Duke Energy®

T. PRESTON GILLESPIE, Jr.
Vice President
Oconee Nuclear Station

Duke Energy
ON01VP / 7800 Rochester Hwy.
Seneca, SC 29672

864-873-4478
864-873-4208 fax
T.Gillespie@duke-energy.com

November 27, 2012

10 CFR 50.54(f)

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
11555 Rockville Pike
Rockville, MD 20852

Subject: Duke Energy Carolinas, LLC (Duke Energy)
Oconee Nuclear Station (ONS), Units 1, 2 and 3
Docket Nos. 50-269, 50-270, and 50-287

Seismic Walkdown Information Requested by NRC Letter, *Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident*; dated March 12, 2012

Reference:

1. NRC Letter, *Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident*, dated March 12, 2012

2. EPRI 1025286, *Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic*, Final, dated June 2012

On March 12, 2012, the NRC staff issued a Request for Information in accordance with 10 CFR 50.54 (Reference 1). Enclosure 3 of Reference 1 contains specific requests associated with Recommendation 2.3 for Seismic Walkdowns, which required a written response to be submitted within 120 days.

Duke Energy submitted its response on July 9, 2012, which in part, confirmed that Duke Energy would use the NRC endorsed industry guideline, EPRI 1025286 (Reference 2), as the basis for performing Seismic walkdowns at the Oconee Nuclear Station (ONS). Based on the date EPRI 1025286 was endorsed, May 31, 2012, and the schedule presented in Reference 1, the report associated with the seismic walkdowns at ONS is to be submitted to the NRC by November 27, 2012.

Enclosures 1, 2, and 3 contain the seismic walkdown reports for ONS Units 1, 2, and 3 respectively, and address the information request from Reference 1, as outlined in Section 8 of EPRI 1025286. Each of these enclosures includes an Attachment 5 which contains information that is Security-Sensitive. These attachments are requested to be withheld from public disclosure in accordance with 10CFR 2.390(d)(1).

Attachment 5 of Enclosures 1, 2 and 3 Contains Security-Sensitive Information - Withhold From Public Disclosure Pursuant to 10 CFR 2.390(d)(1)
(Upon removal of Enclosures 1, 2 and 3, this letter is uncontrolled.
Also upon removal of Attachment 5 from its respective Enclosure, that Enclosure is uncontrolled)

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NRR

Multiple components in all three units at ONS were not able to be inspected due to inaccessibility. A list of these components and a schedule for completing the walkdown of these components is provided for each unit in Section 4 of the respective unit's walkdown report (contained in Enclosure 1, 2 and 3 respectively). In accordance with EPRI Report 1025286, ONS will submit an update to each respective report (i.e. Enclosure), after a walkdown of the inaccessible components is complete. The commitment to submit updates is described in Enclosure 4.

This submittal has been reviewed by licensee management, representing the technical staff, regulatory staff, and senior management, in accordance with Duke Energy procedures and processes.

Should you have any questions concerning this letter, or require additional information, please contact David Haile at (864) 873-4742.

I declare under penalty of perjury that the foregoing is true and correct. Executed on November 27, 2012

Sincerely,

TPGillespie

T. P. Gillespie Jr., Vice President,
Oconee Nuclear Station

Enclosures

1. Unit 1 Seismic Walkdown Report - NRC 50.54 (f) NTTF Recommendation 2.3
2. Unit 2 Seismic Walkdown Report - NRC 50.54 (f) NTTF Recommendation 2.3
3. Unit 3 Seismic Walkdown Report - NRC 50.54 (f) NTTF Recommendation 2.3
4. List of Voluntary Regulatory Commitments

xc:

Mr. Victor M. McCree, Administrator, Region II
U.S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Ave., NE, Suite 1200
Atlanta, GA 30303-1257

Eric J. Leeds, Director, Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
One White Flint North, Mailstop 13-H16M
11555 Rockville Pike
Rockville, MD 20852-2738

Mr. John P. Boska, Project Manager (ONS)
(By electronic mail only)
U. S. Nuclear Regulatory Commission
One White Flint North, M/S O-8G9A
11555 Rockville Pike
Rockville, MD 20852

NRC Senior Resident Inspector
Oconee Nuclear Station

Enclosure 1

Unit 1 Seismic Walkdown Report
(NRC 50.54 (f) NTTF Recommendation 2.3)

Executive Summary

Electric Power Research Institute (EPRI) Report 1025286, Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic was issued in June 2012. This Document provides guidance and procedures to perform seismic walkdowns as required by the U.S. Nuclear Regulatory Commission's (NRC's) 50.54(f) letter regarding Near-Term Task Force (NTTF) Recommendation 2.3: Seismic. The EPRI guidance covers selection of personnel; selection of a sample of structures, systems, and components (SSCs) that represent diversity of component types and assures inclusion of components from critical systems / functions; conduct of the walkdowns; evaluation of potentially adverse conditions against the plant seismic licensing basis; and reporting requirements. It also includes check lists to be used by the Seismic Walkdown Engineers (SWEs) in performing the seismic walkdowns and walk-bys. Duke Energy committed to implement resolution of Near-Term Task Force (NTTF) Recommendation 2.3: Seismic using EPRI Report 1025286 in a letter to the NRC dated 7/9/2012.

1. Seismic Licensing Basis

The seismic design basis for SSCs at Oconee nuclear station are defined in Section 3.7 of the UFSAR. Due to the vintage of Oconee nuclear station, some seismic terminology is not consistent with current terminology. The Operating Basis earthquake (OBE) is also referred to as the Design Basis earthquake (DBE) and the Safe Shutdown earthquake (SSE) is also referred to as the Maximum Hypothetical Earthquake (MHE).

1.1. Response Spectra

The seismic spectrum response curves for Oconee were generated by the time history technique of seismic analysis. The sample earthquake utilized is that recorded at El Centro, California, N-S, May 18, 1940. The Peak Ground Acceleration (PGA) for the Design Basis earthquake (DBE) is 0.05g. The PGA for the Maximum Hypothetical earthquake (MHE) for Class 1 Structures founded on rock is 0.1g. The PGA for the Maximum Hypothetical Earthquake (MHE) for Class 1 Structures founded on overburden is 0.15g.

