS/AFS 3714100081
Facility Name:	DEL LABORATORIES
Address:	1830 CARVER DRIVE ROCKY POINT NC 28457
Tribal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

DEL LABORATORIES (Continued)

1009931279

Program ID: FRS 110001504417
Facility Name: DEL LABORATORIES
Address: 1830 CARVER DRIVE ROCKY POINT NC 28457
Tr bal Indicator: Not reported
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: NC-FITS 3584
Facility Name: DEL LABORATORIES
Address: 1830 CARVER DRIVE ROCKY POINT NC 28457
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: Not reported

Program ID: PCS NCG060287
Facility Name: DEL LABORATORIES
Address: 1830 CARVER DRIVE ROCKY POINT NC 28457
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: Not reported

Program ID: PCS NCG500613
Facility Name: DEL LABORATORIES
Address: 1830 CARVER DRIVE ROCKY POINT NC 28457
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: Not reported

Program ID: RCRAINFO NCD981931256
Facility Name: DEL LABORATORIES
Address: 1830 CARVER DRIVE ROCKY POINT NC 28457
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: Not reported

Program ID: TRIS 28457DLLBS1830C
Facility Name: DEL LABORATORIES
Address: 1830 CARVER DRIVE ROCKY POINT NC 28457
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AE159
SE
> 1
18617 ft.

ANSCO & ASSOCIATES, INC.
2929 BLUE CLAY RD.
WILMINGTON, NC

LUST **S103130360**
IMD **N/A**

Site 1 of 3 in cluster AE

Relative:
Higher

LUST:

Actual:
34 ft.

Facility ID:	0-000916	UST Number:	WI-1448
Incident Number:	17158	Lat/Long Decimal:	0 0
Lat/Long:	341731 775435		
Testlat:	Not reported		
Regional Officer Project Mgr:	SAK		
Region:	Wilmington		
Company:	ANSCO & ASSOCIATES, INC.		
Contact Person:	MR. AUTRY BARRETT		
Telephone:	9102712892		
RP Address:	2401 MONTREAL AVENUE		
RP City,St,Zip:	GREENSBORO, NC 27406-		
RP County:	Not reported		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	H		
Risk Class Based On Review:	H		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Tank Regulated Status:	R		
Contamination Type:	Soil		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	4/3/1995	Date Occur:	3/28/1995
NOV Issue Date:	Not reported	NORR Issue Date:	Not reported
Site Priority:	45B	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	Not reported		
MTBE:	Not reported	MTBE1:	Unknown
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	Not reported	Cleanup:	Not reported
Current Status:	File Located in House	RBCA GW:	Not reported
PETOPT:	3	RPL:	No
CD Num:	0	Reel Num:	0
RPOW:	No	RPOP:	No
Error Flag:	0	Valid:	No
Error Code:	Not reported		
Last Modified:	Not reported		
Incident Phase:	Response		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		
Comments:	PIRF, THEN NFA, WAS UNASSIGNED		

IMD:

Region: WIL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

ANSCO & ASSOCIATES, INC. (Continued)

S103130360

Facility ID: 17158
Date Occurred: 3/28/1995
Submit Date: 4/9/1997
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: UST REPORT DOCUMENTS SOIL AND GW CONTAMINATION AT SUBJECT SITE.
Operator: MR. AUTRY BARRETT
Contact Phone: 9102712892
Owner Company: ANSCO & ASSOCIATES, INC.
Operator Address: 2401 MONTREAL AVENUE
Operator City: GREENSBORO
Oper City, St, Zip: GREENSBORO, NC 27406-
Ownership: Private
Operation: Industrial
Material: DIESEL FUEL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Rural
Risk Site: H
Site Priority: 45B
Priority Code: B
Priority Update: 5/30/1998
Dem Contact: SAK
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Groundwater Samples
7.5 Min Quad: Not reported
5 Min Quad: BB30Y
Latitude: 34.29194444
Longitude: -77.90972222
Latitude Number: 341731
Longitude Number: 775435
Latitude Decimal: 34.2919444444444
Longitude Decimal: 77.9097222222222
GPS: NOD
Agency: DWM
Facility ID: 17158
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AF160
SSW
> 1
18670 ft.

FREDRICKSON MOTOR EXPRESS
3327 FREDRICKSON RD.
WILMINGTON, NC

LUST **S103717141**
IMD **N/A**

Site 1 of 4 in cluster AF

Relative:
Lower

LUST:

Actual:
16 ft.

Facility ID:	0-020293	UST Number:	WI-1585
Incident Number:	18842	Lat/Long Decimal:	34.2875 77.9733
Lat/Long:	34 17 15 77 58 23.88	Testlat:	Not reported
Regional Officer Project Mgr:	BAR	Region:	Wilmington
Company:	FREDRICKSON MOTOR EXPRESS	Contact Person:	MR. ALAN SMITH
Telephone:	Not reported	RP Address:	3400 N. GRAHAM STREET
RP City,St,Zip:	CHARLOTTE, NC 28225-	RP County:	Not reported
Comm / Non-comm UST Site:	COMMERCIAL	Risk Classification:	H
Risk Class Based On Review:	L	Corrective Action Plan Type:	Not reported
Level Of Soil Cleanup Achieved:	Not reported	Tank Regulated Status:	R
Contamination Type:	Soil	Product Type:	PETROLEUM
Source Type:	Leak-underground	Date Reported:	6/16/1998
NOV Issue Date:	Not reported	NORR Issue Date:	7/21/1998
Site Priority:	150	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	10/21/1998	# Of Supply Wells:	0
Close Out:	11/13/1998	MTBE1:	Unknown
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	7	Cleanup:	Not reported
Current Status:	File Located in Archives	RBCA GW:	Not reported
PETOPT:	3	RPL:	No
CD Num:	143	Reel Num:	3911
RPOW:	Yes	RPOP:	Yes
Error Flag:	0	Valid:	No
Error Code:	Not reported		
Last Modified:	11/23/1998		
Incident Phase:	Closed Out		
NOV Issued:	Not reported		
NORR Issued:	7/21/1998		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	11/13/1998		
Comments:	Not reported		

IMD:

Region: WIL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FREDRICKSON MOTOR EXPRESS (Continued)

S103717141

Facility ID: 18842
Date Occurred: 4/27/1998
Submit Date: 7/28/1998
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: UST CLOSURE REPORT DOCUMENTS PETRO CONTAMINATION AROUND FORMER
DISPENSER ISLAND; NORR SENT TO RESPONSIBLE PARTY
Operator: MR. ALAN SMITH
Contact Phone: Not reported
Owner Company: FREDRICKSON MOTOR EXPRESS
Operator Address: 3400 N. GRAHAM STREET
Operator City: CHARLOTTE
Oper City, St, Zip: CHARLOTTE, NC 28225-
Ownership: Private
Operation: Industrial
Material: DIESEL
Qty Lost 1: Not reported
Qty Recovered 1: UNKNOWN
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Risk Site: H
Site Priority: 105H
Priority Code: H
Priority Update: 8/4/1998
Dem Contact: BAR
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.2875
Longitude: -77.97305555
Latitude Number: 341715
Longitude Number: 775823
Latitude Decimal: 34.2875
Longitude Decimal: 77.973055555556
GPS: 7
Agency: DWM
Facility ID: 18842
Last Modified: 11/23/1998
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: 7/21/1998
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 11/13/1998

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

AE161
SE
> 1
18686 ft.

TOLEDO CAROLINA
2915 BLUE CLAY ROAD
WILMINGTON, NC

LUST **S107497613**
IMD **N/A**

Site 2 of 3 in cluster AE

Relative:
Higher

LUST:

Actual:
34 ft.

Facility ID:	0-020695	UST Number:	WI-7268
Incident Number:	32394	Lat/Long Decimal:	34.29177 77.90962
Lat/Long:	34 17 30.36 77 54 34.62	Testlat:	Not reported
Regional Officer Project Mgr:	SPW	Region:	Wilmington
Company:	Toledo Carolina	Contact Person:	Bret Greet
Telephone:	8436697503	RP Address:	P. O. Box 12366
RP City,St,Zip:	Florence, SC 295042366	RP County:	Not reported
Comm / Non-comm UST Site:	COMMERCIAL	Risk Classification:	Not reported
Risk Class Based On Review:	H	Corrective Action Plan Type:	Not reported
Level Of Soil Cleanup Achieved:	Not reported	Tank Regulated Status:	R
Contamination Type:	Groundwater/Both	Product Type:	PETROLEUM
Source Type:	Leak-underground	Date Occur:	3/10/2005
Date Reported:	4/12/2005	NORR Issue Date:	Not reported
NOV Issue Date:	Not reported	Phase Of LSA Req:	Not reported
Site Priority:	Not reported	Land Use:	Not reported
Site Risk Reason:	Not reported	# Of Supply Wells:	0
Closure Request:	Not reported	MTBE1:	Yes
Close Out:	Not reported	Flag1:	No
MTBE:	No	Release Detection:	0
Flag:	No	Cleanup:	Not reported
LUR Filed:	Not reported	RBCA GW:	Not reported
GPS Confirmed:	3	RPL:	Yes
Current Status:	File Located in House	Reel Num:	0
PETOPT:	3	RPOP:	Yes
CD Num:	0	Valid:	Yes
RPOW:	Yes		
Error Flag:	0		
Error Code:	N		
Last Modified:	Not reported		
Incident Phase:	Not reported		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		

Comments: Incident was reported on 04/12/2005 as a UST/AST incident as a result of a real estate assessment.. Site held a UST from 1978 until 1986 when it was removed and replaced with an AST. No assessment was done at the time the tank was removed and nonewas required at the time. Site was treated as a AST until CSA

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

TOLEDO CAROLINA (Continued)

S107497613

showed that the highest levels of contamination seemed to originate at the former UST dispenser area.

IMD:

Region: WIL
Facility ID: 87611
Date Occurred: 3/1/2005
Submit Date: 6/14/2006
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: Soil and groundwater contamination from UST and/or AST gasoline system at the site. The AST and UST were located adjacent to each other so the source is not cle
Operator: Greer, Bret
Contact Phone: Not reported
Owner Company: Toledo Carolina, Inc.
Operator Address: P.O. Box 12366
Operator City: Florence
Oper City, St, Zip: Florence, SC
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Dredge Spoil
Type: Gasoline/diesel
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: NOD
Priority Update: Not reported
Dem Contact: Ginny Henderson
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.2915
Longitude: -77.9098
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: EST
Agency: DWQ
Facility ID: 87611
Last Modified: 6/14/2006
Incident Phase: AS
NOV Issued: 3/13/2006
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TOLEDO CAROLINA (Continued)

S107497613

Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**AE162
 SE
 > 1
 18722 ft.**

**NORTH WILMINGTON COMMUNITY CHU
 2907 BLUE CLAY ROAD
 WILMINGTON, NC 28429**

**FINDS 1009654654
 110027401540**

Site 3 of 3 in cluster AE

**Relative:
 Higher**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 34 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

**AF163
 SSW
 > 1
 18739 ft.**

**COASTAL POWER AND ELECTRIC
 208 TRANSCOM COURT
 WILMINGTON, NC**

**IMD S106349491
 N/A**

Site 2 of 4 in cluster AF

**Relative:
 Higher**

IMD:
 Region: WIL
 Facility ID: 86929
 Date Occurred: 10/16/2003
 Submit Date: 11/30/2005
 GW Contam: Groundwater Contamination status unknown
 Soil Contam: Not reported
 Incident Desc: The GWS received a complaint of oil spillage at the site on October 16, 2003. GWS staff visited the site on October 27, 2003. Stained areas of soil were noted i
 Operator: Howell, Robert
 Contact Phone: 910-762-0021
 Owner Company: Coastal Power and Electric
 Operator Address: 221 Sutton Lake Road
 Operator City: Wilmington
 Oper City, St, Zip: Wilmington, NC 910-762-0021
 Ownership: Not Reported
 Operation: Not Reported
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Spill-surface
 Type: Other petroleum product
 Location: Not reported
 Setting: Not reported

**Actual:
 31 ft.**

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

COASTAL POWER AND ELECTRIC (Continued)

S106349491

Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: NOD
 Priority Update: Not reported
 Dem Contact: Diane Adams
 Wells Affected: No
 Num Affected: Not reported
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: 34.29
 Longitude: -77.9723
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: NOD
 Agency: DWQ
 Facility ID: 86929
 Last Modified: 11/30/2005
 Incident Phase: Closed Out
 NOV Issued: 2/13/2004
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 4/25/2005

**AG164
 SSW
 > 1
 18770 ft.**

**EAGLE ISLAND FRUIT AND SEAFOOD
 2500 US HIGHWAY 421
 WILMINGTON, NC 28401**

**FINDS 1009653335
 110027387628**

Site 1 of 2 in cluster AG

**Relative:
 Higher**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 32 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AH165
SSE
 > 1
 18773 ft.

BURGER KING #7618
2549 CASTLE HAYNE ROAD
WILMINGTON, NC 28401

FINDS **1007714128**
 110018707318

Site 1 of 7 in cluster AH

Relative:
Higher

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
29 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

AH166
SSE
 > 1
 18821 ft.

FORMER FAST FARE NC-733
2540 CASTLE HAYNE RD
WILMINGTON, NC 28401

NPDES **S108491998**
 N/A

Site 2 of 7 in cluster AH

Relative:
Higher

NC NPDES:
 Permit Number: NCG510469
 Facility Address 2: Not reported
 Issue Date: 08-03-2001
 Region: Wilmington
 Owner Name: Crown Central LLC
 Permit Type: Groundwater Remediation Wastewater Discharge COC
 As-Built Flow (GPD): Not reported
 Domestic %: 0
 Industrial %: 100
 Stormwater %: 0

Actual:
29 ft.

NPDES REQUEST:
 Permit: NCG510469
 Organization Name: Crown Central LLC
 As Built Flow Qty GPD: Not reported
 Permitted Flow Qty GPD: Not reported
 Domestic PCT: 0
 Stormwater PCT: 0
 Industrial PCT: 100
 Admin Region Name: Wilmington
 Permit Type Desc: Groundwater Remediation Wastewater Discharge COC
 Permit Status Desc: Active
 Program Category: NPDES WW
 Project Type Desc: Renewal
 Is Major: Minor

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AH167
SSE
> 1
18821 ft.

FAST FARE NC 733
2540 CASTLE HAYNE RD
WILMINGTON, NC 28401

RCRA-SQG 1000448918
FINDS NCD986175586
LUST
UST
IMD

Relative:
Higher

Site 3 of 7 in cluster AH

Actual:
29 ft.

RCRAInfo:
 Owner: CROWN CENTRAL PETRROLEUM CORP
 (410) 539-7400
 EPA ID: NCD986175586
 Contact: RICHARD GARVINE
 (410) 659-4845

Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	262.41
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	10/19/1995
Actual Date Achieved Compliance:	11/03/1995
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/19/1995
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Schedule Evaluation	GENERATOR-GENERAL REQUIREMENTS	19951103
Other Evaluation	GENERATOR-GENERAL REQUIREMENTS	19951103

FINDS:

Other Pertinent Environmental Activity Identified at Site

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID:	0-020316	UST Number:	WI-1332
Incident Number:	15466	Lat/Long Decimal:	34.288225944 77.920773093
Lat/Long:	34.288225944 77.920773093		
Testlat:	Not reported		
Regional Officer Project Mgr:	SAK		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

FAST FARE NC 733 (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000448918

Region:	Wilmington		
Company:	CROWN CENTRAL PETROLEUM CORP.		
Contact Person:	MR. JOHN WOLF		
Telephone:	8045158687		
RP Address:	P. O. Box 1168		
RP City,St,Zip:	Baltimore, MD 21203		
RP County:	Not reported		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	H		
Risk Class Based On Review:	H		
Corrective Action Plan Type:	AP		
Level Of Soil Cleanup Achieved:	Soil to Groundwater		
Tank Regulated Status:	R		
Contamination Type:	Groundwater/Both		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	4/16/1996	Date Occur:	4/16/1996
NOV Issue Date:	6/2/1998	NORR Issue Date:	Not reported
Site Priority:	185B	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	Not reported	# Of Supply Wells:	1
Close Out:	Not reported		
MTBE:	Yes	MTBE1:	Yes
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	3	Cleanup:	Not reported
Current Status:	File Located in House	RBCA GW:	Not reported
PETOPT:	3	RPL:	No
CD Num:	0	Reel Num:	0
RPOW:	Yes	RPOP:	No
Error Flag:	0		
Error Code:	Not reported	Valid:	Yes
Last Modified:	Not reported		
Incident Phase:	Response		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		
Comments:	WAS DTM SITE, has 3 groundwater recovery wells and soil vapor extraction system, contamination in a few wells, keep on semi-annual monitoring, next report due in feb. or mar of 2005, Sept. 04 - mtbe found in wsw, sent info to cathy timpy (nhhd), wait for her sampling results for next move, sent taco to co on 9.9.04		

UST:

Facility ID:	0-020316
Region:	08
Facility Telephone:	(910) 862-3197
Last Update:	08/13/04
Owner Name:	SAMPSON BLADEN OIL CO INC
Owner Address:	PO BOX 160/2174 HWY 701 S
Owner City,St,Zip:	ELIZABETHTOWN, NC 28337

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FAST FARE NC 733 (Continued)

1000448918

Owner Phone: (910) 862-3197
Tank ID: A1
Tank capacity: 15000
Comment: Not reported
Date installed: 06/30/99
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Fiberglass Reinforced Plastic
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Statistical inventory reconciliation
Leak Detection Piping 1: Automatic line leak detectors
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF
Latitude: 34.28814
Latitude 1: 34 17 17.29
Longitude: 77.92029
Longitude 1: 77 55 13.04
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: K
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 06/30/99
Corrosion Protection Piping Date: 06/30/99
Spill Overfill Date: 06/30/99
Piping System Type Code: P
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2006080800
Date Last Certified: 09/20/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-020316
Region: 08
Facility Telephone: (910) 862-3197
Last Update: 08/13/04
Owner Name: SAMPSON BLADEN OIL CO INC
Owner Address: PO BOX 160/2174 HWY 701 S
Owner City,St,Zip: ELIZABETHTOWN, NC 28337
Owner Phone: (910) 862-3197

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FAST FARE NC 733 (Continued)

1000448918

Tank ID: A2
Tank capacity: 15000
Comment: Not reported
Date installed: 06/30/99
Date removed: / /
Status: Currently In Use
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Fiberglass Reinforced Plastic
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Statistical inventory reconciliation
Leak Detection Piping 1: Automatic line leak detectors
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF
Latitude: 34.28814
Latitude 1: 34 17 17.29
Longitude: 77.92029
Longitude 1: 77 55 13.04
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: K
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 06/30/99
Corrosion Protection Piping Date: 06/30/99
Spill Overfill Date: 06/30/99
Piping System Type Code: P
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2006080800
Date Last Certified: 09/20/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-020316
Region: 08
Facility Telephone: (910) 862-3197
Last Update: 08/13/04
Owner Name: SAMPSON BLADEN OIL CO INC
Owner Address: PO BOX 160/2174 HWY 701 S
Owner City,St,Zip: ELIZABETHTOWN, NC 28337
Owner Phone: (910) 862-3197
Tank ID: A3

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FAST FARE NC 733 (Continued)

1000448918

Tank capacity: 12000
Comment: Not reported
Date installed: 06/30/99
Date removed: / /
Status: Currently In Use
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Fiberglass Reinforced Plastic
Interior Protection: FRP
Exterior Protection: FRP
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Statistical inventory reconciliation
Leak Detection Piping 1: Automatic line leak detectors
Corrosn Protec Tank: FRP tank/piping
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF
Latitude: 34.28814
Latitude 1: 34 17 17.29
Longitude: 77.92029
Longitude 1: 77 55 13.04
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: K
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 06/30/99
Corrosion Protection Piping Date: 06/30/99
Spill Overfill Date: 06/30/99
Piping System Type Code: P
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 2006080800
Date Last Certified: 09/20/06
Begin Certified Number: 01/10/06
End Certified Number: / /

Facility ID: 0-020316
Region: 08
Facility Telephone: (910) 862-3197
Last Update: 08/13/04
Owner Name: SAMPSON BLADEN OIL CO INC
Owner Address: PO BOX 160/2174 HWY 701 S
Owner City,St,Zip: ELIZABETHTOWN, NC 28337
Owner Phone: (910) 862-3197
Tank ID: 1
Tank capacity: 6000

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FAST FARE NC 733 (Continued)

1000448918

Comment: Not reported
Date installed: 01/01/70
Date removed: 10/05/99
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Statistical inventory reconciliation
Leak Detection Piping 1: Statistical inventory reconciliation
Corrosn Protec Tank: Dielectric coating
Corrosn Protec Pipe: Not reported
Spill and Overfill: Catchment basins
Financial Responsibility: SELF
Latitude: 34.28814
Latitude 1: 34 17 17.29
Longitude: 77.92029
Longitude 1: 77 55 13.04
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 12/21/98
Tank Certified Number: 1998041500
Date Last Certified: 06/03/98
Begin Certified Number: 01/04/98
End Certified Number: / /

Facility ID: 0-020316
Region: 08
Facility Telephone: (910) 862-3197
Last Update: 08/13/04
Owner Name: SAMPSON BLADEN OIL CO INC
Owner Address: PO BOX 160/2174 HWY 701 S
Owner City,St,Zip: ELIZABETHTOWN, NC 28337
Owner Phone: (910) 862-3197
Tank ID: 2
Tank capacity: 4000
Comment: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FAST FARE NC 733 (Continued)