1.2. Seismic Qualification

1.2.1. Seismic Qualification of Safety-Related Mechanical Equipment

When the response spectra at each elevation in the building have been determined, the G-loadings imposed on a component may then be determined. These loads are evaluated by the equipment supplier and in the case of complex components such as heat exchangers, the design calculations performed by the supplier are reviewed by B&W Engineering or Duke Energy, as applicable. The supplier has the freedom to use either of two alternate analytical methods to evaluate the equipment or he may choose to test it. Components maybe tested by either shaker or impact tests or a certification of the test results are required. In a few cases, a manufacturer's certification that the equipment would withstand seismic conditions is acceptable based on tests of similar equipment, an example of this would be similar type pumps. Analytically the evaluation can be made by calculating the natural frequency of the component, entering the appropriate damping curve and determining the amplification factor from the response spectrum curve. The equipment is then evaluated using these G-loadings. As an alternative, the component may be evaluated without calculating the natural frequency by using the peak amplification factor from the appropriate damping curve to determine

the equipment loads. This latter approach is conservative. Special attention is given to foundation and nozzle loadings for equipment such as tanks, pumps, heat exchangers, demineralizers and filters. Loads imposed by connecting piping on a given component are included and in some cases, component nozzles have had to be reinforced to accommodate these loads. Components which are most likely to require special reinforcement due to seismic loads, are long, horizontal, saddle mounted tanks, vertical tanks, mounted on legs, and stacked heat exchangers. These have all been evaluated and appropriately designed for the seismic conditions. An alternate method of seismic qualification for mechanical equipment (within the applicable equipment classes) would be an experience based approach. Seismic adequacy can be established using methods described in the Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment, Revision 3A, developed by the Seismic Qualification Utility Group (SQUG). This method is also commonly known as SQUG.

1.2.2. Seismic Qualification of Safety-Related Electrical Equipment

The seismic design basis for instrumentation and electrical equipment is that the electrical devices considered essential in performing Reactor Protection and Engineered Safeguards functions and in providing emergency power shall be designed to assure that they will not lose their capability to perform intended safety functions during and following the Safe Shutdown Earthquake (SSE). This basic criterion has remained unchanged since the issuance of the operating license; however, the seismic qualification techniques and documentation requirements for various plant modifications have in many instances followed the advances in the state of the art.

The seismic adequacy of all electrical cable tray supports is established by the methods and criteria established for cable tray supports in the Generic Implementation Procedure (GIP-3A) for Seismic Verification of Nuclear Plant Equipment, Rev 3A, developed by the Seismic Qualification Utility Group (SQUG).

In order to meet the seismic design objectives defined in UFSAR Section 3.10.1, the following seismic evaluation methods were employed consistent with the applicable licensing commitment.

Testing

Devices may be qualified by either shaker or impact tests. A certification of the test results or copies of the test results are required. Additionally, a manufacturer's certification that a certain type of equipment would withstand the seismic conditions is acceptable based on previous testing/experience with similar equipment.

Analysis

Devices may also be qualified by analytical methods. For example, one evaluation method involves calculating/determining the natural frequency of the device, entering the appropriate response spectra damping curves, and determining the corresponding amplification factor. The device is then evaluated using this "G" loading value. Alternatively, the devices may be evaluated without calculating/determining its natural frequency by using the peak amplification factor from the appropriate response spectra damping curve to determine the "G" loading.

An alternate method of seismic qualification for electrical equipment (within the applicable equipment classes) would be an experience based approach. Seismic adequacy can be established using methods described in the Generic Implementation

Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment, Revision 3A, developed by the Seismic Qualification Utility Group (SQUG). This method is also commonly known as SQUG.

1.3. Response to generic letter 87-02

Generic Letter 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46," was issued because the NRC concluded that the seismic adequacy of certain equipment in operating plants must be reviewed against seismic criteria developed during the resolution of Unresolved Safety Issue (USI) A-46.

The NRC determined that it is not feasible to require older operating plants to meet new licensing requirements that were not in use when plants were licensed. Therefore, an alternative method was selected to verify the seismic capability of equipment. This alternative method used a compilation of existing earthquake experience data supplemented by test data as the basis to verify the seismic capability of equipment. Generic Letter 87-02 allowed the seismic verification to be accomplished by utilities through a generic program, and the Seismic Qualification Utility Group (SQUG) was formed. The SQUG developed a Generic Implementation Procedure (GIP) that documents the seismic verification process, procedures, and methodologies for verifying the seismic qualification of equipment and resolving USI A-46. Supplement 1 of Generic Letter 87-02 endorsed use of the GIP for the seismic qualification process and contained revised licensee actions. Oconee performed the seismic qualification process in accordance with the NRC enforced version of the GIP. In a Safety Evaluation Report, the NRC concluded that Oconee met the purpose and intent of the seismic qualification process and that the corrective actions and modifications provide sufficient basis to close the USI A-46 review at Oconee.

The seismic verification process is considered part of the seismic licensing basis for Oconee, so the seismic qualification criteria developed by the SQUG in response to Generic Letter 87-02 must be considered during mechanical and electrical equipment modifications

1.4. Codes and Standards

The following codes, standards, and specifications were used during the design, construction, testing and in-service inspection of Class 1 Structures:

- ASME-1965 - Boiler and Pressure Vessel Code, Sections III, VIII, and IX
- AISC - Steel Construction Manual, 6th ed
- Regulatory Guide 1.92, Combining Responses And Spatial Components In Seismic Response Analysis, Revision 1, February 1976
- Regulatory Guide 1.29, Seismic Design Classification, Revision 3, September 1978
- Supplement No. 1 To Generic Letter (GL) 87-02 That Transmits Supplemental Safety Evaluation Report NO.2 (SSER NO. 2) On SQUG Generic Implementation Procedure Revision 2, As Correction On February 14, 1992 (GIP-2), May 22, 1992
- NRC Letter To SQUG Dated December 4, 1997. Supplemental Safety Evaluation Report NO. 3 (SSER NO. 3) On The Review Of Revision 3 To The Generic Implementation Procedure For Seismic Verification Of Nuclear Power Plant Equipment, Updated 5/16/97 (GIP-3)
- NRC Letter To SQUG Dated 6/23/99, Review Of Seismic Qualification Utility Group's Report on the use of Generic Implementation Procedure for New and Replacement Equipment and Parts

2. Personnel Qualifications

The personnel involved in the Oconee NTTF Recommendation 2.3 Seismic Walkdown effort met the qualification requirements of EPRI 1025286. The personnel responsibilities and qualifications are outlined in TABLE 2.1 below. (Note: PE=Professional Engineer, CLB=Current License Basis, SWEL= Seismic Walkdown Equipment List)