1000448918

Date installed: 01/01/70
Date removed: 10/05/99
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Statistical inventory reconciliation
Leak Detection Piping 1: Statistical inventory reconciliation
Corrosn Protec Tank: Dielectric coating
Corrosn Protec Pipe: Not reported
Spill and Overfill: Catchment basins
Financial Responsibility: SELF
Latitude: 34.28814
Latitude 1: 34 17 17.29
Longitude: 77.92029
Longitude 1: 77 55 13.04
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 12/21/98
Tank Certified Number: 1998041500
Date Last Certified: 06/03/98
Begin Certified Number: 01/04/98
End Certified Number: / /

Facility ID: 0-020316
Region: 08
Facility Telephone: (910) 862-3197
Last Update: 08/13/04
Owner Name: SAMPSON BLADEN OIL CO INC
Owner Address: PO BOX 160/2174 HWY 701 S
Owner City,St,Zip: ELIZABETHTOWN, NC 28337
Owner Phone: (910) 862-3197
Tank ID: 3
Tank capacity: 3000
Comment: Not reported
Date installed: 01/01/70

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FAST FARE NC 733 (Continued)

1000448918

Date removed: 10/05/99
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Statistical inventory reconciliation
Leak Detection Piping 1: Statistical inventory reconciliation
Corrosn Protec Tank: Dielectric coating
Corrosn Protec Pipe: Not reported
Spill and Overfill: Catchment basins
Financial Responsibility: SELF
Latitude: 34.28814
Latitude 1: 34 17 17.29
Longitude: 77.92029
Longitude 1: 77 55 13.04
GPS String Confirmed: Yes
Initials of Individual Confirming GPS: JLH
Financial Responsibility Code: Not reported
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: B
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: 12/21/98
Tank Certified Number: 1998041500
Date Last Certified: 06/03/98
Begin Certified Number: 01/04/98
End Certified Number: / /

IMD:

Region: WIL
Facility ID: 15466
Date Occurred: 4/16/1996
Submit Date: 5/16/1996
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: MONITORING WELL SAMPLING CONFIRMED GW CONTAMINATION ON-SITE.
Operator: MR. JOHN WOLF
Contact Phone: 8045158687
Owner Company: CROWN CENTRAL PETROLEUM CORP.
Operator Address: P. O. Box 1168
Operator City: Baltimore

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

FAST FARE NC 733 (Continued)

1000448918

Oper City,St,Zip: Baltimore, MD 21203
 Ownership: Private
 Operation: Commercial
 Material: GASOLINE
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Leak-underground
 Type: Gasoline/diesel
 Location: Facility
 Setting: Residential
 Risk Site: H
 Site Priority: 185B
 Priority Code: H
 Priority Update: 5/30/1998
 Dem Contact: SAK
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Respons ble Parties
 Samples Include: Groundwater Samples
 7.5 Min Quad: Not reported
 5 Min Quad: CC31K
 Latitude: 34.288225944
 Longitude: -77.92077309
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: 3
 Agency: DWM
 Facility ID: 15466
 Last Modified: Not reported
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighed: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

168
 SE
 > 1
 18826 ft.

**ANSCO & ASSOCIATES. INC.
 BLUECLAY ROAD
 WILMINGTON, NC 28401**

**UST U001186627
 N/A**

**Relative:
 Higher**

UST:
 Facility ID: 0-000916
 Region: 08
 Facility Telephone: (910) 292-2761
 Last Update: 07/31/96
 Owner Name: ANSCO & ASSOCIATES. INC.
 Owner Address: PO BOX 18445/ATTN HOYT EVANS
 Owner City,St,Zip: GREENSBORO, NC 27419

**Actual:
 34 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ANSCO & ASSOCIATES. INC. (Continued)

U001186627

Owner Phone: (910) 271-3093
Tank ID: 001
Tank capacity: 1000
Comment: Not reported
Date installed: 01/01/64
Date removed: 12/31/89
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Unknown
Piping material: Unknown
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Facility ID: 0-000916
Region: 08
Facility Telephone: (910) 292-2761
Last Update: 07/31/96
Owner Name: ANSCO & ASSOCIATES. INC.
Owner Address: PO BOX 18445/ATTN HOYT EVANS
Owner City,St,Zip: GREENSBORO, NC 27419
Owner Phone: (910) 271-3093

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ANSCO & ASSOCIATES. INC. (Continued)

U001186627

Tank ID: 002
Tank capacity: 8000
Comment: Not reported
Date installed: 03/09/89
Date removed: 03/28/95
Status: Permanent Closed
Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: Cathodic Protection
Exterior Protection: Cathodic Protection
Piping material: FRP
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EPA ID Number

AH169 SSE > 1 18830 ft.	CROWN NC #733 2540 CASTLE HAYNE RD WILMINGTON, NC Site 4 of 7 in cluster AH Relative: Higher LUST TRUST: Facility ID: 0-020316 Site ID: 15466 Actual: Site Note: 75K(20&40%) Claims have been processed out of order, use invoice form 29 ft. last claim processed (#202). Address Change 2-20-03. Site Eligible?: True Commercial Find: 100% Commercial Priority Rank: Not reported Deductable Amount: 75000 3rd Party Deductable Amt: 0 Sum 3rd Party Amt Applied: 0	LUST TRUST	S105593117 N/A
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[Click this hyperlink](#) while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

AH170 SSE > 1 18830 ft.	MCDONALD S #13382 2541 CASTLE HAYNE ROAD WILMINGTON, NC 28405 Site 5 of 7 in cluster AH Relative: Higher FINDS: Other Pertinent Environmental Activity Identified at Site Actual: NC-FITS (North Carolina - Facility Identification Template For States) 29 ft. is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.	FINDS	1007696603 110018531882
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AH171 SSE > 1 18830 ft.	CROWN CENTRAL PETROLEUM-NC/733 2540 CASTLE HAYNE RD WILMINGTON, NC 28401 Site 6 of 7 in cluster AH Relative: Higher FINDS: Other Pertinent Environmental Activity Identified at Site Actual: PCS (Permit Compliance System) is a computerized management 29 ft. information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.	FINDS	1008389761 110022563322
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MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AH172
SSE
 > 1
 18881 ft.

WRIGHTSBORO CENTER
2535 CASTLE HAYNE ROAD
WILMINGTON, NC 28401

FINDS **1007715190**
 110018717977

Site 7 of 7 in cluster AH

Relative:
Higher

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
 29 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

AF173
SSW
 > 1
 18986 ft.

TIDEWATER TRANSIT CO INC
3305 FREDRICKSON RD
WILMINGTON, NC 28401

RCRA-SQG **1001488617**
FINDS **NCD982086761**

Site 3 of 4 in cluster AF

Relative:
Lower

RCRAInfo:
 Owner: TIDEWATER TRANSIT CO INC
 (800) 849-8981
 EPA ID: NCD982086761
 Contact: DENNIS JONES
 (800) 849-8983
 Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

Actual:
 13 ft.

FINDS:
 Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AF174
 SSW
 > 1
 18986 ft.

TIDEWATER TRANSIT
 3305 FREDRICKSON RD.
 WILMINGTON, NC

LUST S102443278
 IMD N/A

Site 4 of 4 in cluster AF

Relative:
 Lower

LUST:

Actual:
 13 ft.

Facility ID: 0-022721
 Incident Number: 16548
 Lat/Long: 34 17 11.04 77 58 22.08
 Testlat: Not reported
 Regional Officer Project Mgr: BAR
 Region: Wilmington
 Company: TIDEWATER TRANSIT CO.
 Contact Person: MR. RON HOLMES
 Telephone: 9105234103
 RP Address: P.O. BOX 189
 RP City,St,Zip: KINSTON, NC 28501-
 RP County: Not reported
 Comm / Non-comm UST Site: COMMERCIAL
 Risk Classification: H
 Risk Class Based On Review: L
 Corrective Action Plan Type: EL
 Level Of Soil Cleanup Achieved: Not reported
 Tank Regulated Status: R
 Contamination Type: Groundwater/Both
 Source Type: Leak-underground
 Date Reported: 5/1/1996
 NOV Issue Date: Not reported
 Site Priority: 95B
 Site Risk Reason: Not reported
 Closure Request: Not reported
 Close Out: 12/3/1998
 MTBE: Not reported
 Flag: No
 LUR Filed: Not reported
 GPS Confirmed: 7
 Current Status: File Located in Archives
 PETOPT: 3
 CD Num: 143
 RPOW: No
 Error Flag: 0
 Error Code: Not reported
 Last Modified: 1/26/1999
Incident Phase: Closed Out
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 12/31/1998
 Comments: Not reported

UST Number: WI-1391
 Lat/Long Decimal: 34.2864 77.9728
 Product Type: PETROLEUM
 Date Occur: 1/30/1996
 NORR Issue Date: 9/3/1996
 Phase Of LSA Req: Not reported
 Land Use: Not reported
 # Of Supply Wells: 0
 MTBE1: No
 Flag1: No
 Release Detection: 0
 Cleanup: Not reported
 RBCA GW: Not reported
 RPL: No
 Reel Num: 3911
 RPOP: No
 Valid: No

IMD:

Region: WIL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

TIDEWATER TRANSIT (Continued)

S102443278

Facility ID: 16548
Date Occurred: 1/30/1996
Submit Date: 11/27/1996
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: SOIL AND GW CONTAM. HAVE BEEN CONFIRMED ON-SITE.
Operator: MR. RON HOLMES
Contact Phone: 9105234103
Owner Company: TIDEWATAER TRANSIT CO.
Operator Address:P.O. BOX 189
Operator City: KINSTON
Oper City,St,Zip: KINSTON, NC 28501-
Ownership: Private
Operation: Industrial
Material: DIESEL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Risk Site: H
Site Priority: 95B
Priority Code: H
Priority Update: 5/30/1998
Dem Contact: BAR
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Respons ble Parties
Samples Include: Groundwater Samples
7.5 Min Quad: Not reported
5 Min Quad: CC31N
Latitude: 34.28638888
Longitude: -77.97277777
Latitude Number: 341711
Longitude Number: 775822
Latitude Decimal: 34.2863888888889
Longitude Decimal: 77.9727777777778
GPS: 7
Agency: DWM
Facility ID: 16548
Last Modified: 1/26/1999
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 12/31/1998

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

175
 ENE
 > 1
 19072 ft.

INTERNATIONAL PAPER CO
4409 HOLLY SHELTER ROAD
CASTLE HAYNE, NC 28429

FINDS 1005544155
110006721896

Relative:
Equal

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
24 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

AG176
 SSW
 > 1
 19123 ft.

V.C. CHEMICAL-ALMONT WORKS
2400 U.S. HIGHWAY 421 NORTH
WILMINGTON, NC 28401

CERCLIS 1001212332
FINDS NC0002178580

Relative:
Higher

Site 2 of 2 in cluster AG

Actual:
34 ft.

CERCLIS:
 Site ID: 0406754
 Federal Facility: Not a Federal Facility
 NPL Status: Not on the NPL
 Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

CERCLIS Site Contact Name(s):

Contact Name: Phil Vorsatz
 Contact Tel: (404) 562-8789
 Contact Title: Remedial Project Manager (RPM)

Contact Name: JON BORNHOLM
 Contact Tel: (404) 562-8820
 Contact Title: Remedial Project Manager (RPM)

Contact Name: Luis Flores
 Contact Tel: (404) 562-8807
 Contact Title: Remedial Project Manager (RPM)

Contact Name: MICHAEL TOWNSEND
 Contact Tel: (404) 562-8813
 Contact Title: Remedial Project Manager (RPM)

Contact Name: KEN MALLARY
 Contact Tel: (404) 562-8802
 Contact Title: Remedial Project Manager (RPM)

Contact Name: SAMANTHA URQUHART F
 Contact Tel: (404) 562-8760

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

V.C. CHEMICAL-ALMONT WORKS (Continued)

EDR ID Number
EPA ID Number

Database(s)

1001212332

Contact Title: Remedial Project Manager (RPM)

Contact Name: KEN LUCAS
Contact Tel: (404) 562-8953
Contact Title: Remedial Project Manager (RPM)

Contact Name: Jennifer Wendel
Contact Tel: (404) 562-8799
Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):
Alias Name: V.C. CHEMICAL - ALMONT WORKS
Alias Address: 2400 U.S. HIGHWAY 421 NORTH
WILMINGTON, NC 28401
Alias Name: V.C. CHEMICAL- ALMONT WORKS
Alias Address: 2400 U.S. HIGHWAY 421 NORTH
WILMINGTON, NC 28401
Site Description: Fertilizer and Sulfuric acid manufacturing plant. -EE/CA

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/06/1997
Priority Level: Not reported

Action: REMOVAL ASSESSMENT
Date Started: 12/31/1999
Date Completed: 03/30/2000
Priority Level: High

Action: PRELIMINARY ASSESSMENT
Date Started: 12/31/1999
Date Completed: 03/30/2000
Priority Level: Not reported

Action: EXPANDED SITE INSPECTION
Date Started: 12/31/1999
Date Completed: 10/04/2001
Priority Level: Low

FINDS:

Other Pertinent Environmental Activity Identified at Site

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

177
 SSW
 > 1
 19171 ft.

PCS NITROGEN, FMRLY ARCADIAN
2830 HWY 421 NORTH
WILMINGTON, NC

IMD 1000535188
N/A

Relative:
Higher

IMD:

Actual:
37 ft.

Region: WIL
 Facility ID: 5028
 Date Occurred: 5/4/1989
 Submit Date: 6/14/2006
 GW Contam: Yes, Groundwater Contamination has been detected
 Soil Contam: Not reported
 Incident Desc: MULTIPLE INCIDENTS IN SOC WITH DEM. Also see Incident Nos. 5032, 5205, 5787, 6967 and 7083. All the other incidents have been closed out and the assessment is b
 Operator: Schimming, Bill
 Contact Phone: Not reported
 Owner Company: PCS NITROGEN, Inc.
 Operator Address: 1101 Skokie Blvd
 Operator City: North Brook
 Oper City, St, Zip: North Brook, IL
 Ownership: Federal
 Operation: Mining
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Unknown
 Type: Fertilizers
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: 85
 Priority Code: NOD
 Priority Update: Not reported
 Dem Contact: Ginny Henderson
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: 34.278888
 Longitude: -77.949722
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 5028
 Last Modified: 6/14/2006
 Incident Phase: RE
 NOV Issued: 2/10/2006
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: 8/31/1998
 SOC Sighned: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PCS NITROGEN, FMRLY ARCADIAN (Continued)

1000535188

Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 5030
Date Occurred: 5/4/1989
Submit Date: 8/5/2003
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: MULTIPLE INCIDENTS IN SOC WITH DEM
Operator: TURPIN/NITREX, JOHN P
Contact Phone: Not reported
Owner Company: PCS NITROGEN, FMRLY ARCADIAN
Operator Address: 2830 HWY 421 NORTH
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Unknown
Type: Other inorganics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 85
Priority Code: NOD
Priority Update: Not reported
Dem Contact: CDR
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.278888
Longitude: -77.949722
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 5030
Last Modified: 8/5/2003
Incident Phase: RE
NOV Issued: 5/30/1989
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: 4/11/1989
SOC Sighned: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PCS NITROGEN, FMRLY ARCADIAN (Continued)

1000535188

Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 5031
Date Occurred: 5/4/1989
Submit Date: 8/5/2003
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: MULTIPLE INCIDENTS IN SOC WITH DEM
Operator: TURPIN/NITREX, JOHN P
Contact Phone: Not reported
Owner Company: PCS NITROGEN, FMRLY ARCADIAN
Operator Address: 2830 HWY 421 NORTH
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Unknown
Type: Other inorganics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 85
Priority Code: NOD
Priority Update: Not reported
Dem Contact: CDR
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.278888
Longitude: -77.949722
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 5031
Last Modified: 8/5/2003
Incident Phase: RE
NOV Issued: 5/30/1989
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: 4/11/1989
SOC Sighned: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PCS NITROGEN, FMRLY ARCADIAN (Continued)

1000535188

Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: WIL
Facility ID: 5032
Date Occurred: 5/4/1989
Submit Date: 2/10/2006
GW Contam: Groundwater Contamination status unknown
Soil Contam: Not reported
Incident Desc: FORMERLY NITREX FACILITY. Also see Incident Nos. 5028, 5205, 5787, 6967 and 7083. Assessment conducted under 5028, the rest have been closed.
Operator: TURPIN/NITREX, JOHN
Contact Phone: Not reported
Owner Company: PCS NITROGEN, FMRLY ARCADIAN
Operator Address: 2830 HWY 421 NORTH
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Unknown
Type: Other inorganics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 60
Priority Code: NOD
Priority Update: Not reported
Dem Contact: Ginny Henderson
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.278888
Longitude: -77.949722
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 5032
Last Modified: 2/10/2006
Incident Phase: Closed Out
NOV Issued: 12/9/1991
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PCS NITROGEN, FMRLY ARCADIAN (Continued)

1000535188

Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 2/10/2006

Region: WIL
Facility ID: 5205
Date Occurred: 9/12/1989
Submit Date: 2/10/2006
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: FORMER NITREX FACILITY/W.R. GRACE. Also see Incident Nos. 5028, 5032, 5787, 6967 and 7083. Assessment conducted under 5028, the rest have been closed.

Operator: TURPIN, JOHN
Contact Phone: Not reported
Owner Company: PCS NITROGEN, FMRLY ARCADIAN
Operator Address: 2830 HWY 421 NORTH
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC
Ownership: Federal
Operation: Mining
Material: AMMONIUM NITRATE SOLUTION
Qty Lost 1: Not reported
Qty Recovered 1: UNK
Source: Unknown
Type: Other inorganics
Location: Pipeline
Setting: Industrial
Risk Site: Not reported
Site Priority: 45
Priority Code: NOD
Priority Update: Not reported
Dem Contact: Ginny Henderson
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Other
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.278888
Longitude: -77.949722
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 5205
Last Modified: 2/10/2006
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PCS NITROGEN, FMRLY ARCADIAN (Continued)

1000535188

45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: 4/11/1989
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 2/10/2006

Region: WIL
Facility ID: 5787
Date Occurred: 7/27/1990
Submit Date: 2/10/2006
GW Contam: Groundwater Contamination status unknown
Soil Contam: No
Incident Desc: WASTE OIL SUMP REMOVAL/INCIDENT. Also see Incident Nos. 5028, 5032, 5205, 6967 and 7083. Assessment conducted under 5028, the rest have been closed.
Operator: EVANS/ARCADIAN, GENE
Contact Phone: 343-3100
Owner Company: PCS NITROGEN, FMRLY ARCADIAN
Operator Address: PO BOX 630
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC 343-3100
Ownership: Federal
Operation: Mining
Material: WASTE OIL
Qty Lost 1: Not reported
Qty Recovered 1: UNK
Source: Unknown
Type: Other inorganics
Location: Facility
Setting: Industrial
Risk Site: L
Site Priority: 40
Priority Code: NOD
Priority Update: Not reported
Dem Contact: CDR
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Resposn ble Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.278888
Longitude: -77.949722
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 5787
Last Modified: 2/10/2006
Incident Phase: Closed Out

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PCS NITROGEN, FMRLY ARCADIAN (Continued)

1000535188

NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 2/10/2006

Region: WIL
Facility ID: 6967
Date Occurred: 10/8/1991
Submit Date: 2/10/2006
GW Contam: No Groundwater Contamination detected
Soil Contam: Not reported
Incident Desc: AMMONIUM NITRATE SPILL. Also see Incident Nos. 5028, 5032, 5205, 5787 and 7083. Assessment conducted under 5028, the rest have been closed.
Operator: TURPIN/ARCADIAN CORP., JOHN
Contact Phone: Not reported
Owner Company: PCS NITROGEN, FMRLY ARCADIAN
Operator Address: 2830 HWY 421 NORTH
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC
Ownership: Federal
Operation: Mining
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Unknown
Type: Other inorganics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 120
Priority Code: NOD
Priority Update: Not reported
Dem Contact: Ginny Henderson
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.278888
Longitude: -77.949722
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 6967
Last Modified: 2/10/2006

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PCS NITROGEN, FMRLY ARCADIAN (Continued)

1000535188

Incident Phase: Closed Out
NOV Issued: 11/12/1991
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 2/10/2006

Region: WIL
Facility ID: 7083
Date Occurred: 12/5/1991
Submit Date: 2/10/2006
GW Contam: Groundwater Contamination status unknown
Soil Contam: Not reported
Incident Desc: FUEL OIL SPILL. Also see Incident Nos. 5028, 5032, 5205, 5787 and 6967. Assessment conducted under 5028, the rest have been closed.
Operator: FREEZE/ARCADIAN CORP., TERRY
Contact Phone: Not reported
Owner Company: PCS NITROGEN, FMRLY ARCADIAN
Operator Address: 2830 HWY 421 NORTH, WILMINGTON 2840
Operator City: MEMPHIS
Oper City, St, Zip: MEMPHIS, NC
Ownership: Federal
Operation: Mining
Material: #2 FUEL OIL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Unknown
Type: Other inorganics
Location: Facility
Setting: Industrial
Risk Site: Not reported
Site Priority: 0
Priority Code: NOD
Priority Update: Not reported
Dem Contact: Ginny Henderson
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.278888
Longitude: -77.949722
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 7083

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PCS NITROGEN, FMRLY ARCADIAN (Continued)

1000535188

Last Modified: 2/10/2006
 Incident Phase: Closed Out
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 2/10/2006

178
 WNW
 > 1
 19236 ft.

**CHEMICAL LEAMAN TANK LINES, INC.
 120 COWPEN LANDING
 NEAR WILMINGTON, NC**

**SHWS S105488710
 N/A**

Relative:
 Equal

SHWS:
 Facility ID: NCD062677273
 Facility Status: Sites Requiring No Further Action

Actual:
 24 ft.

AI179
 SSW
 > 1
 19492 ft.

**SOUTHEASTERN PET CREMATION
 203 BEVAL ROAD
 WILMINGTON, NC 28401**

**FINDS 1004548042
 110001493740**

Relative:
 Lower

Site 1 of 2 in cluster AI
 FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
 18 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

180
 NE
 > 1
 19516 ft.

CREEKSIDE ESTATES MHP WATER SYS
264 GOOSE NECK ROAD, W
ROCKY POINT, NC 28457

FINDS 1005672668
110010770308

Relative:
Lower

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
5 ft.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

AJ181
 SSE
 > 1
 19522 ft.

THE RAPAIR CENTER
RT 6 BOX 72 A, N. KERR & BLUE CL
WILMINGTON, NC 28405

UST U003146269
N/A

Relative:
Higher

Site 1 of 4 in cluster AJ

UST:
 Facility ID: 0-026105
 Region: 08
 Facility Telephone: (919) 763-0733
 Last Update: / /
 Owner Name: TIME WARNER CABLE INC
 Owner Address: 290 HARBOR DR
 Owner City,St,Zip: STAMFORD, CT 06902
 Owner Phone: (203) 351-2056
 Tank ID: 1
 Tank capacity: 9999
 Comment: Not reported
 Date installed: 01/01/64
 Date removed: 07/23/97
Status: Permanent Closed
 Tank product: Diesel, Diesel Mixture
 Product Type: NON
 Tank material: Unknown
 Interior Protection: Unknown
 Exterior Protection: Unknown
 Piping material: Unknown
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported

Actual:
34 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

THE RAPAIR CENTER (Continued)

U003146269

Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

**AK182
 SE
 > 1
 19530 ft.**

**WRIGHTSBORO VOL FIRE DEPT
 3525 N. KERR AVENUE
 WILMINGTON, NC**

**LUST TRUST S105218091
 N/A**

Site 1 of 4 in cluster AK

**Relative:
 Higher**

LUST TRUST:
 Facility ID: Not reported
 Site ID: 6285
 Site Note: Not reported
 Site Eligible?: True
 Commercial Find: 100% Non-Commercial
 Priority Rank: High
 Deductable Amount: 0
 3rd Party Deductable Amt: 0
 Sum 3rd Party Amt Applied: 0

**Actual:
 34 ft.**

[Click this hyperlink](#) while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WRIGHTSBORO VOL. FIRE DEPT (Continued)

U001199285

Error Flag: 0
Error Code: Not reported Valid: No
Last Modified: Not reported
Incident Phase: Response
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported
Comments: NFA

UST:

Facility ID: 0-020404
Region: 08
Facility Telephone: (919) 763-7094
Last Update: 10/04/90
Owner Name: WRIGHTSBORO VOL. FIRE DEPT
Owner Address: 3515 N KERR AVE.
Owner City,St,Zip: WILMINGTON, NC 28405
Owner Phone: (919) 763-7094
Tank ID: 1
Tank capacity: 280
Comment: Not reported
Date installed: 04/30/76
Date removed: / /
Status: Currently In Use
Tank product: Fuel Oil
Product Type: HEA
Tank material: Steel
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: 34.29020
Latitude 1: 34 17 24.67
Longitude: -77.90310
Longitude 1: 77 54 11.01
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WRIGHTSBORO VOL. FIRE DEPT (Continued)

U001199285

Corrosion Piping:	Not reported
Overfill:	Not reported
Compartment Tank:	No
Main Tank:	No
Tank ID Number:	Not reported
Corrosion Protection Tank Date:	/ /
Corrosion Protection Piping Date:	/ /
Spill Overfill Date:	/ /
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Tank Last Used Date:	/ /
Tank Certified Number:	Not reported
Date Last Certified:	/ /
Begin Certified Number:	/ /
End Certified Number:	/ /
Facility ID:	0-020404
Region:	08
Facility Telephone:	(919) 763-7094
Last Update:	10/04/90
Owner Name:	WRIGHTSBORO VOL. FIRE DEPT
Owner Address:	3515 N KERR AVE.
Owner City,St,Zip:	WILMINGTON, NC 28405
Owner Phone:	(919) 763-7094
Tank ID:	2
Tank capacity:	1000
Comment:	Not reported
Date installed:	04/28/85
Date removed:	01/31/91
Status:	Permanent Closed
Tank product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank material:	Steel
Interior Protection:	Unknown
Exterior Protection:	Paint
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Financial Responsibility:	Not reported
Latitude:	34.29020
Latitude 1:	34 17 24.67
Longitude:	-77.90310
Longitude 1:	77 54 11.01
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WRIGHTSBORO VOL. FIRE DEPT (Continued)

U001199285

Overfill:	Not reported
Compartment Tank:	No
Main Tank:	No
Tank ID Number:	Not reported
Corrosion Protection Tank Date:	/ /
Corrosion Protection Piping Date:	/ /
Spill Overfill Date:	/ /
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Tank Last Used Date:	/ /
Tank Certified Number:	Not reported
Date Last Certified:	/ /
Begin Certified Number:	/ /
End Certified Number:	/ /
Facility ID:	0-020404
Region:	08
Facility Telephone:	(919) 763-7094
Last Update:	10/04/90
Owner Name:	WRIGHTSBORO VOL. FIRE DEPT
Owner Address:	3515 N KERR AVE.
Owner City,St,Zip:	WILMINGTON, NC 28405
Owner Phone:	(919) 763-7094
Tank ID:	3
Tank capacity:	1000
Comment:	Not reported
Date installed:	04/28/85
Date removed:	01/31/91
Status:	Permanent Closed
Tank product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank material:	Steel
Interior Protection:	Unknown
Exterior Protection:	Paint
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Financial Responsibility:	Not reported
Latitude:	34.29020
Latitude 1:	34 17 24.67
Longitude:	-77.90310
Longitude 1:	77 54 11.01
GPS String Confirmed:	No
Initials of Individual Confirming GPS:	Not reported
Financial Responsibility Code:	Not reported
Financial Responsibility Description:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WRIGHTSBORO VOL. FIRE DEPT (Continued)

U001199285

Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

IMD:

Region: WIL
Facility ID: 6285
Date Occurred: 2/18/1991
Submit Date: 1/25/1991
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: UNDERGROUND HEATING OIL LINE SEVERED DURING EXCAVATION
Operator: MR. BILL IVEY, FIRE CHIEF
Contact Phone: Not reported
Owner Company: Not reported
Operator Address: 3515 N. KERR AVENUE
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC 28401-
Ownership: Private
Operation: Public Service
Material: FUEL OIL #2
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Residential
Risk Site: H
Site Priority: 130B
Priority Code: H
Priority Update: 10/9/1998
Dem Contact: BAR
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.28777777
Longitude: -77.92027777
Latitude Number: 341716
Longitude Number: 775513
Latitude Decimal: 34.2877777777778
Longitude Decimal: 77.9202777777778
GPS: 7
Agency: DWM

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WRIGHTSBORO VOL. FIRE DEPT (Continued)

U001199285

Facility ID: 6285
 Last Modified: Not reported
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**AI185
 SSW
 > 1
 19580 ft.**

**FREDERICKSON MOTOR EXPRESS CO
 FREDERICKSON ROAD
 WILMINGTON, NC 28405**

**UST U001199250
 N/A**

Site 2 of 2 in cluster AI

**Relative:
 Lower**

UST:
 Facility ID: 0-020293
 Region: 08
 Facility Telephone: (919) 763-0129
 Last Update: 05/14/96
 Owner Name: FREDRICKSON MOTOR EXPRESS CORP.
 Owner Address: 3400 NORTH GRAHAM STREET
 Owner City,St,Zip: CHARLOTTE, NC 28206
 Owner Phone: (704) 376-2471
 Tank ID: 1
 Tank capacity: 10000
 Comment: Not reported
 Date installed: 04/29/80
 Date removed: 04/27/98
Status: Permanent Closed
 Tank product: Diesel, Diesel Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: Cathodic Protection
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported

**Actual:
 14 ft.**

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

FREDERICKSON MOTOR EXPRESS CO (Continued)

U001199250

Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 1997051570
 Date Last Certified: 01/04/97
 Begin Certified Number: 01/04/97
 End Certified Number: / /

**AK186
 SE
 > 1
 19580 ft.**

**PEARL S SEAFOOD RESTAURANT
 3500 NORTH KERR AVENUE
 WILMINGTON, NC 28405**

**FINDS 1007715111
 110018717183**

Site 4 of 4 in cluster AK

**Relative:
 Higher**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 32 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

**AJ187
 SSE
 > 1
 19615 ft.**

**SEEGARS FENCE CO. INC-WILMING
 2705 BLUE CLAY ROAD
 WILMINGTON, NC 28405**

**FINDS 1007713219
 110018698202**

Site 2 of 4 in cluster AJ

**Relative:
 Higher**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 34 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AJ188
SSE
> 1
19615 ft.

SEEGARS FENCE CO.
2705 BLUE CLAY RD.
WILMINGTON, NC

LUST **S105765998**
IMD **N/A**

Site 3 of 4 in cluster AJ

Relative:
Higher

LUST:

Actual:
34 ft.

Facility ID:	0-022133	UST Number:	WI-1104
Incident Number:	11522	Lat/Long Decimal:	0 0
Lat/Long:	341625 775513		
Testlat:	Not reported		
Regional Officer Project Mgr:	SAK		
Region:	Wilmington		
Company:	SEEGERS FENCE CO.		
Contact Person:	MS. CINDY BOSSI		
Telephone:	Not reported		
RP Address:	2005 BLUE CLAY RD.		
RP City,St,Zip:	WILMINGTON, NC 28406-		
RP County:	Not reported		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	H		
Risk Class Based On Review:	L		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Not reported		
Tank Regulated Status:	R		
Contamination Type:	Soil		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	12/13/1993	Date Occur:	11/15/1993
NOV Issue Date:	Not reported	NORR Issue Date:	Not reported
Site Priority:	80B	Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported	Land Use:	Not reported
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	9/30/1999		
MTBE:	Not reported	MTBE1:	Unknown
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	Not reported	Cleanup:	Not reported
Current Status:	File Located in Archives	RBCA GW:	Not reported
PETOPT:	Not reported	RPL:	No
CD Num:	143	Reel Num:	3911
RPOW:	No	RPOP:	No
Error Flag:	0	Valid:	No
Error Code:	Not reported		
Last Modified:	5/3/2001		
Incident Phase:	Closed Out		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	9/30/1999		
Comments:	WAITING FOR PIRF, REMOVED CONTAMINATION, NFA		

IMD:

Region: WIL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SEEGARS FENCE CO. (Continued)

S105765998

Facility ID: 11522
Date Occurred: 11/15/1993
Submit Date: 1/25/1994
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: SOIL SAMPLES CONFIRMED MINOR SOIL CONTAM. UPON REMOVAL OF UST.
Operator: MS. CINDY BOSSI
Contact Phone: Not reported
Owner Company: SEEGERS FENCE CO.
Operator Address: 2005 BLUE CLAY RD.
Operator City: WILMINGTON
Oper City, St, Zip: WILMINGTON, NC 28406-
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Risk Site: H
Site Priority: 80B
Priority Code: B
Priority Update: Not reported
Dem Contact: SAK
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.27361111
Longitude: -77.92027777
Latitude Number: 341625
Longitude Number: 775513
Latitude Decimal: 34.27361111111111
Longitude Decimal: 77.92027777777778
GPS: NOD
Agency: DWM
Facility ID: 11522
Last Modified: 5/3/2001
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 9/30/1999

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AJ189
 SSE
 > 1
 19615 ft.

SEEGARS FENCE CO. INC-WILMING
 2705 BLUE CLAY ROAD
 WILMINGTON, NC 28405

UST U003137601
 N/A

Site 4 of 4 in cluster AJ

Relative:
 Higher

UST:

Actual:
 34 ft.

Facility ID: 0-022133
 Region: 08
 Facility Telephone: (919) 343-8246
 Last Update: 01/24/91
 Owner Name: SEEGARS FENCE CO. INC-WILMINGTON
 Owner Address: PO BOX 7006
 Owner City,St,Zip: WILMINGTON, NC 28406
 Owner Phone: (919) 343-8246
 Tank ID: 1
 Tank capacity: 1000
 Comment: Not reported
 Date installed: 04/22/83
 Date removed: 11/15/93
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: Unknown
 Exterior Protection: Unknown
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CAROLINA POWER AND LIGHT L V SUTTON PLANT (Continued)

1009924846

EFA Enforcement Action Type: Civil Judicial Action
Facility County: NEW HANOVER
EPA Region #: 4

Program ID: Not reported
Facility Name: CAROLINA P & L CO ASHEVILLE STEAM ELEC PLT
Address: LONG SHOALS RD/NC HWY 280 W SKYLAND NC 28776
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: AIRS/AFS 3712900036
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: CAMDBS 2713
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: CERCLIS NCD000830646
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: FRS 110000350174
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: No
Fed Facility: No
NAIC Code: Not reported
SIC Code: 4911

Program ID: NC-FITS 3252
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NEI NEI44627
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CAROLINA POWER AND LIGHT L V SUTTON PLANT (Continued)

1009924846

NAIC Code: Not reported
SIC Code: 4911

Program ID: NEI NTI44627
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NET 371290036
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NTI NTI44627
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: PCS NC0001422
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: RCRAINFO NCD000830646
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: TRIS 28401LVSTT801SU
Facility Name: CAROLINA POWER AND LIGHT L V SUTTON PLANT
Address: 801 SUTTON STEAM PLANT ROAD WILMINGTON NC 284018357
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: AIRS/AFS 3715500147
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CAROLINA POWER AND LIGHT L V SUTTON PLANT (Continued)

1009924846

SIC Code: 4911

Program ID: CAMDBS 2716
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: FRS 110000350049
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: No
Fed Facility: No
NAIC Code: Not reported
SIC Code: 4911

Program ID: NC-FITS 1494
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NC-FITS 30624
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NEI NEI46203
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NEI NTI46203
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NET 371550147
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CAROLINA POWER AND LIGHT L V SUTTON PLANT (Continued)

1009924846

Program ID: NTI NTI46203
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: PCS NC0005363
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: RCRAINFO NCD000830620
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: TRIS 28358WHWTH491PO
Facility Name: CAROLINA POWER AND LIGHT W H WEATHERSPOON PLANT
Address: 491 POWER PLANT ROAD LUMBERTON NC 28358
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: AIRS/AFS 3703700063
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: CAMDBS 2708
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: FRS 110000586349
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: No
NAIC Code: Not reported
SIC Code: 4911

Program ID: NCDB D04#TSCAIV-95-P1004

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CAROLINA POWER AND LIGHT L V SUTTON PLANT (Continued)

1009924846

Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NC-FITS 506
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NEI NEI44991
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NEI NTI44991
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NET 370370063
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NTI NTI44991
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: PCS NC0003433
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: RCRAINFO NCD000830919
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CAROLINA POWER AND LIGHT L V SUTTON PLANT (Continued)

1009924846

Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: TRIS 27559CPFRS500CP
Facility Name: PROGRESS ENERGY CAROLINAS CAPE FEAR STEAM ELECTRIC PLANT
Address: 500 CP&L ROAD MONCURE NC 27559
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: AIRS/AFS 3719100017
Facility Name: PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address: 1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: CAMDBS 2709
Facility Name: PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address: 1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: FRS 110000496552
Facility Name: PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address: 1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator: No
Fed Facility: No
NAIC Code: Not reported
SIC Code: 4911

Program ID: NC-FITS 3206
Facility Name: PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address: 1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NEI NEI45978
Facility Name: PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address: 1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator: Not reported
Fed Facility: Not reported
NAIC Code: Not reported
SIC Code: 4911

Program ID: NEI NTI45978
Facility Name: PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address: 1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CAROLINA POWER AND LIGHT L V SUTTON PLANT (Continued)

1009924846

Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	NET 371910017
Facility Name:	PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address:	1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	NTI NTI45978
Facility Name:	PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address:	1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	PCS NC0003417
Facility Name:	PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address:	1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	RBLC 24798
Facility Name:	PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address:	1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	RCRAINFO NCD000830661
Facility Name:	PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address:	1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	TRIS 27530HFLST16770
Facility Name:	PROGRESS ENERGY H F LEE STEAM ELECTRIC PLANT
Address:	1677 OLD SMITHFIELD ROAD GOLDSBORO NC 275309434
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	AIRS/AFS 3714500029
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CAROLINA POWER AND LIGHT L V SUTTON PLANT (Continued)

1009924846

Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	CAMDBS 2712
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	FRS 110000346386
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	No
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	NC-FITS 11920
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	NC-FITS 4185
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	NEI NEI45020
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	NEI NTI45020
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	NET 371450029
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CAROLINA POWER AND LIGHT L V SUTTON PLANT (Continued)

EDR ID Number
 EPA ID Number

Database(s)

NAIC Code:	Not reported
SIC Code:	4911
Program ID:	NTI NTI45020
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	PCS NC0003425
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	RCRAINFO NCD000830653
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	RMP 100000176123
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911
Program ID:	TRIS 27343RXBRS1700D
Facility Name:	ROXBORO STEAM ELECTRIC PLANT
Address:	1700 DUNNAWAY RD. SEMORA NC 273439058
Tr bal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4911

1009924846

**AL195
 SSW
 > 1
 19711 ft.**

**PROGRESS ENERGY- L V SUTTON PLT
 801 SUTTON STEAM PLANT RD
 WILMINGTON, NC 28401**

**CERCLIS 1000448913
 RCRA-SQG NCD000830646
 FINDS
 PA MANIFEST**

Site 6 of 8 in cluster AL

**Relative:
 Higher**

CERCLIS:	
Site ID:	0402580
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	Not reported

**Actual:
 25 ft.**

CERCLIS Site Contact Name(s):

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PROGRESS ENERGY- L V SUTTON PLT (Continued)

1000448913

Contact Name: Phil Vorsatz
Contact Tel: (404) 562-8789
Contact Title: Remedial Project Manager (RPM)

Contact Name: JON BORNHOLM
Contact Tel: (404) 562-8820
Contact Title: Remedial Project Manager (RPM)

Contact Name: Luis Flores
Contact Tel: (404) 562-8807
Contact Title: Remedial Project Manager (RPM)

Contact Name: KEN MALLARY
Contact Tel: (404) 562-8802
Contact Title: Remedial Project Manager (RPM)

Contact Name: MICHAEL TOWNSEND
Contact Tel: (404) 562-8813
Contact Title: Remedial Project Manager (RPM)

Contact Name: SAMANTHA URQUHART F
Contact Tel: (404) 562-8760
Contact Title: Remedial Project Manager (RPM)

Contact Name: KEN LUCAS
Contact Tel: (404) 562-8953
Contact Title: Remedial Project Manager (RPM)

Contact Name: Jennifer Wendel
Contact Tel: (404) 562-8799
Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):
Alias Name: CAROLINA P&L CO SUTTON STEAM ELEC PLT
Alias Address: Not reported
NEW HANOVER, NC
Site Description: Not reported

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 08/01/1980
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 03/27/1985
Priority Level: Low

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 09/28/1992
Priority Level: Low

Action: EXPANDED SITE INSPECTION
Date Started: 06/09/1998
Date Completed: 02/09/2000

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PROGRESS ENERGY- L V SUTTON PLT (Continued)

1000448913

Priority Level: Recommended for HRS Scoring
 Action: SITE REASSESSMENT
 Date Started: Not reported
 Date Completed: 07/31/2006
 Priority Level: NFRAP (No Further Remedial Action Planned)

RCRAInfo:

Owner: CP&L
 (910) 343-9677
 EPA ID: NCD000830646
 Contact: KENT TYNDALL
 (910) 343-3244

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.34(d)(4)&(d)(2)
 Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
 Date Violation Determined: 01/21/1993
 Actual Date Achieved Compliance: 02/15/1993

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 01/21/1993
 Penalty Type: Not reported

Regulation Violated: 262.34(d)(4)(2)
 Area of Violation: GENERATOR-GENERAL REQUIREMENTS
 Date Violation Determined: 01/21/1993
 Actual Date Achieved Compliance: 02/15/1993

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 01/21/1993
 Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Schedule Evaluation	GENERATOR-GENERAL REQUIREMENTS	19930215
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19930215
	GENERATOR-GENERAL REQUIREMENTS	19930215

FINDS:

Other Pertinent Environmental Activity Identified at Site

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

PROGRESS ENERGY- L V SUTTON PLT (Continued)

1000448913

EGRID

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

CAMDBS (Clean Air Markets Division Business System) is a national information system that supports the implementation of market-based air pollution control programs administered by the Clean Air Markets Division, within the Office of Air and Radiation. These programs include the Acid Rain Program, established by Title IV of the Clean Air Act Amendments of 1990, and regional programs designed reduce the transport of ozone. These emissions trading programs allows regulated facilities (primarily electric utilities) to adopt the most cost-effective strategies to reduce emissions at their units. Units that reduce their emissions below the number of allowances they hold -- each allowance is equivalent to one ton of sulfur dioxide or nitrogen oxides -- may trade allowances with other units in their system, sell them to other utilities on the open market or through EPA auctions, or bank them to cover emissions in future years. CAMDBS functions include registering responsible officials, establishing allowance accounts, reporting hourly emissions data, and transferring allowances between accounts.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PROGRESS ENERGY- L V SUTTON PLT (Continued)

1000448913

PA MANIFEST:

Manifest Number: PAG389892
Manifest Type: T
Generator Epa Id: NCD000830646
Generator Date: 12/07/2004
Mailing Address: 801 SUTTON STEAM PLANT RD
Mailing City,St,Zip: WILMINGTON, NC 28401
Contact Name: JOHN STOVER
Contact Phone: 910-343-9677
TSD Epa Id: PAD085690592
TSD Date: 12/16/2004
TSD Facility Name: REPUBLIC ENVIRONMENTAL SYSTEMS
TSD Facility Address: 2869 SANDSTONE DR
TSD Facility City: HATFIELD
TSD Facility State: PA
Page Number: 1.00000
Line Number: 1.00000
Waste Number: D001
Container Number: 1.00000
Container Type: DM
Waste Quantity: 86.00000
Unit: P
Handling Code: Not reported
Tsp Epa Id: NC0000942144
Date Tsp Sig: 12/07/2004

Manifest Number: PAG389892
Manifest Type: T
Generator Epa Id: NCD000830646
Generator Date: 12/07/2004
Mailing Address: 801 SUTTON STEAM PLANT RD
Mailing City,St,Zip: WILMINGTON, NC 28401
Contact Name: JOHN STOVER
Contact Phone: 910-343-9677
TSD Epa Id: PAD085690592
TSD Date: 12/16/2004
TSD Facility Name: REPUBLIC ENVIRONMENTAL SYSTEMS
TSD Facility Address: 2869 SANDSTONE DR
TSD Facility City: HATFIELD
TSD Facility State: PA
Page Number: 1.00000
Line Number: 1.00000
Waste Number: D001
Container Number: 1.00000
Container Type: DM
Waste Quantity: 86.00000
Unit: P
Handling Code: Not reported
Tsp Epa Id: PAD982661381
Date Tsp Sig: 12/16/2004

Manifest Number: PAG389892
Manifest Type: T
Generator Epa Id: NCD000830646
Generator Date: 12/07/2004
Mailing Address: 801 SUTTON STEAM PLANT RD
Mailing City,St,Zip: WILMINGTON, NC 28401

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PROGRESS ENERGY- L V SUTTON PLT (Continued)

1000448913

Contact Name: JOHN STOVER
Contact Phone: 910-343-9677
TSD Epa Id: PAD085690592
TSD Date: 12/16/2004
TSD Facility Name: REPUBLIC ENVIRONMENTAL SYSTEMS
TSD Facility Address: 2869 SANDSTONE DR
TSD Facility City: HATFIELD
TSD Facility State: PA
Page Number: 1.00000
Line Number: 1.00000
Waste Number: D007
Container Number: 1.00000
Container Type: DM
Waste Quantity: 86.00000
Unit: P
Handling Code: Not reported
Tsp Epa Id: NC0000942144
Date Tsp Sig: 12/07/2004

Manifest Number: PAG389892
Manifest Type: T
Generator Epa Id: NCD000830646
Generator Date: 12/07/2004
Mailing Address: 801 SUTTON STEAM PLANT RD
Mailing City,St,Zip: WILMINGTON, NC 28401
Contact Name: JOHN STOVER
Contact Phone: 910-343-9677
TSD Epa Id: PAD085690592
TSD Date: 12/16/2004
TSD Facility Name: REPUBLIC ENVIRONMENTAL SYSTEMS
TSD Facility Address: 2869 SANDSTONE DR
TSD Facility City: HATFIELD
TSD Facility State: PA
Page Number: 1.00000
Line Number: 1.00000
Waste Number: D007
Container Number: 1.00000
Container Type: DM
Waste Quantity: 86.00000
Unit: P
Handling Code: Not reported
Tsp Epa Id: PAD982661381
Date Tsp Sig: 12/16/2004

Manifest Number: PAG389892
Manifest Type: T
Generator Epa Id: NCD000830646
Generator Date: 12/07/2004
Mailing Address: 801 SUTTON STEAM PLANT RD
Mailing City,St,Zip: WILMINGTON, NC 28401
Contact Name: JOHN STOVER
Contact Phone: 910-343-9677
TSD Epa Id: PAD085690592
TSD Date: 12/16/2004
TSD Facility Name: REPUBLIC ENVIRONMENTAL SYSTEMS
TSD Facility Address: 2869 SANDSTONE DR
TSD Facility City: HATFIELD

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PROGRESS ENERGY- L V SUTTON PLT (Continued)

1000448913

TSD Facility State: PA
Page Number: 1.00000
Line Number: 1.00000
Waste Number: D008
Container Number: 1.00000
Container Type: DM
Waste Quantity: 86.00000
Unit: P
Handling Code: Not reported
Tsp Epa Id: NC0000942144
Date Tsp Sig: 12/07/2004

Manifest Number: PAG389892
Manifest Type: T
Generator Epa Id: NCD000830646
Generator Date: 12/07/2004
Mailing Address: 801 SUTTON STEAM PLANT RD
Mailing City,St,Zip: WILMINGTON, NC 28401
Contact Name: JOHN STOVER
Contact Phone: 910-343-9677
TSD Epa Id: PAD085690592
TSD Date: 12/16/2004
TSD Facility Name: REPUBLIC ENVIRONMENTAL SYSTEMS
TSD Facility Address: 2869 SANDSTONE DR
TSD Facility City: HATFIELD
TSD Facility State: PA
Page Number: 1.00000
Line Number: 1.00000
Waste Number: D008
Container Number: 1.00000
Container Type: DM
Waste Quantity: 86.00000
Unit: P
Handling Code: Not reported
Tsp Epa Id: PAD982661381
Date Tsp Sig: 12/16/2004

Manifest Number: PAG389892
Manifest Type: T
Generator Epa Id: NCD000830646
Generator Date: 12/07/2004
Mailing Address: 801 SUTTON STEAM PLANT RD
Mailing City,St,Zip: WILMINGTON, NC 28401
Contact Name: JOHN STOVER
Contact Phone: 910-343-9677
TSD Epa Id: PAD085690592
TSD Date: 12/16/2004
TSD Facility Name: REPUBLIC ENVIRONMENTAL SYSTEMS
TSD Facility Address: 2869 SANDSTONE DR
TSD Facility City: HATFIELD
TSD Facility State: PA
Page Number: 1.00000
Line Number: 1.00000
Waste Number: D019
Container Number: 1.00000
Container Type: DM
Waste Quantity: 86.00000

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

PROGRESS ENERGY- L V SUTTON PLT (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000448913

Unit:	P
Handling Code:	Not reported
Tsp Epa Id:	NC0000942144
Date Tsp Sig:	12/07/2004
Manifest Number:	PAG389892
Manifest Type:	T
Generator Epa Id:	NCD000830646
Generator Date:	12/07/2004
Mailing Address:	801 SUTTON STEAM PLANT RD
Mailing City,St,Zip:	WILMINGTON, NC 28401
Contact Name:	JOHN STOVER
Contact Phone:	910-343-9677
TSD Epa Id:	PAD085690592
TSD Date:	12/16/2004
TSD Facility Name:	REPUBLIC ENVIRONMENTAL SYSTEMS
TSD Facility Address:	2869 SANDSTONE DR
TSD Facility City:	HATFIELD
TSD Facility State:	PA
Page Number:	1.00000
Line Number:	1.00000
Waste Number:	D019
Container Number:	1.00000
Container Type:	DM
Waste Quantity:	86.00000
Unit:	P
Handling Code:	Not reported
Tsp Epa Id:	PAD982661381
Date Tsp Sig:	12/16/2004

AL196
SSW
> 1
19711 ft.

SUTTON STEAM ELECTRIC PLANT
801 SUTTON STEAM PLANT RD
WILMINGTON, NC 28401

NPDES S108281120
N/A

Site 7 of 8 in cluster AL

Relative:
Higher

NC NPDES:	
Permit Number:	NC0001422
Facility Address 2:	Not reported
Issue Date:	06-30-1977
Region:	Wilmington
Owner Name:	Progress Energy Carolinas Inc
Permit Type:	Industrial Process & Commercial Wastewater Discharge
As-Built Flow (GPD):	0
Domestic %:	50
Industrial %:	50
Stormwater %:	0

Actual:
25 ft.

NPDES REQUEST:

Permit:	NC0001422
Organization Name:	Progress Energy Carolinas Inc
As Built Flow Qty GPD:	0
Permitted Flow Qty GPD:	0
Domestic PCT:	50
Stormwater PCT:	0
Industrial PCT:	50
Admin Region Name:	Wilmington
Permit Type Desc:	Industrial Process & Commercial Wastewater Discharge

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SUTTON STEAM ELECTRIC PLANT (Continued)

S108281120

Permit Status Desc: Active
 Program Category: NPDES WW
 Project Type Desc: Renewal
 Is Major: Major

**AM197
 SE
 > 1
 19852 ft.**

**TIDEWATER FUELS INC
 100 EXPORT LN PO BOX 447
 WILMINGTON, NC 28402**

**UST U001205533
 IMD N/A**

Site 1 of 3 in cluster AM

**Relative:
 Higher
 Actual:
 28 ft.**

UST:
 Facility ID: 0-030857
 Region: 08
 Facility Telephone: (800) 648-6343
 Last Update: 06/12/89
 Owner Name: TIDEWATER FUELS INC LLOYD KAYLOR
 Owner Address: 100 EXPORT LN PO BOX 447
 Owner City,St,Zip: WILMINGTON, NC 28402
 Owner Phone: (800) 648-6343
 Tank ID: 1
 Tank capacity: 2000
 Comment: Not reported
 Date installed: 01/01/64
 Date removed: 06/30/90
Status: Permanent Closed
 Tank product: Oil, New/Used/Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: Unknown
 Exterior Protection: Unknown
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

TIDEWATER FUELS INC (Continued)

U001205533

Corrosion Protection Tank Date: //
Corrosion Protection Piping Date: //
Spill Overfill Date: //
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: //
Tank Certified Number: Not reported
Date Last Certified: //
Begin Certified Number: //
End Certified Number: //

IMD:

Region: WIL
Facility ID: 11141
Date Occurred: 4/14/1989
Submit Date: 10/28/1993
GW Contam: Not reported
Soil Contam: Not reported
Incident Desc: A COMPLAINT INVESTIGATION REVEALED THAT PETROLEUM CONTAMINATED SOIL WAS PRESENT AROUND THE BASE OF SOME ABOVE-GROUND STORAGE TANKS.
Operator: LLOYD KAYLOR
Contact Phone: Not reported
Owner Company: TIDEWATER FUELS
Operator Address: 100 EXPORT LANE
Operator City: WILMINGTON
Oper City,St,Zip: WILMINGTON, NC 28401
Ownership: Private
Operation: Commercial
Material: DIESEL FUEL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Dredge Spoil
Type: Gasoline/diesel
Location: Facility
Setting: Rural
Risk Site: Not reported
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: Not reported
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.2904
Longitude: -77.9065
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: CALC
Agency: Not reported
Facility ID: 11141
Last Modified: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Database(s)
 EDR ID Number
 EPA ID Number

TIDEWATER FUELS INC (Continued)

U001205533

Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**AM198
 SE
 > 1
 19852 ft.**

**HILCO TRANSPORT INC
 100 EXPORT LANE
 WILMINGTON, NC 28405**

**RCRA-SQG 1004747363
 FINDS NCS000000143**

Site 2 of 3 in cluster AM

**Relative:
 Higher**

RCRAInfo:
 Owner: HILCO TRANSPORT INC
 (910) 762-9687
 EPA ID: NCS000000143

**Actual:
 28 ft.**

Contact: Not reported
 Classification: Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**AM199
 SE
 > 1
 19856 ft.**

**TIDEWATER FUELS INCORPORATED
 100 EXPORT LANE P.O. BOX 447
 WILMINGTON, NC 28402**

**FINDS 1007706387
 110018629803**

Site 3 of 3 in cluster AM

**Relative:
 Higher**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 28 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TIDEWATER FUELS INCORPORATED (Continued)

1007706387

comprehensive information about environmental regulated entities in the state of North Carolina.

**200
 NNE
 > 1
 19991 ft.**

**JOHN MILLER CONSTRUCTION SITE
 3 SOUTHPPOINT ROAD
 ROCKY POINT, NC**

**IMD S105912290
 N/A**

**Relative:
 Lower**

IMD:

**Actual:
 20 ft.**

Region: WIL
 Facility ID: 85515
 Date Occurred: 10/5/1992
 Submit Date: 2/9/2001
 GW Contam: No Groundwater Contamination detected
 Soil Contam: Not reported
 Incident Desc: SOIL CONT. WAS MINIMAL. REMOVED BY PROPERTY OWNER
 Operator: MILLER, JOHN
 Contact Phone: 910 675 0955
 Owner Company: JOHN MILLER CONSTRUCTION CO.
 Operator Address: PO BOX 770
 Operator City: CASTLE HAYNE
 Oper City,St,Zip: CASTLE HAYNE 910 675 0955
 Ownership: Federal
 Operation: 8
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Spill-surface
 Type: Other inorganics
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: E
 Priority Update: Not reported
 Dem Contact: JAD
 Wells Affected: No
 Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 85515
 Last Modified: 6/6/2003
 Incident Phase: Closed Out
 NOV Issued: 11/9/1992

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

JOHN MILLER CONSTRUCTION SITE (Continued)

S105912290

NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**201
 NE
 > 1
 20087 ft.**

**CREEKSIDE ESTATES MHP WATER SYS
 264 GOOSE NECK ROAD, W
 ROCKY POINT, NC 28457**

**ICIS 1009939989
 N/A**

**Relative:
 Higher**

ICIS:

**Actual:
 25 ft.**

EFA Enforcement Action ID: 04-2000-0587
 FRS ID: 110010770308
 Program ID: FRS 110010770308
 Action Name: CREEKSIDE ESTATES MHP WATER SYSTEM
 Facility Name: CREEKSIDE ESTATES MHP WATER SYS
 Facility Address: 264 GOOSE NECK ROAD, W
 ROCKY POINT, North Carolina 28457
 EFA Enforcement Action Type: SDWA 1414G2 AO For Compliance (PWS)
 Facility County: PENDER
 EPA Region #: 4

 Program ID: FRS 110010770308
 Facility Name: CREEKSIDE ESTATES MHP WATER SYS
 Address: 264 GOOSE NECK ROAD, W ROCKY POINT NC 28457
 Tribal Indicator: Not reported
 Fed Facility: Not reported
 NAIC Code: Not reported
 SIC Code: 4941

**AN202
 SSE
 > 1
 20234 ft.**

**TOLEDO CAROLINA INC
 PO BOX 1763
 WILMINGTON, NC 28402**

**UST U001199425
 N/A**

**Relative:
 Higher**

Site 1 of 2 in cluster AN

UST:

**Actual:
 34 ft.**

Facility ID: 0-020695
 Region: 08
 Facility Telephone: (919) 762-8312
 Last Update: 11/05/90
 Owner Name: TOLEDO CAROLINA INC
 Owner Address: PO BOX 1763
 Owner City,St,Zip: WILMINGTON, NC 28402
 Owner Phone: (919) 762-8312
 Tank ID: 1
 Tank capacity: 1000
 Comment: TANK CLOSED
 Date installed: 04/25/78

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

TOLEDO CAROLINA INC (Continued)

U001199425

Date removed: 12/31/86
Status: Permanent Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NIU
 Tank material: Steel
 Interior Protection: Unknown
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: 12/31/86
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

AL203
 SSW
 > 1
 20272 ft.

L.V. SUTTON PLANT
ROUTE 6, BOX 46 / HIGHWAY 421 N.
WILMINGTON, NC 28405

UST U001200554
N/A

Site 8 of 8 in cluster AL

Relative:
 Lower

UST:
 Facility ID: 0-022623
 Region: 08
 Facility Telephone: (919) 343-9677
 Last Update: 06/08/89
 Owner Name: CP&L CUSTOMER SERVICE CNTR
 Owner Address: 160 RUSH STREET
 Owner City,St,Zip: RALEIGH, NC 27610

Actual:
 20 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

L.V. SUTTON PLANT (Continued)

U001200554

Owner Phone: (919) 836-6920
Tank ID: 1
Tank capacity: 3000
Comment: Not reported
Date installed: 05/15/56
Date removed: 01/13/88
Status: Permanent Closed
Tank product: Gasoline, Gasoline Mixture
Product Type: NON
Tank material: Unknown
Interior Protection: Unknown
Exterior Protection: Unknown
Piping material: Unknown
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Financial Responsibility: Not reported
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: Not reported
Financial Responsibility Description: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: / /
Corrosion Protection Piping Date: / /
Spill Overfill Date: / /
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: Not reported
Date Last Certified: / /
Begin Certified Number: / /
End Certified Number: / /

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

204
 ESE
 > 1
 20313 ft.

PANTRY #450
3702 HWY 132 N.
WILMINGTON, NC

LUST **S104483276**
LUST TRUST **N/A**
IMD

Relative:
Higher

LUST:

Actual:
29 ft.

Facility ID:	028946	UST Number:	WI-1819
Incident Number:	21427	Lat/Long Decimal:	34.289807587 77.871233715
Lat/Long:	34.289807587 77.871233715	Testlat:	Not reported
Regional Officer Project Mgr:	SAK	Region:	Wilmington
Company:	THE PANTRY, INC.	Contact Person:	MS. RENEE THOMAS
Telephone:	9197746700	RP Address:	P.O. BOX 1410
RP City,St,Zip:	SANFORD, NC 27331-1410	RP County:	Not reported
Comm / Non-comm UST Site:	COMMERCIAL	Risk Classification:	H
Risk Class Based On Review:	H	Corrective Action Plan Type:	monitoring only
Level Of Soil Cleanup Achieved:	Residential	Tank Regulated Status:	R
Contamination Type:	Groundwater/Both	Source Type:	Leak-underground
Date Reported:	2/2/2000	Product Type:	PETROLEUM
NOV Issue Date:	Not reported	Date Occur:	12/8/1999
Site Priority:	Not reported	NORR Issue Date:	3/17/2000
Site Risk Reason:	Not reported	Phase Of LSA Req:	Not reported
Closure Request:	Not reported	Land Use:	Residential
Close Out:	Not reported	# Of Supply Wells:	0
MTBE:	Not reported	MTBE1:	Yes
Flag:	No	Flag1:	No
LUR Filed:	Not reported	Release Detection:	0
GPS Confirmed:	3	Cleanup:	Not reported
Current Status:	File Located in House	RBCA GW:	Not reported
PETOPT:	3	RPL:	No
CD Num:	0	Reel Num:	0
RPOW:	No	RPOP:	No
Error Flag:	0	Valid:	No
Error Code:	Not reported		
Last Modified:	Not reported		
Incident Phase:	Response		
NOV Issued:	Not reported		
NORR Issued:	Not reported		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		
Comments:	ASKED RP TO MONITOR FOR A WHILE, THEN WE WILL SEE IF CAP IS NECC. (9/00), CONTINUE MONITORING (11/00), sent taco for ust closure and mmpe back to consultant, will determine nest step, has low levels in two mw's, has wsw's in area but alt. H2O available but not sure it reaches all wsw' users, no requirement to hook up		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PANTRY #450 (Continued)

S104483276

LUST TRUST:

Facility ID: 028946
Site ID: 21427
Site Note: Not reported
Site Eligible?: True
Commercial Find: 100% Commercial
Priority Rank: Not reported
Deductable Amount: 20000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

[Click this hyperlink](#) while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

IMD:

Region: WIL
Facility ID: 21427
Date Occurred: 12/8/1999
Submit Date: 3/28/2000
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: SOIL AND GW SAMPLES CONFIRMED CONTAMINATION DURING UST CLOSURE.
Operator: MS. RENEE THOMAS
Contact Phone: 9197746700
Owner Company: THE PANTRY, INC.
Operator Address:P.O. BOX 1410
Operator City: SANFORD
Oper City,St,Zip: SANFORD, NC 27331-1410
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: H
Site Priority: Not reported
Priority Code: Not reported
Priority Update: 3/28/2000
Dem Contact: SAK
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.289807587
Longitude: -77.87123371
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: 3

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PANTRY #450 (Continued)

S104483276

Agency: DWM
 Facility ID: 21427
 Last Modified: Not reported
 Incident Phase: RE
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

**AO205
 SSE
 > 1
 20341 ft.**

**LGS LEONARD H LONG
 2217 CASTLE HAYNE RD
 WILMINGTON, NC 28401**

**UST U001200528
 N/A**

Site 1 of 2 in cluster AO

**Relative:
 Equal**

UST:

**Actual:
 24 ft.**

Facility ID: 0-022568
 Region: 08
 Facility Telephone: (919) 762-3743
 Last Update: 07/19/90
 Owner Name: LGS LEONARD H LONG
 Owner Address: 2217 CASTLE HAYNE RD
 Owner City,St,Zip: WILMINGTON, NC 28401
 Owner Phone: (919) 762-3743
 Tank ID: 1
 Tank capacity: 1000
 Comment: Not reported
 Date installed: 01/01/64
 Date removed: / /
Status: Temporary Closed
 Tank product: Gasoline, Gasoline Mixture
 Product Type: EXE
 Tank material: Steel
 Interior Protection: Unknown
 Exterior Protection: Paint
 Piping material: Steel
 Certify Type: Not reported
 Leak Detection Type: Not reported
 Leak Detection Piping 1: Not reported
 Corrosn Protec Tank: Not reported
 Corrosn Protec Pipe: Not reported
 Spill and Overfill: Not reported
 Financial Responsibility: Not reported
 Latitude: 34.28950
 Latitude 1: 34 17 22.25
 Longitude: -77.92100
 Longitude 1: 77 55 15.67
 GPS String Confirmed: No
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: Not reported
 Financial Responsibility Description: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LGS LEONARD H LONG (Continued)

U001200528

Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: Not reported
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: Not reported
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: / /
 Corrosion Protection Piping Date: / /
 Spill Overfill Date: / /
 Piping System Type Code: Not reported
 Piping System Type Description: Not reported
 Tank Last Used Date: 12/31/78
 Tank Certified Number: Not reported
 Date Last Certified: / /
 Begin Certified Number: / /
 End Certified Number: / /

**AO206
 SSE
 > 1
 20341 ft.**

**LGS LEONARD H LONG
 2217 CASTLE HAYNE ROAD
 WILMINGTON, NC 28401**

**FINDS 1007696417
 110018530026**

Site 2 of 2 in cluster AO

**Relative:
 Equal**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 24 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

**AP207
 ENE
 > 1
 20508 ft.**

**CASTLE HAYNE-DOT
 5430 BARBADOS BOULEVARD
 CASTLE HAYNE, NC 28429**

**FINDS 1007705918
 110018625120**

Site 1 of 2 in cluster AP

**Relative:
 Higher**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 27 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

AP208 NC DOT - CASTLE HAYNE
ENE 5430 BARBADOS BLVD
 > 1 CASTLE HAYNE, NC 28429
 20508 ft.