Table 2.1

Personnel	Degree	Years of Experience	Relevant Qualifications	Seismic walkdowns	SWEL Development	CLB Reviews	Peer Reviews
Russell Childs (Duke Energy)	BS/Civil Engineering	30	PE, SCE[1], SWE[2] IPEEE[6]		X[3]	X	
Ray Mc Coy (Duke Energy)	BS/Civil Engineering	32	PE,SCE			X	
Bob Hester (Duke Energy)	BS/Civil Engineering	36	PE,SCE			X	
Paul Mabry (Duke Energy)	BS/Nuclear Engineering	27	SRO[4], STA[5]		X		
Tommy Loflin (Duke Energy)	AS/Electrical Engineering	35+	SRO[4]		X		
Jim Weir (Duke Energy)	BS/Mechanical Engineering	31	SWE[2], SFC SYS ENG		X		
Charles M. Conselman (ARES)	BS/Civil Engineering	28	PE,SCE[1], SWE [2]	X[3]			
James White (ARES)	BS/Civil Engineering	42	PE,SCE[1], SWE [2]	X[3]			
John North (ARES)	BS/Civil Engineering	28	PE,SWE[2]	X[3]			
Mike Donnelly (ARES)	BS/Civil Engineering	4	SWE[2]	X			
Anthony Fazio (Shaw)	BS/Chemical Engineering	40+	SWE[2]	X			
John Spizuoco (Shaw)	BS/Mechanical Engineering	44	PE,SCE[1], SWE[2]	X			
Arthur Richert (Shaw)	BS/Mechanical Engineering	32	PE,SWE[2]	X			
Paul Baughman (ARES)	BS/Civil Engineering	>40	PE,SCE[1], SWE [2]				X[3]
George Bushnell (Shaw)	BS/Mechanical Engineering	>40	PE,SCE[1], SWE [2]				X
Robert L. Keiser (Duke Energy)	MS/Civil Engineering	>20	PE,SCE[1], SWE [2]				X

NOTES:
1) Seismic Capability Engineers (SCEs) who have successfully completed EPRI Experience Based Seismic Evaluation training.
2) Seismic Walkdown Engineers (SWEs) have successfully completed EPRI 1025286 2 day walkdown training course.
3) Senior Team Member.
4) Prior Senior Reactor Operator (SRO).
5) Prior Shift Technical Advisor
6) IPEEE seismic Walkdown Coordinator and current A-46/IPEE Program Owner (SQUG)

3. Selection of SSCs

The Oconee Unit 1 SWEL-1 and SWEL-2 equipment selection was performed in accordance with the EPRI guidance outlined in EPRI Technical Report #1025286. SWEL-1 represents a

sample of items to safely shut down the reactor and maintain containment integrity. SWEL-2 represents spent fuel pool related items.

The Oconee USI A-46/IPEEE Safe Shutdown Equipment List (SSEL) was used as the basis for the Base-1 equipment list. The scope of the Seismic Walkdown Equipment List (SWEL) is limited to SSCs that are classified as Seismic Category I. This is done such that items have a defined seismic licensing basis against which to evaluate the as-installed configuration. Oconee is a USI A-46 plant. The purpose of the USI A-46 program was to verify the seismic adequacy of essential equipment in older operating plants that had not been qualified in accordance with more recent criteria. Many of the SSC's listed in the USI A-46/IPEEE Safe Shut down Equipment List (SSEL) are not category I. However, Oconee programmatically maintains the seismic capability of these components. Therefore, for the purpose of developing the SWEL all USI A-46/IPEEE components are considered to have a seismic licensing basis.

The A-46/IPEEE SSEL effectively represents the output of EPRI guidance equipment Screening criteria's #1, #2 and #3. The underlying data used to generate the Base-1 list is contained in an ACCESS database. This ACCESS database was used to generate the Base-1 Equipment List from which the SWEL-1 was selected. The equipment comprising the Base-1 equipment list is contained in Attachment 1. Their individual Safety Function is identified as shown below. Some components support more than one safety function.

A. Reactor reactivity control
B. Reactor coolant pressure control
C. Reactor coolant inventory control
D. Decay heat removal
E. Containment function

The Base-1 Equipment List is comprised of 2264 components from Oconee Units 1, 2 & 3 & components that support all 3 Units (Common). The Base-1 Equipment list is contained in Attachment 1.

3.1. SWEL-1 Development

EPRI TN-1025286 specifies that the SWEL-1 should be comprised of between 90-120 components and that each unit should have its own individual SWEL-1.
357 of the Base-1 components are Common components that support all 3 units. In order to account for these common components, ~10% (39 items) of the base-1 common components were selected as SWEL-1 components. All of the 39 common components are considered to be part of each individual unit's SWEL-1.

The Unit 1 SWEL-1 consists of 131 components. Of these 131 components, 39 are common components which are also represented in each individual unit's SWEL-1. Attachment 2 contains the SWEL-1 components for Unit 1. The criteria for selection of equipment to be included in the SWEL are described in EPRI TN-1025286 section 3.

Screen #4 -- Sample Considerations -
Five sample selection attributes that should be represented in SWEL 1:

- A variety of types of systems
- Major new and replacement equipment
- A variety of types of equipment
- A variety of environments
- Equipment enhanced due to vulnerabilities identified during the IPEEE program

In addition to the five sample considerations listed above, the equipment selected for the SWEL-1 should include considerations of the contribution to Risk for the SSC's and should also include a review by appropriate Operations personnel.

SWEL-1 Systems -
The SWEL-1 equipment list represents 26 systems associated with the 5 safety functions.

SWEL-1 Types of Equipment -
The SWEL-1 list contains representative equipment from all equipment classes with the following exceptions:

- There are no equipment Class 11 (Chillers), Class 12 (Air Compressors), or Class 13 (Motor - Generators) components on the Unit 1 SWEL-1 list because they are not represented in the Base-1 list.
- There are no equipment Class 17 (Engine - Generators) components on the Unit 1 SWEL-1. The Standby Shutdown Facility (SSF) Diesel Engine (16 Cylinder) (0SSFDE000A) is listed on the Base-1 list. However, it was not selected as part of the SWEL-1 due to its inherently robust nature and the very low seismic input at its location.

SWEL-1 Equipment locations -
The SWEL-1 equipment list includes equipment located in a broad variety of areas and environments. These areas comprise multiple buildings and elevations and include equipment located both inside and outside. The equipment areas provide a broad range of equipment environmental conditions, which include:

- Mild environmental conditions with limited temperature and humidity variations (e.g. Control Room, Cable Rooms, Equipment Rooms, SSF Electrical Room, Relay House, etc.)
- Moderate environmental conditions (e.g. general areas of the Auxiliary Building, East & West Penetration Rooms, SSF Diesel Room, SSF Battery Room, Control Room Ventilation Rooms, etc.)
- Moderate to harsh environmental conditions (e.g. LPI/BS/HPI Pump Rooms, LPI Cooler Room, etc.)
- Harsh environmental conditions (e.g. Inside RB Containment, etc.).
- Partial exposure to outdoor environmental conditions (e.g. Switchyard, Intake Structure)
- Wet environments (Keowee Turbine Wheel Pit)

SWEL-1 Major New and Replacement Equipment -
In order to capture significant new and replacement equipment on the SWEL-1, a query was written which related the Base-1 equipment list to underlying data supporting Engineering Changes in the Duke Energy Nuclear Asset Suite Software (NAS). By doing this, a list EC's associated with all components on the Base-1 equipment list was generated. Editorial and minor modifications were then filtered out of the list. The following New and Replacement Equipment have been included in the Unit 1 SWEL-1.