UST U003795184
 N/A

Relative:
Higher

Site 2 of 2 in cluster AP

Actual:
 27 ft.

UST:
 Facility ID: 0-036379
 Region: 08
 Facility Telephone: (910) 341-0500
 Last Update: 05/29/02
 Owner Name: NC DOT - EQUIPMENT UNIT
 Owner Address: 4809 BERYL ROAD
 Owner City,St,Zip: RALEIGH, NC 27606
 Owner Phone: (919) 733-2220
 Tank ID: 301-101
 Tank capacity: 15000
 Comment: Not reported
 Date installed: 01/06/01
 Date removed: / /
Status: Currently In Use
 Tank product: Gasoline, Gasoline Mixture
 Product Type: NON
 Tank material: Steel
 Interior Protection: None
 Exterior Protection: FRP
 Piping material: FRP
 Certify Type: Installation inspected and certified by a registered engineer
 Leak Detection Type: Automatic tank gauging
 Leak Detection Piping 1: Automatic line leak detectors
 Corrosn Protec Tank: Steel/FRP composite
 Corrosn Protec Pipe: FRP tank/piping
 Spill and Overfill: Catchment basins
 Financial Responsibility: SELF/STATE
 Latitude: .00000
 Latitude 1: Not reported
 Longitude: .00000
 Longitude 1: Not reported
 GPS String Confirmed: Not reported
 Initials of Individual Confirming GPS: Not reported
 Financial Responsibility Code: F
 Financial Responsibility Description: A
 Surface Water: Not reported
 Water Supply Well: Not reported
 Leak Detection Piping 2: I
 Leak Detection Type 2: Not reported
 Corrosion Protection Tank1: Not reported
 Corrosion Piping: Not reported
 Overfill: D
 Compartment Tank: No
 Main Tank: No
 Tank ID Number: Not reported
 Corrosion Protection Tank Date: 01/06/01
 Corrosion Protection Piping Date: 01/06/01
 Spill Overfill Date: 01/06/01
 Piping System Type Code: P
 Piping System Type Description: Not reported
 Tank Last Used Date: / /
 Tank Certified Number: 2006060320

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NC DOT - CASTLE HAYNE (Continued)

U003795184

Date Last Certified: 06/19/06
Begin Certified Number: 01/07/06
End Certified Number: / /

Facility ID: 0-036379
Region: 08
Facility Telephone: (910) 341-0500
Last Update: 05/29/02
Owner Name: NC DOT - EQUIPMENT UNIT
Owner Address: 4809 BERYL ROAD
Owner City,St,Zip: RALEIGH, NC 27606
Owner Phone: (919) 733-2220
Tank ID: 301-102
Tank capacity: 15000
Comment: Not reported
Date installed: 01/06/01
Date removed: / /

Status: Currently In Use

Tank product: Diesel, Diesel Mixture
Product Type: NON
Tank material: Steel
Interior Protection: None
Exterior Protection: FRP
Piping material: FRP
Certify Type: Installation inspected and certified by a registered engineer
Leak Detection Type: Automatic tank gauging
Leak Detection Piping 1: Automatic line leak detectors
Corrosn Protec Tank: Steel/FRP composite
Corrosn Protec Pipe: FRP tank/piping
Spill and Overfill: Catchment basins
Financial Responsibility: SELF/STATE
Latitude: .00000
Latitude 1: Not reported
Longitude: .00000
Longitude 1: Not reported
GPS String Confirmed: Not reported
Initials of Individual Confirming GPS: Not reported
Financial Responsibility Code: F
Financial Responsibility Description: A
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: I
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: D
Compartment Tank: No
Main Tank: No
Tank ID Number: Not reported
Corrosion Protection Tank Date: 01/06/01
Corrosion Protection Piping Date: 01/06/01
Spill Overfill Date: 01/06/01
Piping System Type Code: P
Piping System Type Description: Not reported
Tank Last Used Date: / /
Tank Certified Number: 200606032O
Date Last Certified: 06/19/06

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

NC DOT - CASTLE HAYNE (Continued)

EDR ID Number
 EPA ID Number

U003795184

Begin Certified Number: 01/07/06
 End Certified Number: / /

**AN209
 SSE
 > 1
 20588 ft.**

**CORBETT FARMING COMPANY
 2501 BLUE CLAY ROAD
 WILMINGTON, NC**

**LUST S105896167
 IMD N/A**

Site 2 of 2 in cluster AN

**Relative:
 Higher**

LUST:

**Actual:
 30 ft.**

Facility ID:	Not reported	UST Number:	WI-2303
Incident Number:	32050	Lat/Long Decimal:	34.283888 77.914166
Lat/Long:	34 17 1.92 77 54 50.94		
Testlat:	Not reported		
Regional Officer Project Mgr:	SAK		
Region:	Wilmington		
Company:	CORBETT FARMING COMPANY		
Contact Person:	BILL CORBETT		
Telephone:	9107639991		
RP Address:	P.O. BOX 210		
RP City,St,Zip:	WILMINGTON, NC 28402-0210		
RP County:	Not reported		
Comm / Non-comm UST Site:	COMMERCIAL		
Risk Classification:	Not reported		
Risk Class Based On Review:	H		
Corrective Action Plan Type:	Not reported		
Level Of Soil Cleanup Achieved:	Residential		
Tank Regulated Status:	R		
Contamination Type:	Soil		
Source Type:	Leak-underground	Product Type:	PETROLEUM
Date Reported:	12/10/2002	Date Occur:	8/27/2002
NOV Issue Date:	Not reported	NORR Issue Date:	Not reported
Site Priority:	Not reported	Phase Of LSA Req:	2
Site Risk Reason:	Not reported	Land Use:	Residential
Closure Request:	Not reported	# Of Supply Wells:	0
Close Out:	Not reported		
MTBE:	No	MTBE1:	Unknown
Flag:	No	Flag1:	Not reported
LUR Filed:	Not reported	Release Detection:	Not reported
GPS Confirmed:	7	Cleanup:	Not reported
Current Status:	File Located in House	RBCA GW:	Cleanups to 2L.0202 standards
PETOPT:	3	RPL:	No
CD Num:	Not reported	Reel Num:	Not reported
RPOW:	Yes	RPOP:	No
Error Flag:	Not reported		
Error Code:	Not reported	Valid:	No
Last Modified:	Not reported		
Incident Phase:	Response		
NOV Issued:	Not reported		
NORR Issued:	4/7/2003		
45 Day Report:	Not reported		
Public Meeting Held:	Not reported		
Corrective Action Planned:	Not reported		
SOC Sighned:	Not reported		
Reclassification Report:	Not reported		
RS Designation:	Not reported		
Closure Request Date:	Not reported		
Close-out Report:	Not reported		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CORBETT FARMING COMPANY (Continued)

S105896167

Comments: csa due april 20, 2004, has soil >res. In one soil boring, mod. Gw contamination in one mw, minor in other mw's

IMD:

Region: WIL
Facility ID: 32050
Date Occurred: 8/27/2002
Submit Date: 12/10/2002
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: The UST was found as part of a property transfer. The tank was exxcavated by others. Contamination found in one sample (UT-1)
Operator: BILL CORBETT
Contact Phone: 9107639991
Owner Company: CORBETT FARMING COMPANY
Operator Address:P.O. BOX 210
Operator City: WILMINGTON
Oper City,St,Zip: WILMINGTON, NC 28402-0210
Ownership: Private
Operation: Industrial
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: SAK
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: 6
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 34.28361111
Longitude: -77.91388888
Latitude Number: 341701
Longitude Number: 775450
Latitude Decimal: 34.28361111111111
Longitude Decimal: 77.9138888888889
GPS: 7
Agency: DWM
Facility ID: 32050
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: 4/7/2003
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CORBETT FARMING COMPANY (Continued)

EDR ID Number
 EPA ID Number

Database(s)

RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

S105896167

**210
 SE
 > 1
 20618 ft.**

**WRIGHTSBORO UMC
 3300 NORTH KERR AVENUE
 WILMINGTON, NC 28405**

**FINDS 1007715254
 110018718618**

**Relative:
 Higher**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 37 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

**AQ211
 SSW
 > 1
 20717 ft.**

**SIGMA RECYCLING LLC
 2200 US HIGHWAY 421 NORTH
 WILMINGTON, NC 28401**

**FTTS 1009523193
 HIST FTTS N/A**

**Relative:
 Higher**

Site 1 of 4 in cluster AQ

FTTS:
 Case Number: Not reported
 Docket Number: TSCAIV-96-P0009
 Complaint Issue Date: 09/10/1997
 Abatement Amount: 0.0000
 Proposed Penalty: 31000.0000
 Final Assessment: 0.0000
 Final Order Date: 11/10/1997
 Close Date: / /
 Violations(s): PCB, Label or Marking
 PCB, Storage

**Actual:
 32 ft.**

FTTS INSP:
 Inspection Number: 1996022711478 1
 Region: 04
 Inspection Date: 02/27/1996
 Inspector: VERNE GEORGE
 Violation occurred: Yes
 Investigation Type: Section 6 PCB Federal Conducted
 Investigation Reason: For Cause, Violation
 Legislation Code: TSCA
 Facility Function: User

HIST FTTS:
 Case Number: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SIGMA RECYCLING LLC (Continued)

1009523193

Docket Number: TSCAIV-96-P0009
 Complaint Issue Date: 09/10/1997
 Abatement Amount: 0.0000
 Proposed Penalty: 31000.0000
 Final Assessment: 0.0000
 Final Order Date: 11/10/1997
 Close Date: / /
 Violations(s): PCB, Label or Marking
 PCB, Storage

HIST FTTS INSP:

Inspection Number: 1996022711478 1
 Region: 04
 Inspection Date: Not reported
 Inspector: VERNE GEORGE
 Violation occurred: Yes
 Investigation Type: Section 6 PCB Federal Conducted
 Investigation Reason: For Cause, Violation
 Legislation Code: TSCA
 Facility Function: User

AQ212
SSW
> 1
20719 ft.

WILMINGTON RESOURCES
2200 US HWY 421 N
WILMINGTON, NC

IMD 1001008452
N/A

Site 2 of 4 in cluster AQ

Relative:
Higher

IMD:
 Region: WIL
 Facility ID: 12980
 Date Occurred: 11/28/1994
 Submit Date: 12/1/1994
 GW Contam: No Groundwater Contamination detected
 Soil Contam: Not reported
 Incident Desc: OILY AREAS AND UNPERM. SOIL PILE
 Operator: DETYENS, JR., BILL
 Contact Phone: Not reported
 Owner Company: WILMINGTON RESOURCES
 Operator Address: 2200 US HWY 421 N
 Operator City: WILMINGTON
 Oper City, St, Zip: WILMINGTON
 Ownership: Federal
 Operation: Mining
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Unknown
 Type: Other inorganics
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: NOD
 Priority Update: Not reported
 Dem Contact: CDR
 Wells Affected: No

Actual:
32 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WILMINGTON RESOURCES (Continued)

1001008452

Num Affected: 0
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: GPS
 Agency: DWQ
 Facility ID: 12980
 Last Modified: 8/5/2003
 Incident Phase: Follow Up
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: 7/2/1997
 SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: Not reported

AQ213
SSW
 > 1
 20719 ft.

2200 US HWY 421 NORTH
2200 US HWY 421 NORTH
WILMINGTON, NC 28401

ERNS 96485103
N/A

Site 3 of 4 in cluster AQ

Relative:
Higher

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
32 ft.

AR214
SSW
 > 1
 20952 ft.

FREDRICKSON MOTOR EXPRESS CORP
234 SUTTON STEAM PLANT RD
WILMINGTON, NC 28405

RCRA-SQG 1000192055
FINDS NCD981861230

Site 1 of 3 in cluster AR

Relative:
Lower

Actual:
14 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

FREDRICKSON MOTOR EXPRESS CORP (Continued)

1000192055

RCRAInfo:

Owner: FREDRICKSON, JOHN W.
 EPA ID: NCD981861230
 Contact: ROGER CROCKER
 (910) 763-0129

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	NCGS.130A
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	01/16/1997
Actual Date Achieved Compliance:	02/17/1997
Regulation Violated:	262.41
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	10/15/1995
Actual Date Achieved Compliance:	11/08/1995
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/19/1995
Penalty Type:	Not reported

There are 2 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Non-Financial Record Review	GENERATOR-OTHER REQUIREMENTS	19970217
Compliance Schedule Evaluation	GENERATOR-GENERAL REQUIREMENTS	19951108
Other Evaluation	GENERATOR-GENERAL REQUIREMENTS	19951108

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AQ215
SSW
 > 1
 20977 ft.

PTC OF MOUNT AIRY INCORPORATED
2102 US HWY 421-N
WILMINGTON, NC 28401

FINDS 1008390802
110022550522

Relative:
Higher

Site 4 of 4 in cluster AQ

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
29 ft.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

AR216
SSW
 > 1
 21050 ft.

COOPER-KENWORTH WASTE OIL RELE
208 SUTTON STEAM PLANT ROAD
WILMINGTON, NC

IMD S106936500
N/A

Site 2 of 3 in cluster AR

Relative:
Lower

IMD:

Actual:
12 ft.

Region: WIL
 Facility ID: 87225
 Date Occurred: 10/18/2004
 Submit Date: 12/19/2005
 GW Contam: No Groundwater Contamination detected
 Soil Contam: Not reported
 Incident Desc: On October 18, 2004, a representative of Noble Oil Company spilled approximately 200 gallons of waste oil on the ground by above ground storage tanks at the sub
 Operator: O'Quin, Donnie
 Contact Phone: Not reported
 Owner Company: Noble Oil Company
 Operator Address: 5617 Clyde Rhyne Drive
 Operator City: Sanford
 Oper City, St, Zip: Sanford, NC
 Ownership: Not Reported
 Operation: Not Reported
 Material: Not reported
 Qty Lost 1: Not reported
 Qty Recovered 1: Not reported
 Source: Spill-surface
 Type: Other petroleum product
 Location: Not reported
 Setting: Not reported
 Risk Site: Not reported
 Site Priority: Not reported
 Priority Code: NOD
 Priority Update: Not reported
 Dem Contact: Diane Adams
 Wells Affected: No
 Num Affected: Not reported
 Wells Contam: Not reported
 Sampled By: Not reported
 Samples Include: Not reported
 7.5 Min Quad: Not reported
 5 Min Quad: Not reported
 Latitude: 34.2838
 Longitude: -77.9716
 Latitude Number: Not reported
 Longitude Number: Not reported
 Latitude Decimal: Not reported
 Longitude Decimal: Not reported
 GPS: NOD
 Agency: DWQ
 Facility ID: 87225
 Last Modified: 12/19/2005
 Incident Phase: Closed Out
 NOV Issued: Not reported
 NORR Issued: Not reported
 45 Day Report: Not reported
 Public Meeting Held: Not reported
 Corrective Action Planned: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

COOPER-KENWORTH WASTE OIL RELE (Continued)

S106936500

SOC Sighned: Not reported
 Reclassification Report: Not reported
 RS Designation: Not reported
 Closure Request Date: Not reported
 Close-out Report: 1/7/2004

**AR217
 SSW
 > 1
 21050 ft.**

**NOBLE OIL SERVICES WILMINGTON
 208 SUTTON STEAM PLANT RD
 WILMINGTON, NC 28402**

**RCRA-SQG 1001232804
 FINDS NCR000009753**

Site 3 of 3 in cluster AR

**Relative:
 Lower**

RCRAInfo:
 Owner: COPPER KENWORTH
 (800) 672-0069

**Actual:
 12 ft.**

EPA ID: NCR000009753

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**218
 ENE
 > 1
 21072 ft.**

**VISION SOFTWARE
 5601 BARBADOS BOULEVARD
 CASTLE HAYNE, NC 28429**

**FINDS 1007715086
 110018716932**

**Relative:
 Equal**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 24 ft.**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

219
SE
> 1
21102 ft.

CAPE FEAR OPTIMIST PARK
3222 NORTH KERR AVENUE
WILMINGTON, NC 28405

FINDS **1007715139**
 110018717469

Relative:
Higher

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
34 ft.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve access bility to comprehensive information about environmental regulated entities in the state of North Carolina.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BELVILLE	S105766141	SCOTCHMAN # 115	BOX 315 RT. 3	28451	LUST, IMD
CASTEL HAYNE	S105485846	CASTLE HAYNE SERVICE DUMP	5 MI OFF HWY 17 OFF SR 1335	28429	OLI
CASTLE HAYNE	U001202743	WATSON'S SERVICE STATION	RT 1 BOX 159	28429	UST
CASTLE HAYNE	U001199279	ARNOLD WESLEY PORTER	ROUTE 1, BOX 200-D	28429	UST
CASTLE HAYNE	S105485847	CASTLE HAYNE TRASH SERVICE	SR 1002 NEAR CASTLE HAYNE	28429	OLI
CASTLE HAYNE	S106022456	SIDBURY PLAZA	5601 HIGHWAY 117	28429	IMD
CASTLE HAYNE	S105516648	REASOR CHEMICAL	HWY 132 / 117	28429	IMD
CASTLE HAYNE	U001200413	DICKERSON CAROLINA INC.	HWY 151	28429	UST
CASTLE HAYNE	S107672117	OXYCHEM LAGOONS	SR 2023 OFF OF HOLLY SHELTER R	28429	IMD
CASTLE HAYNE	U001199468	CASTLE HAYNE QUARRY	P.O. BOX 398 / HIGHWAY 1002	28429	UST
CASTLE HAYNE	S104157067	BROOKDALE GREENHOUSES, INC.	4821 BROOKDALE DR.	28429	IMD
CASTLE HAYNE	S107405394	CASTLE HAYNE CVS SITE	CASTLE HAYNE / HOLLY SHELTER R	28429	IMD
CASTLE HAYNE	1003868335	IDEAL BASIC INDS/PLANT MARL QUARRY	COUNTY RD 2002	28429	LUST, CERC-NFRAP, IMD
CASTLE HAYNE	S103131092	PETROLEUM EQUIP. & INST. CO.	FULTON RD	28429	IMD
CASTLE HAYNE	S105766353	MARTIN MARIETTA	HOLLY SHELTER ROAD	28429	IMD
CASTLE HAYNE	U003295418	HOLNAM, INC.	HOLLY SHELTER ROAD	28429	UST
CASTLE HAYNE	S105805008	IDEAL BASIC INDS/PLANT MARL QUARRY	HOLLY SHELTER ROAD	28429	SHWS
CASTLE HAYNE	S106896311	MARTIN MARIETTA	HOLLY SHELTER ROAD	28429	LUST
CASTLE HAYNE	1005540025	WILMINGTON AUTO SALVAGE & SALE	HOLLY SHELTER ROAD	28429	FINDS
CASTLE HAYNE	U001199455	SOUTHERN BELL-GLC 21806	4614 NORTH OCLLEGE ROAD	28429	UST
CASTLE HAYNE	1005434254	OCCIDENTAL CHEMICAL CORP.	ORANGE STREET	28429	SSTS
CASTLE HAYNE	U003145461	MCO TRANSPORT, INC.	ST ROAD 1002 (CASTLE HAYNE PLANT)	28429	UST
CASTLE HAYNES	U003137636	LUDEKE FARMS WHOLESALE FLORIS	STATE ROAD 1002	28429	UST
CURRIE	S105766381	MOORE'S CREEK UST # 2	PRINCE GEORGE AVE PO BOX 97	28429	UST
CURRIE	S102443478	JOHNSON'S GROCERY	HWY # 210	28435	LUST, IMD
CURRIE	U003147272	JOHNSONS GROCERY	9031 HWY 210	28435	LUST, IMD
CURRIE	U001197953	E & HEXXON	HWY 210 & BLUEBERRY HILL RD	28435	UST
LEELAND	S106684477	MOORE'S CREEK BATTLEFIELD QUAR	HIGHWAY 421	28435	UST
LELAND	U003142611	OLD DOMINION FREIGHT LINE	OLD HIGHWAY 210	28435	LUST, IMD
LELAND	S105912010	EXXON PIPELINE 109 +45	RTE 01 BOX 331 A	28451	UST
LELAND	S105163895	KBK FLY ASH TRANSFER STATION	HWY. 133	28451	IMD
LELAND	S105766352	JENNIFER SUBDIVISION	SR 1426	28451	SWF/LF, HIST LF
LELAND	1009462981	BRUNSWICK CO LDFL	SR 1426	28451	LUST, IMD
LELAND	S105766331	CONNIE'S MOBILE HOME PARK	SR 1438	28451	CERC-NFRAP
LELAND	U003146369	HENRY'S SERVICE CENTER	SR 1472	28451	LUST, IMD
LELAND	U003145950	MACO'S UNION 76 TRUCK STOP	RT 2 BOX	28451	UST
LELAND	U001193028	LELAND GROCERY	ROUTE 2, BOX 531 / HIGHWAY 87 E.	28451	UST
LELAND	U001201190	H.C. WILLIAMS, JR. TRUCKING C	ROUTE 3 VILLAGE ROAD	28451	UST
LELAND	U001201529	BELVILLE MINI MART	RT. 3, BOX 322-A (OLD HWY 17 S.)	28451	UST
LELAND	U001200701	F.W. GROVES TRUCKING CO.	ROUTE 3, BOX 313	28451	UST
LELAND	U001201340	NORTH CAROLINA EQUIPMENT COMP	ROUTE 4, BOX 89	28451	UST
LELAND	U001187619	LELAND CITGO	HIGHWAY 74-76 WEST	28451	UST
LELAND	U001203899	TWISDALE MFG CO INC	HWY 74-76/115 VILLAGE ROAD	28451	UST
			HWY 74/76 WEST	28451	UST

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LELAND	S106936348	LEERAY, INCORPORATED	111 AND 113 THOMAS-GARST LANE	28451	IMD
LELAND	S106936507	LEERAY TRUCK SALES	111 AND 113 THOMAS GARST LANE	28451	IMD
LELAND	S105912295	CONOCO-ATLANTIC GULF (DIESEL S	APPROX. 1.1 MILES WEST OF SR 1	28451	IMD
LELAND	S103131508	T-N-T AUTO SALES	BLUE BANKS ROAD NE	28451	IMD
LELAND	S104913867	CHEMICAL CARTAGE	P.O. BOX 26, OLD FAYETTEVILLE	28451	IMD
LELAND	S104913441	INDUSTRIAL ELECTRICAL SALES &	P.O. BOX 267, HWY. 74-76	28451	IMD
LELAND	U001188753	ESTES EXPRESS LINES 13	P.O. BOX 310, HWY 74 WEST	28451	UST
LELAND	U001193012	GULF ATLANTIC DISTRIBUTION SE	P.O. BOX 460 / HWY 74-76 WEST	28451	UST
LELAND	S105163716	BRUNSWICK CO TRANSFER/LELAND	921 CHAPEL LOOP ROAD	28451	SWF/LF, HIST LF
LELAND	S104913411	NATIONAL STARCH(C.T. SPECIALTI	P.O. DRAWER 130, HWY.74W	28451	IMD
LELAND	S106531987	CAROLINA CREOSOTING CORPORATION	EASTBROOK ROAD	28451	SHWS
LELAND	S106349378	INDUSTRIAL ELECTRIC SALES & SE	U.S. HIGHWAY 74-76 EAST	28451	LUST, IMD
LELAND	1004552544	INDUSTRIAL TECHNOLOGY GROUP	NC HWY 74 & 76	28451	RCRA-SQG, FINDS
LELAND	1009915507	MARTIN MARIETTA AGG PEE DEE QUARRY	US HWY 74	28451	ICIS
LELAND	U001201349	RD'S TRUCK STOP	LANDVALE & OLD VILLAGE ROAD	28451	UST
LELAND	U001186644	FOX'S HOLSUM BAKERY INC	OLD HIGHWAY 74-76	28451	UST
LELAND	U001188689	ROUTE 3	OLD HIGHWAY 17 SOUTH	28451	UST
LELAND	S103916967	POLE PROPERTY	PERRY LANE.	28451	IMD
LELAND	S106953643	DUPONT DUMP	195 S TO HWY74 E, LFT ON NORTHWEST	28451	OLI
NAVASSA	S107999248	NORTH CAROLINA RESOURCE CONSERVATION, LL	SR 1426 (MT. MISERY ROAD)	28451	SWF/LF, HIST LF
NAVASSA	S104919017	HOLDING POND FOR WASTE/USS	SR 1435	28451	SHWS
NAVASSA	S105911874	INFINGER TRANSPORT	CEDAR HILL ROAD N.E. (CLOSE TO	28451	IMD
NAVASSA	S103554726	WILMINGTON BRANCH/BORDEN/SMITH DOUGL	NAVASSA ROAD	28451	SHWS
NAVASSA	S108476197	D&G PROPERTIES-SLAUGHTERHOUSE PARCEL	ROYSTER RD	28451	SHWS
NAVASSA	1006931984	CAPE FEAR RIVER DRUMS	ON THE BANKS OF CAPE FEAR RIVER	28451	CERCLIS
NAVASSA	1009326235	WILMINGTON BRANCH	WILMINGTON RD	28451	FINDS
NEW HANOVER	S104919094	SHACKLEFORD BANKS DRUMS	WILMINGTON	28405	SHWS
ROCKY POINT	U001198070	ROOKS FARM SERVICE INC.	RT. 1 BOX 280	28457	UST
ROCKY POINT	U001205555	DAVIS FOODS INC	ROUTE 1 BOX 298B	28457	UST
ROCKY POINT	U003160514	LONG CREEK GRADY ELEM SCHOOL	ROUTE 1, BOX 360	28457	UST
ROCKY POINT	S102868603	BRYANTS TEXACO (FORMER)	HWY 117	28457	LUST, IMD
ROCKY POINT	1004546862	HY - YIELD BROMINE INC	3500 HIGHWAY 133 WEST	28457	FINDS, SSTS
ROCKY POINT	S104913944	C.H. CLARK AND SON, INC.	4800 HWY 133	28457	IMD
ROCKY POINT	S105219615	COUNTRY STORE	3881 HIGHWAY 133	28457	LUST TRUST
ROCKY POINT	U001198804	COUNTRY STORE	HWY 133	28457	UST
ROCKY POINT	S105766338	ARVIDA DEVELOPMENT CENTER	SR 1426	28457	LUST, IMD
ROCKY POINT	U003145244	BETTY'S GROCERY	ROUTE 2, BOX 208	28457	UST
ROCKY POINT	1004550105	WILMINGTON GRADING	HIGHWAY 210	28457	FINDS
ROCKY POINT	1008882663	SEA MARK BOATS	13991 HWY 210	28457	RCRA-SQG
ROCKY POINT	S103240270	RUNNING DEER LCID LANDFILL	HIGHWAY 210	28457	SWF/LF, HIST LF
ROCKY POINT	S105418866	CLYDE WISECARVER	HWY 210	28457	SWF/LF, HIST LF
ROCKY POINT	U001186700	PENDER ACADEMY	HWY 210 WEST-PO BOX 37	28457	LUST, UST, LUST TRUST, IMD
ROCKY POINT	S105912289	JBS MECHANICAL SERVICES, INC.	HWY 210, ROCKY POINT	28457	IMD
ROCKY POINT	1004549803	CARVER BOAT CORPORATION	350 CARVER DRIVE	28457	FINDS, IMD
ROCKY POINT	S103130857	CARVER BOAT CO.	350 CARVER DR	28457	IMD
ROCKY POINT	1009924018	TRUMPETER CREEK FARMS #1 & #2	DIRT PATH OFF NC HWY 210/6 MI E OF I-40	28457	ICIS
ROCKY POINT	U004060274	SCOTCHMAN 308	13493 NC HIGHWAY 210	28457	UST

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ROCKY POINT	1001817822	CINNINNATI THERMAL SPRAY	11766 NC HWY 210	28457	RCRA-SQG, FINDS
ROCKY POINT	1005431075	HY-YIELD BROMINE	3500 NC HWY 133 WEST	28457	SSTS
ROCKY POINT	S106123001	KRAFT PROPERTY	3096 NC HWY 133	28457	LUST TRUST
ROCKY POINT	U004016727	WILCO 396	8221 US HWY 117 S	28457	UST
ROCKY POINT	1009940734	HITCHING POST TRAILER PARK WATER SYS	800 HWY.	28457	ICIS
ROCKY POINT	S104913911	ADAMS TRUCKING	13519 NC HWY. 210	28457	IMD
ROCKY POINT	U001198173	ROCKY POINT QUARRY	210 EAST OFF I-40	28457	LUST, UST, LUST TRUST, IMD
WILMINGTON	U003202426	SCOTCHMAN 265	US #117	28429	UST
WILMINGTON	U001204314	WILMINGTON AIRPORT	ROUTE #6 BOX 52	28405	UST
WILMINGTON	1007727183	WILMINGTON AIRPORT	ROUTE #6 BOX 52	28405	FINDS
WILMINGTON	U001186383	PHOENIX COUNTRY STORE	RT 1 MT MISERY RD	28401	UST
WILMINGTON	1000841838	GENERAL ELECTRIC COMPANY, WILMINGTON,	RT 117 CASTLE HAYNE RD	28401	FINDS, RCRA-LQG, TRIS, RCRA-TSDF, CERC-NFRAP
WILMINGTON	S104913958	EAGLE ISLAND ENGINEER YARD	SR 1300, WEST SIDE CAPE FEAR R		IMD
WILMINGTON	1009922288	OIL SPILL (FLORIDA ROCK & TANK LINES, INC.)	HWY 131 & CASTLE HUNE ROAD	28401	ICIS
WILMINGTON	U001200310	NEW HANOVER COUNTY GARAGE	S.R. 1312	28405	UST
WILMINGTON	S105766388	ALFORDS SEAFOOD	HWY 132 / 421		LUST, IMD
WILMINGTON	U001207045	SOUTHERN BELL - WLMGNCHW	HWY 132		UST
WILMINGTON	S103130645	CP&L SUTTON PLANT	S.R. 1394		IMD
WILMINGTON	8717329	HIGHWAY 421 NORTH 5 MILES NORTH OF WILMINGTON	HIGHWAY 421 NORTH 5 MILES NORTH OF WILMINGTON		ERNS
WILMINGTON	1007727120	READY MIXED CONCRETE COMPANY - WILMINGTON	5125 HIGHWAY 421 NORTH	28401	FINDS
WILMINGTON	1007715160	WILMINGTON AUTO TRUCK STOP	1610 HIGHWAY 421 NORTH	28401	FINDS
WILMINGTON	1004551777	PHILLYSHIP OF WILMINGTON	2821 HWY 421 NORTH	28401	FINDS
WILMINGTON	1004550549	PCS NITROGEN FERTILIZER L P WILMINGTON PLANT	2830 HWY. 421 N.	28401	FINDS
WILMINGTON	U001199524	WORSLEY TRANSPORT	HIGHWAY 421 NORTH	28405	UST
WILMINGTON	U003562820	UNION CARBIDE INDUSTRIAL GASE	HIGHWAY 421 NORTH	28405	UST
WILMINGTON	1001478171	LOUISIANA PACIFIC CORPORATION	2706 HWY. 421 N.	28401	RCRA-SQG, FINDS
WILMINGTON	1005436936	SOUTH ATLANTIC SERVICES INC	3527 HWY 421 N	28401	SSTS
WILMINGTON	1006817303	DEL LABORATORIES, INC	3700 HWY 421 N	28401	FINDS, RCRA-LQG
WILMINGTON	1009934747	INVISTA S.A.R.L.	4600 HIGHWAY 421 NORTH	28401	ICIS
WILMINGTON	1009950792	SOUTHERN STATES CHEMICAL	2600 HIGHWAY 421 NORTH	28401	ICIS
WILMINGTON	S103554633	VC CHEMICAL-ALMONT WORKS	2400 US 421 NORTH	28401	SHWS
WILMINGTON	S108492475	NEW HANOVER FACILITY	4832 HWY 421 N	28401	NPDES
WILMINGTON	S103554266	CAROLINA P&L CO. SUTTON STEAM	HWY 421		SHWS, VCP
WILMINGTON	S105218309	KENAN TRANSPORT COMPANY	HIGHWAY 421 NORTH		LUST TRUST
WILMINGTON	S105586649	FLORIDA ROCK AND TANK TRUCK SP	HIGHWAY 421 AT PARSLEY STREET		IMD
WILMINGTON	S103130860	SOUTH ATLANTIC SERVICES, INC.	HWY 421 NORTH		IMD
WILMINGTON	S104913518	CP&L TRANSFORMER SITE	HWY 421 N., NEXT TO SUTTON PLA		IMD
WILMINGTON	S104913960	FLEMINGTON LANDFILL	HIGHWAY 421 NORTH		IMD
WILMINGTON	S104913977	CENTRAL TRANSPORT, INC	HWY 421		IMD
WILMINGTON	878991	HIGHWAY 421N, 4 MILES NORTH OF WILMINGTON	HIGHWAY 421N, 4 MILES NORTH OF WILMINGTON		ERNS
WILMINGTON	1008212430	WILMINGTON WATER TREATMENT PLANT	W 4TH STREET	28401	FINDS
WILMINGTON	A100187616	NEW HANOVER CO AIRPORT (PIEDMONT AIRLINES)	RT 6 BOX 52	28401	AST
WILMINGTON	U003137596	NEW HANOVER COUNTY AIRPORT	ROUTE 6, BOX 49 - ROAD 1F	28405	UST

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WILMINGTON	S104919095	SHEPARD CHEMICAL WORKS	US 70 EAST		SHWS
WILMINGTON	1005436730	SHEPARD CHEMICAL WORKS, INC	HIGHWAY 74 EAST	28401	SSTS
WILMINGTON	U001199459	SOUTHERN BELL-GLC 21216	HIGHWAY 74 & 76 - LELAND	28401	RCRA-SQG, FINDS
WILMINGTON	1000405091	NC EQUIPMENT CO	HWY 74-76 W	28451	LUST, IMD
WILMINGTON	S105766370	COASTAL FOOD SERVICE	4TH / ASH ST.		LUST, IMD
WILMINGTON	S105766118	AIRPORT INDUSTRIAL CENTER	BLUE CLAY RD.		IMD
WILMINGTON	S103131891	AMERICAN CONTRACT COATING	BOUNTFUL LANE / CARDIFF ROA		FINDS
WILMINGTON	1009406340	WILMINGTON HOUSING AUTHORITY	PO BOX 899	28401	RCRA-SQG, FINDS
WILMINGTON	1004744512	SHIPSIDE PACKING CO	PO BOX 300 NC STATE DOCKS		IMD
WILMINGTON	S105911970	GENERAL ELECTRIC-CENTRAL TCE P	PO BOX 780, HWY 117 N		IMD
WILMINGTON	S104913380	GENERAL ELECTRIC	PO BOX 780, HWY 117 N		IMD
WILMINGTON	S104913435	GENERAL ELECTRIC-URANYL NITRAT	PO BOX 780, HWY 117 N		FINDS
WILMINGTON	1007712489	WILMINGTON SHIPPING COMPANY	BURNETT BOULEVARD STATE PORTS	28401	ERNS
WILMINGTON	996333036	CAPE FEAR RIVER AT THE OLD WILMINGTON SHIPYARD	CAPE FEAR RIVER AT THE OLD WILMINGTON SHIPYARD		
WILMINGTON	1009948363	OIL SPILL (CENTRAL TRANSPORT TERMINAL)	CAPE FEAR RIVER	28401	ICIS
WILMINGTON	1009403608	NEXT STEP PROPERTIES OF WILMINGTON LIMITED	200 CARDINAL DRIVE EXTENSION	28405	FINDS
WILMINGTON	S105163769	LIABILITY COMPANY			
WILMINGTON	98423428	CONGLETON DEMO/CYPREE LANDFILL	CAROLINA BEACH ROAD		SWF/LF, HIST LF
WILMINGTON	S105765995	CHEM SERVE TERMINAL WILMINGTON	CHEM SERVE TERMINAL WILMINGTON		ERNS
WILMINGTON	S106022314	AIR WILMINGTON	NH. CO. AIRPORT		LUST, IMD
WILMINGTON	S105218898	10TH ST LANDFILL	500 FT. EAST OF N. STANLEY STR		IMD
WILMINGTON	1000299890	WILMINGTON MAINT. GARAGE	9TH / FANNING STRTS		LUST TRUST
WILMINGTON	98427309	FLEMINGTON LDFL	FAYETTEVILLE AVE		SHWS, CERC-NFRAP, OLI
WILMINGTON	S108280064	E/R FM WILMINGTON TO SAVANNAH	E/R FM WILMINGTON TO SAVANNAH	28401	ERNS
WILMINGTON	1009449190	WILMINGTON TERMINAL	1312 S FRONT ST	28401	NPDES
WILMINGTON	S105488704	ALMONT-OLD WILMINGTON HARBOUR	NORTH FRONT STREET	28401	FINDS
WILMINGTON	S108476143	SOUTHERN WOOD PIEDMONT LANDFAR	GREENFIELD ST		SHWS, VCP, IMD
WILMINGTON	S105425820	ALMONT SHIPPING - NEW	HANOVER / COWAN STREETS		BROWNFIELDS
WILMINGTON	S106781149	OLD NEUWIRTH PROPERTY	2ND / HANOVER STREETS		IMD
WILMINGTON	U003145988	PPD HEADQUARTERS	HARNETT ST. / NORTH FRONT ST		BROWNFIELDS
WILMINGTON	S104913959	IDEAL BASIC CEMENT LANDFILL	U.S. HIGHWAY SOUTH & PLOOF ROAD		UST
WILMINGTON	S104914064	PLOOF TRUCK LINES, INC.	HOLLY SHELTER ROAD	28451	IMD
WILMINGTON	S108280570	NCDOT HIGHWAY 17 BYPASS	3501 N. HWY 421		IMD
WILMINGTON	S108280635	COUNTY LANDFILL WWTP	4600 US HWY 421 N	28401	IMD
WILMINGTON	S108281216	WASTECC WWTP	5210 US HWY 421 N	28401	NPDES
WILMINGTON	S106032099	FLEMINGTON LANDFILL	3002 US HWY 421 N	28401	NPDES
WILMINGTON	S105485859	WILMINGTON LDFL (KIDDER ST)	US HWY 421 N		BROWNFIELDS
WILMINGTON	S105219461	FREDERICK JORDAN PROPERTY	AT INTERSECTION OF 14TH / KIDDER ST		OLI
WILMINGTON	S103717333	JORDAN PROPERTY	1526 JOHN MORRIS ROAD		LUST TRUST
WILMINGTON	U001187870	SOUTHERN IMPORT COMPANY, INC.	1526 JOHN MORRIS RD.		LUST, IMD
WILMINGTON	1004744692	PRECISION METAL PRODUCTS INC	NORTH KERR AVENUE	28405	UST
WILMINGTON	S106022457	NATIONAL CAR SALES (ALEX TRASK	NORTH KERR, NEAR BLUE CLAY ROA	28401	RCRA-SQG, FINDS
WILMINGTON	1004548035	METAL TESTING SOUTH WILMINGTON	27 LANDMARK DRIVE		IMD
WILMINGTON	S106022418	MILITARY CUTOFF FIRING RANGE	LUCIA POINT, MILITARY CUTOFF R	28401	FINDS
WILMINGTON	U004016736	COSTCO GASOLINE (LOC NO TDB)	MARKET ST AND N COLLEGE RD	28401	IMD

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WILMINGTON	S104919072	POTTER'S SEPTIC TANK SERVICE	MASONBORO LOOP RD		SHWS
WILMINGTON	S103554652	WILMINGTON GUN CLUB (FORMER)	MILITARY CUTOFF ROAD		SHWS
WILMINGTON	S105766329	CP&L, EASTERN DIVISION GARAGE	349 MILITARY HWY. CUTOFF		LUST, IMD
WILMINGTON	S105119806	AIR WILMINGTON	NEW HANOVER AIRPORT		LUST TRUST
WILMINGTON	U003202466	WILM TOWB		28401	UST
WILMINGTON	S105218874	NEW HANOVER RENT A CAR	NEW HANOVER CTY AIRPORT, E RAMP		LUST TRUST
WILMINGTON	1009936152	SIGMA RECYCLING	NEW HANOVER INTERNATIONAL AIRPORT	28401	ICIS
WILMINGTON	S105485857	TALLMAN CLAY PIT	2200 NORTH NORTH CAROLINA HIGHWAY 421		OLI
WILMINGTON	1009957529	SPRINT LAURENCE	NORTH/NORTHEAST OF THE INTERSECTION	28401	ICIS
WILMINGTON	S105485852	MILITARY CUTOFF LANDFILL	OFF NC HIGHWAY 87		ICIS
WILMINGTON	S106936392	EAGLE ISLAND,CSX PROPERTY	SOUTH ON I-40, TAKE GORDON RD. TO T		IMD
WILMINGTON	U001200582	PUMP STATION 34	PETER POINT, EAGLE ISLAND		OLI
WILMINGTON	1007699894	WILMINGTON EXPORT PACKING INCORPORATED	PIKE GROVE DR	28401	UST
WILMINGTON	1009597424	WILMINGTON FACILITY	PLAZA EAST SHOPPING CENTE		FINDS
WILMINGTON	96503296	RIVER ROAD/8MI FM WILMINGTON SOUTHBOUND	3325-3334 RIVER ROAD		FINDS
WILMINGTON	S106022442	SUNOCO BULK TERMINAL (FORMER)	RIVER ROAD/8MI FM WILMINGTON SOUTHBOUND		ERNS
WILMINGTON	S108281275	WILMINGTON ACID PLANT	RIVER ROAD		IMD
WILMINGTON	1009949559	TOWN & COUNTRY MHP #1 WATER SYS	2600 U S HWY 421 N	28401	NPDES
WILMINGTON	S105485844	BURNT MILL CREEK LF	2110 SCOTTS HILL RD	28405	ICIS
WILMINGTON	1004548838	WILMINGTON FERTILIZER,117 SITE	EAST SIDE OF STANLEY ST.		OLI
WILMINGTON	S105529288	WILMINGTON MATERIALS	NORTH SIXTH STREET	28401	FINDS
WILMINGTON	S106022449	INTERNATIONAL PAPER/CP&L TANK	SUTTON PLANT ROAD		FINDS
WILMINGTON	S108281273	WILMINGTON FACILITY WWTP	SUTTON STEAM PLANT ROAD		SWFLF, HIST LF
WILMINGTON	S105485858	WILMINGTON LANDFILL	101 TAKEDA DR	28401	IMD
WILMINGTON	94394659	WILMINGTON STATE PORT AUTHORITY DOCK 6	THE SITE IS LOCATED BENEATH MARTIN		OLI
WILMINGTON	99607578	WILMINGTON MARINE CENTER RIVER RD	WILMINGTON STATE PORT AUTHORITY DOCK 6		ERNS
WILMINGTON	92294841	WILMINGTON STATE DOCKS BERTH A	WILMINGTON MARINE CENTER RIVER RD		ERNS
WILMINGTON	S105043288	AERONAUTICS/AIR WILMINGTON	WILMINGTON STATE DOCKS BERTH A		ERNS
WILMINGTON	96482865	WILMINGTON STATE PORT BERTH 9	WILMINGTON INTERNATIONAL AIRPO		IMD
WILMINGTON	91201798	WILMINGTON STATE DOCKS BERTH 9	WILMINGTON STATE PORT BERTH 9		ERNS
WILMINGTON	96501651	WILMINGTON ST PORT AUTH BERTH 2,3	WILMINGTON STATE DOCKS BERTH 9		ERNS
WILMINGTON	96495822	WILMINGTON DOCK WATER ST.	WILMINGTON ST PORT AUTH BERTH 2,3	28401	ERNS
WILMINGTON	1007724397	WILMINGTON POP	WILMINGTON DOCK WATER ST.	28401	ERNS
WILMINGTON	1006426224	SOUTHERN METALS RECYCLING	6601 WINDMILL WAY RD.; DIXIE IND	28405	FINDS
			13 WRIGHT STREET		CERCLIS, FINDS