Equip ID No.	Name	Engineering Change	MOD Description
1ASPT0117P	AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	EC0000099571	REPLACE OBSOLETE MOORE 352 CONTROLLER 1ASSS0017 WITH A SIEMENS 353 CONTROLLER
1CRDCACC1	DCRDCS CONTROL CABINET CC-1	EC0000078244	OD100219 - (REFURB) DIGITAL CONTROL ROD DRIVE CONTROL SYSTEM

Equip ID No.	Name	Engineering Change	MOD Description
1ELCASGLC1	STEAM GEN LOGIC CABINET	EC0000068112	NSM ON-13053/00/00/AL1 - (REFURB) AUTOMATIC FEEDWATER ISOLATION SYS (AFIS)
1ELIRPIR	UNIT 1 PNEUMATIC INSTR RACK	EC0000093683	OD501461 - UNIT 1 & 2 SFP LEVEL INTERLOCK SINGLE FAILURE
1ELPLPZR1B	600V PPB 1B (FOR PRESSURIZER HEATERS GROUP 1B, BANK 2)	EC0000106356	REPLACE 70 A AND 225 A PZR HTR BREAKERS IN REACTOR BUILDING WITH 80 A FUSES
1ELTF0CT1	XFMR CT-1	EC0000100369	REPLACE AGASTAT 2432ABB WITH AGASTAT 7032ABB
1HPIFT0007A	HPI A TRAIN INJ FLOW TRANS	EC0000089821	OD100076 - (REFURB) UNIT 1 INST LOOP UPGRADES AND NEW CRS
1ICCCA0001A	UNIT 1 ICCM TRAIN A CABINET	EC0000089821	OD100076 - (REFURB) UNIT 1 INST LOOP UPGRADES AND NEW CRS
1LPIFT0004P	LPI TRAIN 1B INJ FLOW TRANS (Powered by ICCM)	EC0000089821	OD100076 - (REFURB) UNIT 1 INST LOOP UPGRADES AND NEW CRS
1LPSFT0124	LPI COOLER 1A FLOW XMTR (1LPSW-251)	EC0000080263	OE400391 - DETERMINE REPLACEMENT FOR ROSEMOUNT 1151 TYPE J
1PPSCA0005	RPS C/ES C1	EC0000090482	(EC90482) (REFURB) UNIT 1 RPS REPLACEMENT MODIFICATION
1PPSCA0009	ES A2	EC0000090423	OD100066 - (REFURB) UNIT 1 ESFAS REPLACEMENT MODIFICATION
1PPSCA0011	ES C2	EC0000090423	OD100066 - (REFURB) UNIT 1 ESFAS REPLACEMENT MODIFICATION
1PPSCA0018	ES STATUS EVEN	EC0000090423	OD100066 - (REFURB) UNIT 1 ESFAS REPLACEMENT MODIFICATION
1RCLT0004P1	PRZ LEVEL TRANSMITTER	EC0000089821	OD100076 - (REFURB) UNIT 1 INST LOOP UPGRADES AND NEW CRS
1RCPT0226	U1 RC LOOP B PRESSURE	EC0000090682	OD100613 - REPLACE SSF CONTROL CONSOLE INDICATORS AND RCS PTS
1VSAH0011	AHU-11 CONTROL ROOM A/C	EC0000100110	REPLACE UNIT 1&2 CONTROL ROOM AHU 1-11

Oconee revised the modification process at the completion of the A-46/IPEEE programs to require plant modifications to evaluate impact to A-46/IPEEE components to ensure that the seismic capability of A-46/IPEEE components was not degraded.

Current site projects such as Protected Service Water (PSW) which are not operational and not currently credited within the Current Licensing Basis (CLB) of Oconee are not within the scope of the SWEL-1.

SWEL-1 Equipment Enhanced per IPEEE -

Significant IPEEE enhancements associated with the Base-1 equipment list as reported in the IPEEE submittal dated 12/15/1997 were identified. SWEL-1 SSCs were selected such that a sampling of SSCs which had been enhanced per IPEEE was included. The following SWEL-1 SSCs were enhanced due to IPEEE.

Equip ID No.	Name	Engineering Change	MOD Description
1BAGBD1UB2	CONTROL BOARD 1UB2	ONOE-12649	Relocate drawing sticks located behind 1UB2.
1ELBK1A	240/120V 1A REGULATOR OUTPUT BKR	ONOE-14009	Install additional bracing to unistrut frame supporting1A/1B/SW, 1A/MCB, 1B/MCB, 1A/REG, 1B/REG, 1A/XFMR & 1B/XFMR
1ELDI1ADB	ISOL DIODE ASSEMBLY 1ADB	ONOE-12675	Install washer plates to three North anchors of 1ADB
1ELLX1X4	600V LC 1X04	ONOE-14369	Weld transformer section of Load Centers 1X04 to embedded angle.

Equip ID No.	Name	Engineering Change	MOD Description
1ELLX1X9	600V LC 1X09	ONOE-13461	Add shims under load center at anchors on North side.
1ELMX1XC	MCC 1XC	ONOE-14370	Add back to back bolting to 1XC.
1ELMX1XGB	MCC 1XGB	ONOE-14360	Add back to back bolting to the 3 South most bays of 1XGB
1ELMX1XL	MCC 1XL	ONOE-14378	Add rigid support to cable tray above 1XL & 1XN in E-W direction.
1ELPL1DCA	125V DC 1DCA	ONOE-12778	Replace back right anchor for 1DCA
1ELPLPZR1B	600V PPB 1B (FOR PRESSURIZER HEATERS GROUP 1B BANK 2)	ONOE-09290	Replace missing or broken door latch on PPB 1B and adjacent PPB 1A & 1D.
1VSAH0011	AHU-11 CONTROL ROOM A/C	ONOE-15560	Install lateral seismic restraint.

SWEL-1 Risk Considerations -
EPRI TN-1025286 requires that the development of SWEL 1 should include consideration of the importance of the contribution to risk for the SSCs.

In response to IPEEE, Oconee utilized the results of seismic margin methodology walkdowns to enhance the existing seismic PRA. These results are documented in OSC-10225 "Seismic PRA/IPEEE Backup Calculations" and summarized in the Supplemental IPEEE submittal Report. From the conclusions presented in the Supplemental IPEEE submittal Report, PRA sequences involving loss of power and SSF response make up several of the most dominate PRA cut sets. SSC's supporting Keowee, the SSF, and the 230 KV switchyard are well represented in the SWEL-1.