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D011	SILVER
D018	BENZENE
D022	CHLOROFORM
D035	METHYL ETHYL KETONE
D038	PYRIDINE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
U144	ACETIC ACID, LEAD(2+) SALT

EPA Waste Codes Addendum

Code	Description
U144	LEAD ACETATE
U239	BENZENE, DIMETHYL- (I,T)
U239	XYLENE (I)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 06/25/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 53	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/21/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/27/2007	Source: EPA
Date Data Arrived at EDR: 03/21/2007	Telephone: 703-412-9810
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 06/20/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 03/21/2007	Source: EPA
Date Data Arrived at EDR: 04/27/2007	Telephone: 703-412-9810
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007	Source: EPA
Date Data Arrived at EDR: 03/20/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 06/04/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/03/2007
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: (404) 562-8651
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/05/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2006	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/24/2007	Telephone: 202-267-2180
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 04/24/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/23/2007
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/05/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/17/2007	Telephone: 202-366-4555
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 04/17/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/20/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/26/2007	Telephone: 703-603-8905
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/20/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/26/2007	Telephone: 703-603-8905
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/11/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/06/2007
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/20/2006	Telephone: 202-528-4285
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 07/02/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/04/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/04/2007	Telephone: 202-566-2777
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 06/11/2007
Number of Days to Update: 51	Next Scheduled EDR Contact: 09/10/2007
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 08/23/2006	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 03/06/2007	Telephone: Varies
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 04/23/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/23/2007
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/27/2007	Source: EPA
Date Data Arrived at EDR: 03/27/2007	Telephone: 703-416-0223
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/08/2006	Telephone: 505-845-0011
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 07/05/2007
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 04/27/2007	Telephone: 202-566-0250
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/19/2007
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/16/2007
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/2007	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/25/2007	Telephone: 202-566-1667
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/13/2007	Source: EPA
Date Data Arrived at EDR: 04/25/2007	Telephone: 202-566-1667
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 03/13/2007	Telephone: 202-564-4203
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 04/12/2007
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Annually

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/08/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/12/2007	Telephone: 202-564-6023
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 05/01/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/03/2007	Telephone: 202-343-9775
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/01/2006	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 01/08/2007	Telephone: 202-307-1000
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 06/29/2007
Number of Days to Update: 3	Next Scheduled EDR Contact: 09/24/2007
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/21/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/03/2007	Telephone: 202-564-5088
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 06/22/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Quarterly

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 06/11/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/10/2007
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2007	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/30/2007	Telephone: 202-366-4595
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/30/2007
Number of Days to Update: 36	Next Scheduled EDR Contact: 08/27/2007
	Data Release Frequency: Varies

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/17/2006	Source: EPA
Date Data Arrived at EDR: 11/29/2006	Telephone: 202-566-0500
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 06/08/2007
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/06/2007
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/05/2007	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/25/2007	Telephone: 301-415-7169
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/06/2007	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/28/2007	Telephone: 303-231-5959
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 06/28/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 09/24/2007
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/12/2007	Source: EPA
Date Data Arrived at EDR: 05/17/2007	Telephone: (404) 562-9900
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/04/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/03/2007
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 06/12/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/10/2007
	Data Release Frequency: Biennially

USGS WATER WELLS: National Water Information System (NWIS)

This database consists of well records in the United States. Available site descriptive information includes well location information (latitude and longitude, well depth, site use, water use, and aquifer).

Date of Government Version: 03/25/2005	Source: USGS
Date Data Arrived at EDR: 03/25/2005	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: 03/25/2005
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: N/A

PWS: Public Water System Data

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 02/24/2000	Source: EPA
Date Data Arrived at EDR: 04/27/2005	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: 05/21/2007
Number of Days to Update: 0	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE AND LOCAL RECORDS

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/20/2007
Date Data Arrived at EDR: 05/21/2007
Date Made Active in Reports: 05/25/2007
Number of Days to Update: 4

Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
Last EDR Contact: 07/09/2007
Next Scheduled EDR Contact: 10/08/2007
Data Release Frequency: Quarterly

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 04/06/2006
Date Data Arrived at EDR: 02/28/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 44

Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-733-2090
Last EDR Contact: 05/29/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Biennially

IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 07/21/2006
Date Data Arrived at EDR: 08/01/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 22

Source: Department of Environment and Natural Resources
Telephone: 919-733-3221
Last EDR Contact: 05/11/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Quarterly

SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/24/2007
Date Data Arrived at EDR: 04/25/2007
Date Made Active in Reports: 05/15/2007
Number of Days to Update: 20

Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 04/25/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Semi-Annually

OLI: Old Landfill Inventory

Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 04/20/2007
Date Data Arrived at EDR: 05/08/2007
Date Made Active in Reports: 05/15/2007
Number of Days to Update: 7

Source: Department of Environment & Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 02/02/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Varies

HIST LF: Solid Waste Facility Listing

A listing of solid waste facilities.

Date of Government Version: 11/06/2006
Date Data Arrived at EDR: 02/13/2007
Date Made Active in Reports: 03/02/2007
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 04/23/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Regional UST Database

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 06/01/2007	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 06/07/2007	Telephone: 919-733-1308
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/07/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/03/2007
	Data Release Frequency: Quarterly

LUST TRUST: State Trust Fund Database

This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 05/04/2007	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 05/09/2007	Telephone: 919-733-1315
Date Made Active in Reports: 05/15/2007	Last EDR Contact: 05/09/2007
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/06/2007
	Data Release Frequency: Semi-Annually

UST: Petroleum Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/25/2007	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 06/07/2007	Telephone: 919-733-1308
Date Made Active in Reports: 07/12/2007	Last EDR Contact: 06/07/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/03/2007
	Data Release Frequency: Quarterly

AST: AST Database

Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 01/02/2007	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 01/17/2007	Telephone: 919-715-6183
Date Made Active in Reports: 03/02/2007	Last EDR Contact: 04/16/2007
Number of Days to Update: 44	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Semi-Annually

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 04/20/2007	Source: Department of Environment, Health and Natural Resources
Date Data Arrived at EDR: 04/24/2007	Telephone: 919-733-2801
Date Made Active in Reports: 05/15/2007	Last EDR Contact: 07/09/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/08/2007
	Data Release Frequency: Quarterly

VCP: Responsible Party Voluntary Action Sites

Responsible Party Voluntary Action site locations.

Date of Government Version: 04/20/2007	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 04/24/2007	Telephone: 919-733-4996
Date Made Active in Reports: 05/15/2007	Last EDR Contact: 07/09/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/08/2007
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Drycleaning Sites

Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 05/11/2007	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 05/11/2007	Telephone: 919-508-8400
Date Made Active in Reports: 05/15/2007	Last EDR Contact: 05/11/2007
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Varies

BROWNFIELDS: Brownfields Projects Inventory

A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 03/31/2007	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 05/15/2007	Telephone: 919-733-4996
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 05/02/2007
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing

General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 06/19/2007	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 06/20/2007	Telephone: 919-733-7015
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/11/2007
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/27/2007
	Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 02/06/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/11/2007
Number of Days to Update: 339	Next Scheduled EDR Contact: 08/06/2007
	Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/30/2007	Source: EPA Region 8
Date Data Arrived at EDR: 05/31/2007	Telephone: 303-312-6271
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 05/21/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

Date of Government Version: 03/20/2007	Source: EPA Region 4
Date Data Arrived at EDR: 04/16/2007	Telephone: 404-562-8677
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/23/2007	Source: EPA Region 10
Date Data Arrived at EDR: 05/24/2007	Telephone: 206-553-2857
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/18/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/18/2007	Telephone: 415-972-3372
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 05/23/2007	Source: EPA Region 10
Date Data Arrived at EDR: 05/24/2007	Telephone: 206-553-2857
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/18/2007	Source: EPA Region 9
Date Data Arrived at EDR: 06/18/2007	Telephone: 415-972-3368
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 03/20/2007	Source: EPA Region 4
Date Data Arrived at EDR: 04/16/2007	Telephone: 404-562-9424
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2007	Source: EPA Region 6
Date Data Arrived at EDR: 06/07/2007	Telephone: 214-665-7591
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 05/21/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 05/30/2007	Source: EPA Region 8
Date Data Arrived at EDR: 05/31/2007	Telephone: 303-312-6137
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/13/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 04/01/2007
Date Data Arrived at EDR: 04/05/2007
Date Made Active in Reports: 05/08/2007
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/03/2007
Next Scheduled EDR Contact: 10/01/2007
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/26/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/05/2007
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 06/01/2007
Next Scheduled EDR Contact: 08/27/2007
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/11/2007
Next Scheduled EDR Contact: 09/10/2007
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/18/2007
Next Scheduled EDR Contact: 09/17/2007
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006

Date Data Arrived at EDR: 04/27/2007

Date Made Active in Reports: 06/08/2007

Number of Days to Update: 42

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 07/09/2007

Next Scheduled EDR Contact: 10/08/2007

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Health & Human Services

Telephone: 919-662-4499

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Environment & Natural Resources

Telephone: 919-733-2090

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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Appendix K

FEMA Flood Insurance Rate Maps

- FEMA Flood Insurance Map, North Carolina, Panel 3211
- FEMA Flood Insurance Map, North Carolina, Panel 3221

PANEL 3211J

FIRM

FLOOD INSURANCE RATE MAP NORTH CAROLINA



PANEL 3211
(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

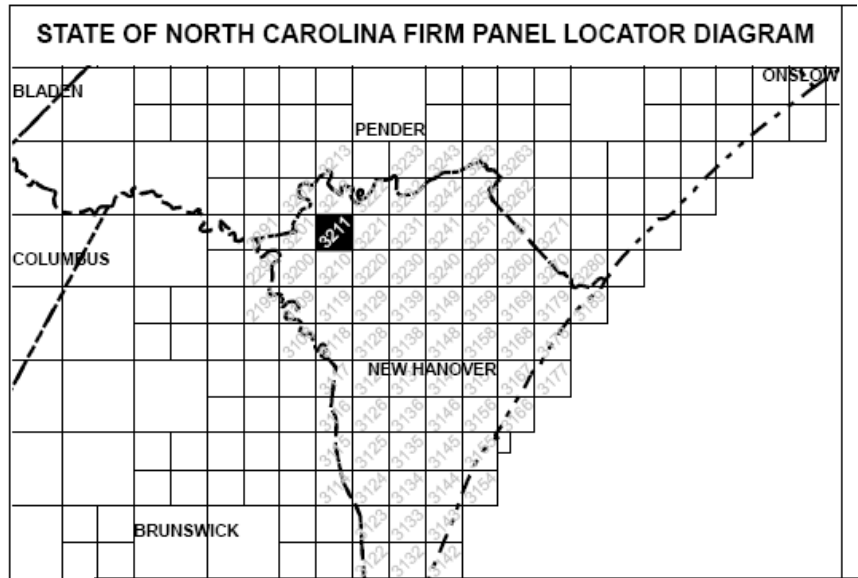
COMMUNITY	CID No.	PANEL	SUFFIX
NEW HANOVER COUNTY	370168	3211	J

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

EFFECTIVE DATE **MAP NUMBER**
APRIL 3, 2006 **3720321100J**

State of North Carolina
Federal Emergency Management Agency



All streams listed in the Flood Hazard Data Table below were studied by detailed methods using field survey. Other flood hazard data shown on this map may have been derived using either a coastal analysis or limited detailed Riverine analysis. More information on the flooding sources studied by these analyses is contained in the Flood Insurance Study report.

PANEL 3221J

FIRM

FLOOD INSURANCE RATE MAP NORTH CAROLINA



PANEL 3221
(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

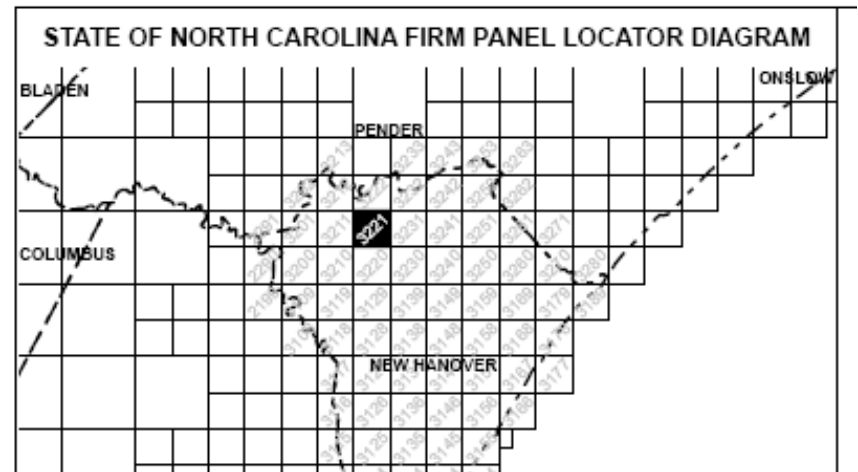
COMMUNITY	CID No.	PANEL	SUFFIX
NEW HANOVER COUNTY	370168	3221	J

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

EFFECTIVE DATE **MAP NUMBER**
APRIL 3, 2006 **3720322100J**

State of North Carolina
Federal Emergency Management Agency




All streams listed in the Flood Hazard Data Table below were studied by detailed methods using field survey. Other flood hazard data shown on this map may have been derived using either a coastal analysis or limited detailed Riverine analysis. More information on the flooding sources studied by these analyses is contained in the Flood Insurance Study report.

FLOOD HAZARD DATA TABLE				1% Annual Chance (100-year) Future Conditions Water-Surface Elevation (feet NAVD 88)	Floodway Width (feet) Left/Right Distance From the Center of Stream to Encroachment Boundary (Looking Down stream) or Total Floodway Width
Cross Section	Stream Station ¹	Flood Discharge (cfs)	1% Annual Chance (100-year) Water-Surface Elevation (feet NAVD 88)		
PRINCE GEORGE CREEK					
210	21,000	NA	7.3 ²	NA	99


¹ Feet above mouth ² Backwater effects from Northeast Cape Fear River

LEGEND


 SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevation determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Areas to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

 FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

 OTHER FLOOD AREAS

- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.






 OTHER AREAS

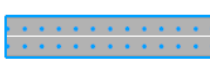
- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.

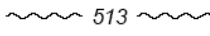
 COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

 OTHERWISE PROTECTED AREAS (OPAs)

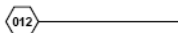
CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

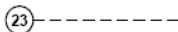
-  1% annual chance floodplain boundary
-  0.2% annual chance floodplain boundary
-  Floodway boundary
-  Zone D boundary
-  CBRS and OPA boundary

 Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.

 Base Flood Elevation line and value; elevation in feet*
 (EL 987) Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988


 Cross section line


 Transect line

97°07'30", 32°22'30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

4275⁰⁰⁰ M 1000-meter Universal Transverse Mercator grid ticks, zone 18

1 477 500 FEET 2500-foot grid values: North Carolina State Plane coordinate system (FIPSZONE 3200, State Plane NAD 83 feet)

BM5510  North Carolina Geodetic Survey bench mark (see explanation in the Datum Information section of this FIRM panel)

BM5510  National Geodetic Survey bench mark (see explanation in the Datum Information section of this FIRM panel)

● M1.5 River Mile

DATUM INFORMATION

The **projection** used in the preparation of this map was the North Carolina State Plane (FIPSZONE 3200). The **horizontal datum** was the North American Datum of 1983, GRS80 ellipsoid. Differences in datum, ellipsoid, projection, or Universal Transverse Mercator zones used in the production of FIRMS for adjacent jurisdictions may result in slight positional differences in map features across jurisdictional boundaries. These differences do not affect the accuracy of this FIRM. All coordinates on this map are in U.S. Survey Feet, where 1 U.S. Survey Foot = 1200/3937 Meters.

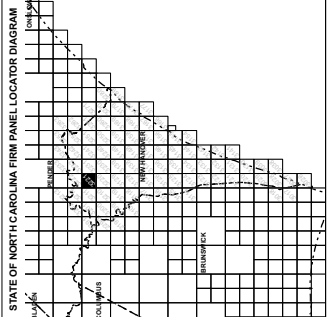
Flood elevations on this map are referenced to the North American Vertical Datum of 1988 (NAVD 88). These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. An average offset between NAVD 88 and the National Geodetic Vertical Datum of 1929 (NGVD 29) has been computed for each North Carolina county. This offset was then applied to the NGVD 29 flood elevations that were not revised during the creation of this statewide format FIRM. The offsets for each county shown on this FIRM panel are shown in the vertical datum offset table below. Where a county boundary and a flooding source with unrevised NGVD 29 flood elevations are coincident, an individual offset has been calculated and applied during the creation of this statewide format FIRM. See Section 6.1 of the accompanying Flood Insurance Study report to obtain further information on the conversion of elevations between NAVD 88 and NGVD 29. To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the North Carolina Geodetic Survey at the address shown below. You may also contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

North Carolina Geodetic Survey
 121 West Jones Street
 Raleigh, NC 27601
 (919) 733-3836
<http://www.ncgs.state.nc.us>

County Average Vertical Datum Offset Table	
County	Vertical Datum Offset (ft)
NEW HANOVER	-0.95

Example: NAVD 88 = NGVD 29 + (-0.95)

All streams listed in the **Flood Hazard Data Table** below were studied by detailed methods using field survey. Other flood hazard data shown on this map may have been derived using either a coastal analysis or limited detailed Riverine analysis. More information on the flooding sources studied by these analyses is contained in the Flood Insurance Study report.



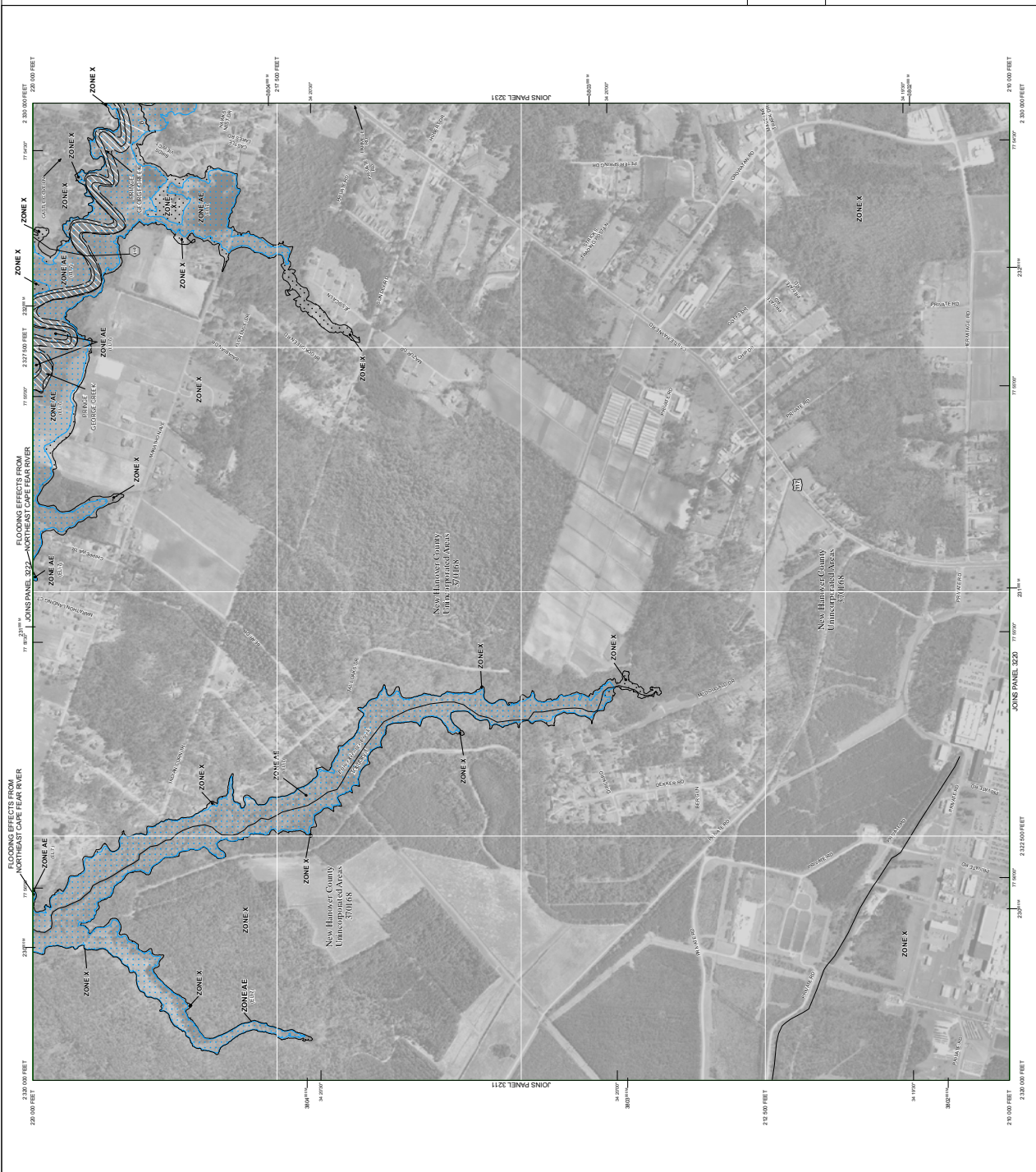
DATUM INFORMATION

The projection used in the preparation of this map was the North Carolina State Plane (NAD 83) datum. Dimensions in decimal degrees, or Universal Transverse Mercator (UTM) coordinates, are provided in the accompanying information. All coordinates on this map are in U.S. Survey Feet, unless otherwise noted.

North Carolina Geographic Survey
 521 West Jones Street
 Raleigh, NC 27603
 (919) 733-3000
 www.ncgs.gov

All streams listed in the Flood Hazard Data Table below were studied by detailed field observations. The Flood Hazard Data Table contains information on the location, name, and flow characteristics of the streams. The Flood Hazard Data Table also contains information on the location, name, and flow characteristics of the streams.

Stream Name	Flow Direction	Flow Characteristics
...



NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not constitute a warranty or representation of any kind. The community map is intended to provide information on flood hazard areas. The community map is intended to provide information on flood hazard areas. The community map is intended to provide information on flood hazard areas.

BOUNDARIES OF REGULATORY JURISDICTION shown on the map for flood zones are based on the most up-to-date information available. The boundaries of regulatory jurisdiction may vary from those shown on the map. The community map is intended to provide information on flood hazard areas. The community map is intended to provide information on flood hazard areas.

BASE MAP INFORMATION and geospatial data used to develop the FIRI was obtained from the National Flood Insurance Program. The primary data for the FIRI is aerial imagery acquired by the National Flood Insurance Program. The primary data for the FIRI is aerial imagery acquired by the National Flood Insurance Program.

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO SPECIAL FLOOD HAZARD AREAS (SFHA)

ZONE AE Special Flood Hazard Area (SFHA) subject to special flood insurance requirements. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map.

ZONE X Flood Hazard Area (SFHA) subject to special flood insurance requirements. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map.

ZONE AO Flood Hazard Area (SFHA) subject to special flood insurance requirements. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map.

ZONE AR Flood Hazard Area (SFHA) subject to special flood insurance requirements. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map.

ZONE AH Flood Hazard Area (SFHA) subject to special flood insurance requirements. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map.

ZONE VE Flood Hazard Area (SFHA) subject to special flood insurance requirements. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map. The 1% annual chance flood elevation is shown on the map.

FLOODWAY AREAS IN ZONE AE

The boundary of a floodway area is shown on the map. The boundary of a floodway area is shown on the map. The boundary of a floodway area is shown on the map.

OTHER FLOOD AREAS

The boundary of a floodway area is shown on the map. The boundary of a floodway area is shown on the map. The boundary of a floodway area is shown on the map.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

CBRS areas are shown on the map. CBRS areas are shown on the map. CBRS areas are shown on the map.

OTHERWISE PROTECTED AREAS (OPA)

OPAs are shown on the map. OPAs are shown on the map. OPAs are shown on the map.

MAP SCALE: 1" = 500' (1:500)

FIRM FLOOD INSURANCE RATE MAP NORTH CAROLINA

PANEL 322U

PANEL 322I

DATE OF ORIGINAL MAP: 1983

DATE OF THIS MAP: 2006

EFFECTIVE DATE: APRIL 3, 2006

MAP NUMBER: 370322100

CONTRACT NUMBER: 370308

CONTRACT DATE: 2005

CONTRACT VALUE: \$1,000,000

CONTRACT TYPE: FIRM

CONTRACT DESCRIPTION: FIRM FLOOD INSURANCE RATE MAP

CONTRACT LOCATION: NEW HANOVER COUNTY

CONTRACT COUNTY: NEW HANOVER COUNTY

CONTRACT STATE: NORTH CAROLINA

CONTRACT FEDERAL AGENCY: FEDERAL EMERGENCY MANAGEMENT AGENCY

CONTRACT FEDERAL AGENCY ADDRESS: 500 MILITARY AVENUE, WASHINGTON, DC 20543

CONTRACT FEDERAL AGENCY PHONE: (202) 646-3900

CONTRACT FEDERAL AGENCY FAX: (202) 646-3900

CONTRACT FEDERAL AGENCY WEBSITE: www.fema.gov

CONTRACT FEDERAL AGENCY CONTACT: FEMA

CONTRACT FEDERAL AGENCY CONTACT ADDRESS: 500 MILITARY AVENUE, WASHINGTON, DC 20543

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Appendix L

Sound in Lay Terms

Appendix L – Sound in Lay Terms

Sounds we hear come from small pressure oscillations, or sound waves, that travel through the air and actuate our hearing mechanism. These airborne pressure oscillations cause the eardrum and small bones of the middle ear to vibrate. These vibrations are transmitted to the fluid-filled cochlea of the inner ear's sensory organ. Sensory hair cells then transduce these vibrations into nerve impulses that are transmitted to the brain, where they are perceived and interpreted.

Noise is often defined as unwanted sound, and the degree of disturbance or annoyance of an intruding noise depends on various factors, including the magnitude and nature of the intruding noise, the magnitude of the background or ambient sound present without the intruding noise, and the nature of the activity of people in the area where the noise is heard. For example, people relaxing at home generally prefer a quiet environment, whereas factory employees may be accustomed to relatively high noise levels when at work.

The magnitude, or loudness, of sound waves (pressure oscillations) is described quantitatively by the terms sound pressure level, sound level, or simply noise level. The magnitude of a sound is measured in decibels, abbreviated dB. Decibels are used to quantify sound pressure levels just as degrees are used to quantify temperature and inches are used to quantify distance. The faintest sound level that can be heard by a young healthy ear is about 0 dB, a moderate sound level is about 50 dB, and a loud sound level is about 100 dB. Various common outdoor sound levels are listed below.

130 dBA	Loud siren at 100 feet
95 dBA	Pile driver at 100 feet
80 dBA	Truck at 100 feet
65 dBA	Lawn mower at 100 feet
60 dBA	Average speech
55 dBA	Automobile 30 miles per hour at 100 feet
50 dBA	Quiet urban daytime
35 dBA	Quiet suburban nighttime
25 dBA	Quiet rural nighttime

Sound energy spreads as it travels away from its source, causing the sound level to diminish. Other factors that reduce sound levels include absorption in the atmosphere, diffraction and refraction in the atmosphere, and terrain.

The frequency of a sound is analogous to its tonal quality or pitch. The unit for frequency is hertz, abbreviated Hz (formerly cycles per second or cps). Thus, if a sound wave oscillates 500 times per second, its frequency is 500 Hz. The fundamental frequency of Middle C on a piano keyboard, for example, is 262 Hz. However, most sounds include a composite of many frequencies and are characterized as broad band or random. The normal frequency range of human hearing extends from a low frequency of about 20 to 50 Hz (a rumbling sound) up to a high frequency of about 10,000 to 15,000 Hz (a hissing sound) or even higher for some people. People have different hearing sensitivity to different frequencies and generally hear best in the mid-frequency region that is common to human speech, about 500 to 4000 Hz.

Sound level meters are usually equipped with electronic filters or weighting circuits, as specified in American National Standards Institute's ANSI S1.4-1983, *American National Standard Specification for Sound Level Meters*, for the purpose of simulating the frequency response characteristics of the human ear. The A-weighting filter included with essentially all sound level meters is most commonly employed

for this purpose because the measured sound level data correlate well with subjective response to sounds. Sound levels measured using the A-weighting network are designated by dBA.

The background or ambient acoustic environment in most communities varies from place to place and varies with time at any given location due to the composite of many nearby and distant sound sources. The ambient environment includes high sound-level single events, such as the passing of an airplane or nearby car, the barking of a dog, thunder, or a siren. The ambient acoustic environment also includes relatively steady residual or background sounds caused by sources such as distant traffic and ventilation equipment. Single-event sounds usually occur less during the late night hours from about midnight to 5:00 a.m., and the amplitude of background sound is usually lower during this time period. Indeed, the ambient sound level at a location is related to the amount of human activity in its vicinity. The amplitude statistics of this rather complex acoustic environment are considered to be non-Gaussian (because of the presence of the lower-level residual background sounds) and non-stationary (because of diurnal and seasonal variations).

At any location, a complete physical description of the ambient acoustic environment might include its sound level at various frequencies, as a function of time. As a first step towards simplifying this multi-dimensional description, it has become common practice to eliminate the frequency variable by measuring the A-weighted sound level (dBA), as observed on a standard sound-level meter. The A-weighting filter emphasizes the mid-frequency components of sounds to approximate the frequency response of the human ear. A-weighted sound levels correlate well with our perception of most sounds.

To evaluate impacts and report time-varying ambient sound levels, it is common practice, using the A-weighted scale, to measure the equivalent sound level and the day–night sound level. The equivalent sound level (L_{EQ}) is the level of a steady-state sound that has the same (equivalent) energy as the time-varying sound of interest, taken over a specified time period. Thus, the equivalent sound level is a single-valued level that expresses the time-averaged total energy of the entire ambient sound energy. It includes both the high-level single event sounds and the relatively steady background sounds. The day–night sound level (L_{DN}) is simply the average equivalent sound for 24-hours after 10 dBA has been added to the nighttime sound levels from 10:00 p.m. to 7:00 a.m. Adding 10 dBA to the nighttime sound levels accounts for people's expectations that nighttime be a quiet period. Both the equivalent sound level and the day–night sound levels have been selected by the U.S. Environmental Protection Agency (EPA) as the best descriptors to use for the purpose of identifying and evaluating levels of environmental noise.

Other parameters that are commonly used to characterize the ambient sound environment in addition to L_{EQ} and L_{DN} include: L1 (sound level exceeded 1% of time period), which commonly represents the maximum sound level; L50 (sound level exceeded 50% of time period), which is an average sound level; and L90 (sound level exceeded 90% of time period), which is the residual sound level observed during the absence of short-term intrusive sounds.

Appendix M

Summary of Weather Data Collected for the Site Sound Survey

List of Figures

M-1 Weather summary for October 30, 2007..... M-1
M-2 Weather summary for October 31, 2007..... M-2
M-3 Weather summary for November 1, 2007..... M-3

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)
NOAA, National Climatic Data Center
Month: 10/2007

Station Location: WILMINGTON INTERNATIONAL AIRPORT (13748)

WILMINGTON, NC

Lat. 34.268 Lon. -77.906

Elevation(Ground): 24 ft. above sea level

Date	Temperature (Fahrenheit)		Degree Days Base 65 Degrees			Sun		Significant Weather	Snow/Ice on Ground (In)				Precipitation			Pressure (inches of Hg)		Wind: Speed=mph Dir=tens of degrees			Data			
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg. Wet Bulb	Heating		Cooling	Sunrise LST	Sunset LST	1200 UTC	1800 UTC	2400 UTC	LST	LST	LST	Avg. Station	Avg. Sea Level	Resultant Speed		Res. Dir	Avg. Speed	max 5-second
1	2	3	4	5	6	7	8	9	10	11	13	14	15	16	17	18	19	20	21	22	23	24	25	26
30	70	43*	57	-4	45	50	8	0	0630	1721	0	M	0.0	0.00	30.36	30.40	6.1	04	6.7	18	030	16	040	30

Reference: NOAA, 2007.

Figure M-1. Weather summary for October 30, 2007.

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA (final) NOAA, National Climatic Data Center Month: 10/2007										Station Location: WILMINGTON INTERNATIONAL AIRPORT (13748) WILMINGTON, NC Lat. 34.268 Lon. -77.906 Elevation(Ground): 24 ft. above sea level																			
Date	Temperature (Fahrenheit)			Degree Days Base 65 Degrees			Sun			Significant Weather			Snow/Ice on Ground(In) (In)			Precipitation			Pressure(inches of Hg)			Wind: Speed=mph Dir=tens of degrees							
	Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.	Avg. Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST		1200 UTC	1800 UTC	2400 UTC	LST	LST	LST	Avg. Station	Avg. Sea Level	Resultant Speed	Res Dir	Avg. Speed	max 5-second	max 2-minute	Dir	Speed	Dir	Speed	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	17	18	19	20	21	22	23	24	25	26		
31	75	52	64	4	54	58	1	0	0630	1720		0	M	0.0	0.00	30.23	30.25	7.9	06	8.2	23	070	18	070	31				

Reference: NOAA, 2007.

Figure M-2. Weather summary for October 31, 2007.

Temperature (Fahrenheit)		Degree Days Base 65 Degrees			Sun		Significant Weather	Snow/Ice on Ground(In) (In)			Precipitation		Pressure(inches of Hg)		Wind: Speed=mph Dir=tens of degrees				D a t e						
		Max.	Min.	Avg.	Dep From Normal	Avg. Dew pt.		Avg Wet Bulb	Heating	Cooling	Sunrise LST	Sunset LST	1200 UTC	1800 UTC	2400 LST	2400 LST	Avg. Station	Avg. Sea Level		Resultant Speed	Res. Dir	Avg. Speed	max 5-second Speed	max 2-minute Speed	
1	2	3	4	5	6	7	8	9	9	10	11	13	14	15	16	17	18	19	20	21	22	23	24	25	26
01	81*	57	69	9	55	60	0	4	0631	1719	0	M	0.0	0.00	30.01	30.03	7.0	02	7.1	20	020	15	030	01	

QUALITY CONTROLLED LOCAL CLIMATOLOGICAL DATA

(final)
NOAA, National Climatic Data Center
Month: 11/2007

Station Location: WILMINGTON INTERNATIONAL AIRPORT (13748)
WILMINGTON, NC
Lat. 34.268 Lon. -77.906
Elevation(Ground): 24 ft. above sea level

Reference: NOAA, 2007.

Figure M-3. Weather summary for November 1, 2007.

Appendix N

New Hanover County Noise Ordinance: Chapter 23, Article II. Noise

(Reference: New Hanover County, 2007)

ARTICLE II. NOISE*

***State law references:** Noise regulation, G.S. 153A-133.

Sec. 23-31. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

"A" weighing scale (as defined in standard 1.4 of the Standard Specifications for Sound Level Meters, American National Standards Institute, 1971) means one of three frequency response networks included in sound level meters. The "A" scale is designed to give an approximate evaluation of subjective response in terms of both loudness and annoyance.

Ambient noise means the all-encompassing noise associated with a given environment, being usually a composite of sounds from any sources, near and far.

Decibel means a unit of level used to measure sound intensity, equal to the logarithm of the ratio of the intensity of the sound to reference pressure.

Sound level meter means an instrument which includes a microphone, an amplifier, an output meter and frequency weighing networks for the measurement of noise and sound level in a specific manner.

(Code 1978, § 11-55)

Cross references: Definitions generally, § 1-2.

Sec. 23-32. Noise measurement.

(a) For the purpose of determining decibel levels, the noise shall be measured on the "A" weighing scale on a sound level meter of standard design and quality having characteristics established by the American National Standards Institute and the ambient noise level shall be measured immediately after cessation of any sound which, when combined with the ambient noise, exceeds decibel limits set forth in this article.

(b) Except for noise within multifamily or multitenanted structures, noise measurements shall be made at the nearest corner of the complaining primary structure but when the measurement in such location is not practical, noise measurements may be made at the boundary of the public right-of-way which adjoins the complaining property. Such noise measurements shall be made at a height of at least four feet above the ground and at a point approximately ten feet away from walls, barriers or obstructions (trees, bushes, etc.). In the case of noises within multifamily or multitenanted structures, noise measurements shall be made in the complaining unit of the multifamily or multitenanted structure at a height of at least four feet above the floor or in the common area nearest the unit from which the suspect sound is emanating and at a point approximately equidistant from all walls.

(c) No individual other than the operators shall be within ten feet of the sound level meter during the sample period.

(d) The sound level measurements shall be determined as follows:

- (1) Calibrate the sound level meter within one hour before use.
- (2) Set the sound level meter on the "A" weighted network.
- (3) Set the omnidirectional microphone in an approximately 70-degree position in a location which complies with subsection (b) of this section.

(e) It shall be unlawful for any person to interfere, through the use of sound or otherwise, with the taking of sound level measurement.

(Code 1978, § 11-56)

Sec. 23-33. Noises prohibited generally.

(a) *Nonresidentially zoned districts.* For nonresidentially zoned districts, it shall be unlawful for any person to cause or create any sound which, when combined with the ambient noise, exceeds 75 decibels re 0.0002 microbars on the "A" weighing scale. If the ambient noise level exceeds 75 decibels re 0.0002 microbars on the "A" weighing scale, a violation of this article shall occur only when such sound exceeds the ambient noise level by three decibels. Between the hours of 10:00 p.m. and 7:00 a.m. the above sound level shall be reduced to 70decibels.

(b) *Residentially zoned districts.* For residentially zoned districts, it shall be unlawful for any person to cause or create any sound which, when combined with the ambient noise, exceeds 65 decibels re 0.0002 microbars on the "A" weighing scale. If the ambient noise level exceeds 65 decibels re 0.0002 microbars on the "A" weighing scale, a violation of this article shall occur only when such sound exceeds the ambient noise level by three decibels. Between the hours of 10:00 p.m. and 7:00 a.m. the above sound level shall be reduced to 50 decibels.

(Code 1978, § 11-54)

Sec. 23-34. Sounds generally.

(a) Notwithstanding the decibel ranges set forth in section 23-33, a decibel level reading shall not be necessary for proving a violation of this section.

(b) It shall be unlawful to carry on the following activities:

- (1) Operate construction machinery and chainsaws between the hours of 9:00 p.m. and 7:00 a.m. in any residentially zoned area of the county.
- (2) Operate garage machinery between the hours of 9:00 p.m. and 7:00 a.m. in any residentially zoned area of the county.
- (3) Operate lawn mowers and other domestic tools out-of-doors between 9:30 p.m. and 6:30 a.m. in any residentially zoned area of the county.
- (4) Yelling, shouting, whistling or singing in such a manner as to annoy or disturb the quiet, comfort or repose of a reasonably prudent person.
- (5) The playing of any sound-magnifying device, radio, television, phonograph, amplifier system, tape deck, tape recorder, or musical instruments in such a manner or with such volume or as to create vibrations that annoy or disturb the quiet, comfort or repose of a reasonably prudent person.

(Code 1978, § 11-57)

Sec. 23-35. Sounds impacting schools, hospitals, churches, similar places.

It shall be unlawful to create any noise on any street adjacent to any school, institution of learning, library, hospital or court, while in session, or adjacent to any church services which interferes with the work or worship in any such place or institution.

(Code 1978, § 11-58)

Sec. 23-36. Exceptions to article.

The provisions of this article shall not apply to emergency operations designed to protect public health and safety or to aircraft operations at the county airport.

(Code 1978, § 11-59)

Sec. 23-37. Animals.

It shall be unlawful for any person to own, keep or have in his possession, or harbor any dog, other animal or bird which, by frequent or habitual howling, yelping, barking or otherwise, causes loud noises and produces seriously annoying disturbance to any person or to the neighborhood.

(Code 1978, § 11-61)

Cross references: Animals, ch. 5.

Sec. 23-38. Motor vehicles.

It shall be unlawful to operate or allow the operation of any motor vehicle in the county which has had its muffler-exhaust and/or other noise control equipment removed, altered or maintained in such disrepair as to create loud and disturbing noises.

(Code 1978, § 11-62)

Cross references: Traffic and vehicles, ch. 53.

Sec. 23-39. Owner's responsibility.

The owner of every premises shall be responsible and liable for the actions of his tenants of which the owner has knowledge when such actions violate this article. A letter from the sheriff's department or county attorney's office enumerating tenant violation or a copy of a prior citation issued to the tenant shall be provided to the landlord to give actual notice of the existence of a violation under this article. Thereafter, such violation by his tenants shall result in owner responsibility under this article. However, violations by his tenants shall subject the owner only to civil penalties and/or civil action set forth in section 23-40, and G.S. 153A-123(a), (c), (d), (e), (f) and (g), and the owner shall not incur criminal penalties for violations by his tenants. This owner's responsibility provision shall in no way relieve any tenant from liability for any violations of this article.

(Code 1978, § 11-63)

Sec. 23-40. Penalty.

- (a) Any person who violates the provisions of this article shall receive a citation which subjects the offender to a civil penalty of \$100.00 for a first offense, \$300.00 for a second offense, and \$500.00 for a third or subsequent offense. The penalty may be recovered by the county in a civil action in the nature of debt if the offender does not pay the penalty within 20 days after being

ARTICLE II. NOISE*

<http://library2.municode.com/mcc/DocView/11337/1/58/60?hilite=noise;...>

cited. Each day of a continuing violation shall constitute a separate offense under this article.

(b) Violation of the provisions of this article shall constitute a Class 3 misdemeanor, punishable by a fine of up to \$500.00. Each violation thereafter shall constitute a separate offense.

(Code 1978, § 11-64; Ord. of 3-13-2006, §§ 1, 2)

Secs. 23-41--23-70. Reserved.