In addition, input was obtained from the General Office PRA group to determine a ranking of the most seismically risk significant components.

Of the 31 unscreened PRA events with a contribution to CDF of greater than 0%, 19 are represented in the combined SWEL-1's for Units 1, 2 & 3. This represents 61% of PRA risk significant components and meets then intent of EPRI TN-1025286.

SWEL-1 Operations review -
The SWEL-1 equipment listed was submitted to Oconee Operations for review as recommended within EPRI TN-1025286. Operations concurred with the equipment listed on the SWEL-1 list. The SWEL-2 equipment list was developed within the Oconee Engineering organization by a highly experienced engineer who had previously held a Senior Reactor Operators License (SRO) and was previously an Operations Shift Technical Advisor (STA).

3.2. SWEL-2 Development

The Oconee Unit 1 SWEL-2 spent fuel pool equipment list was developed in accordance with the EPRI guidance. Seismic Category I structures, piping, and containment penetrations were specifically excluded by the EPRI guidance. The four screening criteria specified were as follows:

1) Seismic Category I or USI A-46 (SQUG) licensing bases,
2) Spent Fuel Pool (SFP) equipment appropriate for an equipment walkdown process,
3) Sample considerations represent broad population of equipment with considered sample selection attributes such as:
   a. represent a variety of systems,

b. major new/replacement equipment,
c. variety of equipment types,
d. variety of environments

4) Equipment which could result in rapid drain down of the SFP (includes both seismic and non-seismic components and similar factors outlined in 3) above.

The SWEL-2 equipment Base-2 (Attachment 3) was established based on screens #1 and #2 above. Equipment was selected from the Base-2 list based on screening criteria #3 above, and primarily included major equipment such as the spent fuel cooling system pumps, pump motor air handling units, and heat-exchangers.

The SWEL-2 list was further evaluated based on screening criteria #4 above, to include equipment which could result in SFP rapid drain-down, as defined by the EPRI guidance.

All three Oconee Unit's have SF Pool transfer tubes that open to the SF Pool in normal operation. The SSF RC Make-up and letdown lines penetrate into the SF Pool transfer tubes. The SSF Make-up and Letdown lines meet Seismic Category 1. There were also SF Pool discharge lines at valves SF22&50 and 3SF-22&50 that could meet the criteria for a rapid drain down due to a siphon if the SF Cooling pump discharge piping, which meets Seismic Category 1, were to fail outside the SF Pool. However, this vulnerability had previously been identified and procedure requirements prevent system alignment and thereby remove this vulnerability. For these reasons, there are no rapid draw down items on the SWEL-2.

The SWEL-2 components were selected based on their radiological accessibility. Of the 3 pumps identified in the SWEL-2 base list, 2 were included in the SWEL-2. Of the 7 Tanks identified in the SWEL-2 base list, 4 were included in the SWEL-2. This sampling is in accordance with EPRI TN-1025286.

The final SWEL-2 list is provided in Attachment 4.

4. Seismic Walkdowns and Area Walk-Bys

SWEL-1 SSCs which could only be accessed during an outage will be walked down by Duke Energy personnel and reported on at a later date. These SSCs are listed below.

Unit	Bldg	Equip ID No:	Name
1	AB	1MSVA0006	MAIN STEAM SAFETY RELIEF
1	AB	1MSVA0010	MAIN STEAM SAFETY RELIEF
1	RB	1ELPLPZR1B	600V PPB 1B (FOR PRESSURIZER HEATERS GROUP 1B BANK 2)
1	RB	1FDWLT0082	SG 1A LEVEL TRANSMITTER
1	RB	1HPIPU0005	SSF RC MAKEUP PUMP
1	RB	1RBCAH0020A	RBCU FAN 1A
1	RB	1RBCHX000DAUX	AUX RBCU D
1	RB	1RCLT0004P1	PRZ LEVEL TRANSMITTER
1	RB	1RCPT0166P	RCS LOOP B PRESS TRANS
1	RB	1RCPT0226	U1 RC LOOP B PRESSURE
1	RB	1RCRD0006A	A1 COLD LEG RTD
1	RB	1RCVA0066	PRZ PORV
1	RB	1RCVA0159	RV VENT ISOLATION

Duke Energy contracted with the Shaw Group / ARES Corporation team to perform the majority of the NTTF 2.3 seismic walkdowns at Oconee Nuclear Station. A summary report of the walkdowns along with the individual Seismic Walkdown Checklists and the Area Walk-By Checklists are contained in this report. The NTTF 2.3 Seismic Walkdown Report for Unit 1 is contained in Attachment 5. Items found to be inaccessible during this walkdown are addressed below.

Inaccessible SSCs -
Several Unit 1 SSC's were inaccessible due to their physical location or due to personnel safety concerns. These items are listed below.

Unit	Bldg	Equip ID No.	Name
1	TB	1ELLX1X4	600V LC 1X04
1	AB	1ELLX1X9	600V LC 1X09
1	AB	1VSAH0011	AHU-11 CONTROL ROOM A/C

The anchorage for one SSC was only partially visible due to some of the welds being covered by mortar spillage from an adjacent masonry wall. A station Work request has been written to clean the weld area and the welds will be evaluated at a later date. This Item and several other inaccessible items listed below are common to all 3 units but will be included in the Unit 1 update report.

Unit	Bldg	Equip ID No.	Name
0	SYD	0SYDPLSYDC1	SWITCHYARD DISTRIBUTION CENTER 1
K1	KEO	K1PMGDTMPU1A	SPEED CONTROL MAGNETIC PICKUP 1A
K2	KEO	K2ELKTN0203	TERM BOX TB-203
K2	KEO	K2GAHX0003	GEN AIR COOLER 3
K2	KEO	K2HPOPU88HA	AC GEN HP LIFT PUMP (88HA)
K2	KEO	K2TSLS63SB	TURB SUMP LEVEL SWITCH (2TSLS0002)

An update to this report will be submitted by July 1, 2013. The update will provide the results associated with the Outage deferred items and the inaccessible items above. Associated Area Walk bys for the listed components will be completed in conjunction with the individual SSC's.

5. Licensing Basis Evaluations

A total of 17 potential adverse conditions were identified per the Seismic Walkdowns and the Area walk-by's. All of these potential issues were entered into the Corrective Action Program (CAP). All potential adverse conditions were evaluated for their compliance with the seismic licensing basis within the CAP and were found to be acceptable. Station Work Requests were written for some conditions as good practice. The potential adverse conditions and their individual Problem Investigation process (PIP) tracking numbers are listed in the NTTF 2.3 Seismic Walkdown Report for Unit 1 contained in Attachment 5.

6. IPEEE Vulnerabilities Resolution Report

Oconee submitted its response to IPEEE on 12/21/1995 & 12/15/1997. In those submittals, Oconee stated that there were no underlying significant sequences (vulnerabilities) from external events. There were also no plant changes identified that would significantly reduce risk from external events.

Table 6-1 of the IPEEE Submittal dated 12/15/1997 listed 152 enhancements. The enhancements identified have been completed by either Station Work Request, Plant Modification or Analysis.

Oconee is a USI A-46 plant and performed the USI A-46 walkdowns in conjunction with the IPEEE walkdowns. In Oconee's letter to the NRC dated 9/12/2002, Oconee confirmed that outliers associated with Generic Letter 87-02 (USI A-46) have been completed. Oconee performed the USI A-46 seismic evaluations in conjunction with the IPEEE evaluations. The criteria for both programs were conservatively enveloped such that an evaluation of a given component would address all aspects of both programs. IPEEE enhancements are a subset of the overall USI A-46 outliers. Therefore, implementation of the IPEEE enhancements is confirmed by the 9/12/2002 SQUG Outlier Resolution Completion Notice.

7. Peer Review

Duke Energy (Duke) contracted with the Shaw Group (Shaw) / ARES Corporation (ARES) Team to perform the NTTF 2.3 peer review at the Oconee Nuclear Station (ONS). The Peer Review Report is contained in Attachment 6.

The Peer Review Team consisted of three individuals, all of whom have seismic engineering experience as it applies to nuclear power plants. These individuals participated in the peer review of each of the activities. The members of the Peer review team and their qualifications are listed in table 2.1

The Peer Review team concluded that the Shaw/ARES methodology conforms to the guidance in Section 6 of EPRI 1025286. The peer review covered the following:

- The selection of the SSCs included on the Seismic Walkdown Equipment List (SWEL).
- A sample of the checklists prepared for the seismic walkdowns and area walk-bys.
- The licensing basis evaluations.
- The decisions for entering the potentially adverse conditions in the Corrective Action Program (CAP) process.
- The submittal report.

The peer review process for the SWEL development and the seismic walkdowns consisted of the following:

- Reviewing the activity guidance in EPRI 1025286, the NEI Q&A bulletins, the NEI first-mover reports, and NRC Temporary Instruction 2515/188.
- Conducting an in-process review at the plant site, including interviews with the personnel performing the activity and reviewing in-process documentation.
- Performing an in-plant surveillance (for the walkdown activity) of a seismic walkdown and an area walk-by.
- Providing in-process observations and comments to the personnel performing the activities.
- Conducting a final review of a sample of the completed documentation.

The peer review process for the licensing basis evaluations and the decisions for entering potentially adverse conditions into the CAP consisted of reviewing the overall review process and a sample of the licensing basis reviews. The peer review process for the submittal report consisted of reviewing the draft submittal prepared by Oconee Design Engineering for licensing review.

The conclusion of the peer review is that the ONS NTTF 2.3 seismic walkdown effort has been conducted in accordance with the guidance in EPRI 1025286. Comments made during the in-process review of the SWEL development and the walkdowns have been addressed satisfactorily. In-process comments on the final walkdown reports, the licensing basis reviews, and the submittal have also been resolved.

REFERENCES:

1) UFSAR Section 3.2.1 Seismic Classification (Rev. 21)
2) UFSAR Section 2.5.1.2 Site Geology (Rev. 21)
3) UFSAR Sections 2.5.2.10, 2.5.2.11 SSE/OBE (Rev. 21)
4) UFSAR Section 3.7 Seismic Design (Rev. 21)
5) EPRI Report 1025286, Dated May 2012, Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force (NTTF) Recommendation 2.3 (ATTACHMENT 1).
6) Oconee NRC Response to GL 88-20, Individual Plant Examination of External Events (IPEEE) Submittal, dated Dec. 18, 1997, W. R. McCollum Jr. to NRC.
7) 7/9/12 correspondence to NRC from Ben C. Waldrep, "Response to NRC Request for Information Pursuant to 10 CFR 50.54(f) Regarding the Seismic Aspects of Recommendation 2.3 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident"

ATTACHMENTS:

1) Oconee Unit 1 SWEL-1 Base-1 List
2) Oconee Unit 1 SWEL-1
3) Oconee Unit 1 SWEL-2 Base-2 List and Rapid Drain Down List
4) Oconee Unit 1 SWEL-2
5) Seismic Walkdown Summary Report and Checklists
6) PEER Review Summary Report

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	CC	CD	0001	SSF HVAC CONDENSER 1	SSF	817	B,C
0	CC	CD	0002	SSF HVAC CONDENSER 2	SSF	817	B,C
0	CC	PU	0001	AUX SERVICE WATER PUMP	AB	771	D
0	CC	PU	0002	SSF AUX SERVICE WATER PUMP	SSF	754	D
0	CC	PU	0003	HVAC SERVICE WTR PUMP 1	SSF	754	B,C
0	CC	PU	0004	HVAC SERVICE WTR PUMP 2	SSF	754	B,C
0	CC	PU	0005	SSF DIESEL WATER JACKET PUMP	SSF	754	B,C
0	CC	PU	0010	SSF SUBMERSIBLE PUMP	SSF	796	B,C
0	DA	TK	000A	DIESEL STARTING AIR TANK A	SSF	777	B,C
0	DA	TK	000B	DIESEL STARTING AIR TANK B	SSF	777	B,C
0	DA	TK	000C	DIESEL STARTING AIR TANK C	SSF	777	B,C
0	DA	TK	000D	DIESEL STARTING AIR TANK D	SSF	777	B,C
0	DJW	HX	000A	SSF DJW HEAT EXCHANGER A	SSF	777	B,C
0	DJW	HX	000B	SSF DJW HEAT EXCHANGER B	SSF	777	B,C
0	EL	BS	4160CT4	4160V STANDBY BUS FDR FROM XFMR CT4 TO B1T & B2T	TB	796	A, B, C, D, E
0	EL	BS	CCTRENCH	CONTROL CABLE TRENCH (SWYD TO OCONEE)	SYD	770	A, B, C, D, E
0	EL	BS	UFCT4	UNDERGROUND FEEDER (KEOWEE TO CT4)	SYD	770	A, B, C, D, E
0	EL	CA	SYTC1	SWYD TERMINAL CABINET 01	SYD	770	A, B, C, D, E
0	EL	CA	SYTC12	SWYD TERMINAL CABINET 12	SYD	770	A, B, C, D, E
0	EL	CA	SYTC15	SWYD TERMINAL CABINET 15	SYD	770	A, B, C, D, E
0	EL	CA	SYTC17	SWYD TERMINAL CABINET 17	SYD	770	A, B, C, D, E
0	EL	CA	SYTC18	SWYD TERMINAL CABINET 18	SYD	770	A, B, C, D, E
0	EL	CA	SYTC19	SWYD TERMINAL CABINET 19	SYD	770	A, B, C, D, E
0	EL	CA	SYTC2	SWYD TERMINAL CABINET 02	SYD	770	A, B, C, D, E
0	EL	CA	SYTC3	SWYD TERMINAL CABINET 03	SYD	770	A, B, C, D, E
0	EL	CA	SYTC4	SWYD TERMINAL CABINET 04	SYD	770	A, B, C, D, E
0	EL	CA	SYTC5	SWYD TERMINAL CABINET 05	SYD	770	A, B, C, D, E
0	EL	CA	SYTC8	SWYD TERMINAL CABINET 08	SYD	770	A, B, C, D, E
0	EL	PL	CT4FSC	CT4 FAN SPEED CABINET	TB	796	A, B, C, D, E
0	EL	PL	DCSF	125 VDC POWER PNL BRD DCSF	SSF	777	A, B, C, D, E
0	EL	PL	DCSF1	125 VDC DISTRIBUTION CENTER DCSF-1	SSF	777	A, B, C, D, E
0	EL	PL	KSF	208/120VAC SSF VITAL PWR PNL (GRAY)	SSF	777	A, B, C, D, E
0	EL	PL	KSFC	120V PPB KSFC	SSF	777	A, B, C, D, E
0	EL	SH	ASWS	AUX SERV WATER SWGR (4160V) (1TD-0)	AB	771	A, B, C, D, E
0	EL	SH	B1T05	SK1 CT4 TO STDBY BUS 1 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B1T09	SL1 CT5 STDBY BUS 1 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B1T10	AUX SERVICE WATER SWGR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B2T05	SL2 CT5 STDBY BUS 2 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B2T09	SK2 CT4 STDBY BUS 2 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	DGSWGR	DIESEL GENERATOR SWITCHGEAR	SSF	777	A, B, C, D, E
0	EL	TF	OCT4	XFMR CT-4	BH3	796	A, B, C, D, E
0	EL	TF	OCT5	XFMR CT-5	YD	796	A, B, C, D, E
0	FO	PU	0005	SSF DIESEL ENGINE FUEL OIL TRANSFER PUMP	SSF	777	B,C
0	FO	TK	0003	SSF DIESEL OIL DAY TANK	SSF	777	B,C

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	FO	TK	0004	SSF DIESEL OIL STORAGE TANK	YD	785	B,C
0	HPS	PG	0012	JOCKEY PUMP DISCH. PRESS. GAGE	TB	775	B,C
0	HPS	PG	0013	HPSW PUMP B DISCH. PRESS. GAGE	TB	775	B,C
0	HPS	PG	0016	HPSW PUMP A DISCH. PRESS. GAGE	TB	775	B,C
0	HPS	PG	0224	HPSW PUMP A STRAINER DP GAGE	TB	775	B,C
0	HPS	PG	0225	HPSW PUMP B STRAINER DP GAGE	TB	775	B,C
0	HPS	PG	0226	JOCKEY PUMP STRAINER DP GAGE	TB	775	B,C
0	HPS	PU	0001	HPSW STANDBY PUMP A	TB	775	B,C
0	HPS	PU	0002	HPSW STANDBY PUMP B	TB	775	B,C
0	HPS	PU	0003	HPSW JOCKEY PUMP	TB	775	B,C
0	HPS	VA	0140	Seal Supply Reg. Valve	TB	775	B
0	HPS	VA	0147	Seal Supply Reg. Valve	TB	775	B
0	HPS	VA	0154	Seal Supply Reg. Valve	TB	775	B
0	LPS	FL	000A	LPSW PUMP A STRAINER	TB	775	D
0	LPS	FL	000B	LPSW PUMP B STRAINER	TB	775	D
0	LPS	FL	000C	LPSW PUMP C STRAINER	TB	775	D
0	LPS	PS	0097	A LPSW HDR PRESS #1	TB	775	D
0	LPS	PS	0098	A LPSW HDR PRESS #2	TB	775	D
0	LPS	PU	000A	LPSW PUMP A	TB	775	D
0	LPS	PU	000B	LPSW PUMP B	TB	775	D
0	LPS	PU	000C	LPSW PUMP C	TB	775	D
0	LPS	VA	0175	LPSW PUMP A SEAL FLOW REG	TB	775	D
0	LPS	VA	0182	LPSW PUMP B SEAL FLOW REG	TB	775	D
0	LPS	VA	0189	LPSW PUMP C SEAL FLOW REG	TB	775	D
0	NI	CA	0225	SSF NUCLEAR INSTRUMENTATION RACK	SSF	777	A, B, C, D, E
0	RC	HX	000A	A RCW HEAT EXCHANGER	TB	775	D
0	RC	HX	000B	B RCW HEAT EXCHANGER	TB	775	D
0	RC	HX	000C	C RCW HEAT EXCHANGER	TB	775	D
0	RC	HX	000D	D RCW HEAT EXCHANGER	TB	775	D
0	SSF	BA	DCSF	DCSF SSF NORMAL BATTERY	SSF	777	A, B, C, D, E
0	SSF	BA	DCSFS	DCSFS SSF STANDBY BATTERY	SSF	777	A, B, C, D, E
0	SSF	CA	0002	PZR HEATER CAB (SSF)SSF PRESSURIZER HEATER CABINET (PHC)	SSF	777	A, B, C, E
0	SSF	CA	0003	SSF PRESSURIZER HEATER CABINET (PHC1)	SSF	777	A, B, C, E
0	SSF	CA	IC1	SSF EOC SYS INTERCONN CAB IC1	SSF	797	A, B, C, D, E
0	SSF	CA	IC2	SSF EOC SYS INTERCONN CAB IC2	SSF	797	A, B, C, D, E
0	SSF	CA	MEC	MISC EQUIP CAB	SSF	797	A, B, C, D, E
0	SSF	DE	000A	SSF DIESEL ENGINE B (16 CYL)	SSF	777	A, B, C, D, E
0	SSF	MX	XSF	MCC XSF(600V)	SSF	777	A, B, C, D, E
0	SSF	PL	SSFCP	SSF CONTROL PANEL	SSF	797	A, B, C, D, E
0	SSF	SH	OTS1	OTS1 SSF ESSENTIAL SWGR 4160V	SSF	777	A, B, C, D, E
0	SYD	BA	SY1	230KV SWYD BATTERY #SY1	SYD	770	A, B, C, D, E
0	SYD	BA	SY2	230KV SWYD BATTERY #SY2	SYD	770	A, B, C, D, E
0	SYD	BC	SY1	230KV SWYD BATTERY CHARGER SY1	SYD	770	A, B, C, D, E
0	SYD	BC	SY2	230KV SWYD BATTERY CHARGER SY2	SYD	770	A, B, C, D, E

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	SYD	BD	RB02	SWITCHYARD RELAY BOARD RB02	SYD	770	A, B, C, D, E
0	SYD	BD	RB03	SWITCHYARD RELAY BOARD RB03	SYD	770	A, B, C, D, E
0	SYD	BD	RB06	SWITCHYARD RELAY BOARD RB06	SYD	770	A, B, C, D, E
0	SYD	BD	RB07	SWITCHYARD RELAY BOARD RB07	SYD	770	A, B, C, D, E
0	SYD	BD	RB08	SWITCHYARD RELAY BOARD RB08	SYD	770	A, B, C, D, E
0	SYD	BD	RB10	SWITCHYARD RELAY BOARD RB10	SYD	770	A, B, C, D, E
0	SYD	BD	RB17	SWITCHYARD RELAY BOARD RB17	SYD	770	A, B, C, D, E
0	SYD	BD	RF02	SWITCHYARD RELAY BOARD RF02	SYD	770	A, B, C, D, E
0	SYD	BD	RF03	SWITCHYARD RELAY BOARD RF03	SYD	770	A, B, C, D, E
0	SYD	BD	RF06	SWITCHYARD RELAY BOARD RF06	SYD	770	A, B, C, D, E
0	SYD	BD	RF17	SWITCHYARD RELAY BOARD RF17	SYD	770	A, B, C, D, E
0	SYD	BD	SRB06	SWITCHYARD RELAY BOARD SRB06	SYD	770	A, B, C, D, E
0	SYD	BD	SRB09	SWITCHYARD RELAY BOARD SRB09	SYD	770	A, B, C, D, E
0	SYD	BD	SRB14	SWITCHYARD RELAY BOARD SRB14	SYD	770	A, B, C, D, E
0	SYD	BD	SRB15	SWITCHYARD RELAY BOARD SRB15	SYD	770	A, B, C, D, E
0	SYD	BD	SRB17	SWITCHYARD RELAY BOARD SRB17	SYD	770	A, B, C, D, E
0	SYD	BD	SRF06	SWITCHYARD RELAY BOARD SRF06	SYD	770	A, B, C, D, E
0	SYD	BD	SRF07	SWITCHYARD RELAY BOARD SRF07	SYD	770	A, B, C, D, E
0	SYD	BD	SRF08	SWITCHYARD RELAY BOARD SRF08	SYD	770	A, B, C, D, E
0	SYD	BD	SRF09	SWITCHYARD RELAY BOARD SRF09	SYD	770	A, B, C, D, E
0	SYD	BD	SRF10	SWITCHYARD RELAY BOARD SRF10	SYD	770	A, B, C, D, E
0	SYD	BD	SRF17	SWITCHYARD RELAY BOARD SRF17	SYD	770	A, B, C, D, E
0	SYD	BK	PCB08	230KV AC POWER CIRCUIT BREAKER 08 (PCB-08)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB09	230KV AC POWER CIRCUIT BREAKER 09 (PCB-09)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB12	230KV AC POWER CIRCUIT BREAKER 12 (PCB-12)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB15	230KV AC POWER CIRCUIT BREAKER 15 (PCB-15)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB33	230KV AC POWER CIRCUIT BREAKER 33 (PCB-33)	SYD	770	A, B, C, D, E
0	SYD	BS	230KRED	230KV SWITCHYARD RED BUS	SYD	770	A, B, C, D, E
0	SYD	BS	230KYEL	230KV SWITCHYARD YELLOW BUS	SYD	770	A, B, C, D, E
0	SYD	BS	TRENCH	MISC SWYD TRENCHES	SYD	770	A, B, C, D, E
0	SYD	PL	DYA	DC PANELBOARD A	SYD	770	A, B, C, D, E
0	SYD	PL	DYB	DC PANELBOARD B	SYD	770	A, B, C, D, E
0	SYD	PL	DYC	DC PANELBOARD C	SYD	770	A, B, C, D, E
0	SYD	PL	DYE	DC PANELBOARD E	SYD	770	A, B, C, D, E
0	SYD	PL	DYF	DC PANELBOARD F	SYD	770	A, B, C, D, E
0	SYD	PL	DYG	DC PANELBOARD G	SYD	770	A, B, C, D, E
0	SYD	PL	SYDC1	SWITCHYARD DISTRIBUTION CENTER 1	SYD	770	A, B, C, D, E
0	SYD	PL	SYDC2	SWITCHYARD DISTRIBUTION CENTER 2	SYD	770	A, B, C, D, E
0	SYD	TF	RBPT	RED BUS POTENTIAL TRANSFORMER (EGPS)	SYD	770	A, B, C, D, E
0	SYD	TF	YBPT	YELLOW BUS POTENTIAL TRANSFORMER (EGPS)	SYD	770	A, B, C, D, E
0	VS	AH	0042	AHU 0-42 HEATING AND A/C SSF BUILDING	SSF	817	B,C
0	VS	AH	0044EX1	SSF CONST VENT SUPPLY FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX2	SSF SUMMER VENT SUPPLY FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX3	SSF ON LINE VENT SUPPLY FAN & MOTOR	SSF	817	B,C

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	VS	AH	0044EX4	SSF ENGINE EX FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX5	SSF SUMMER EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX6	SSF ON LINE EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX7	SSF CONSTANT EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	DA	CD01	SSF CONSTANT VENTILATION (VS-AH-0044EX1) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	DA	CD02	SSF SUMMER VENTILATION (VS-AH-044EX2) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	DA	CD03	SSF ON-LINE VENTILATION (VS-AH-0044EX3) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	DA	ID01	SSF INLET DAMPER ID-1 (AH EXHAUST FAN AH0044EX4)	SSF	817	B,C
0	VS	DA	ID01E	ACTUATOR FOR INTAKE DAMPER SSF-ID-A & B	SSF	817	B,C
0	VS	DA	ID01W	ACTUATOR FOR INTAKE DAMPER SSF-ID-C & D	SSF	817	B,C
0	VS	DA	ID02	INLET DAMPER ID-2 (SSF AH EXH FAN AH0044EX3)	SSF	817	B,C
0	VS	DA	ID02A	ACTUATOR FOR INLET DAMPER SSF-ID2 (EXH FAN AH0044EX3)	SSF	817	B,C
0	VS	DA	ID03	SSF INLET DAMPER ID-3 (AH EXHAUST FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	ID03A	ACTUATOR FOR INLET DAMPER SSF-ID3 (EXH FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	ID04	SSF INLET DAMPER ID-4 (AH EXHAUST FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	ID04A	ACTUATOR FOR INLET DAMPER SSF-ID4 (EXH FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	XD01	SSF EXH DAMPER XD-1 (AH EXH. FAN AH0044EX4)	SSF	817	B,C
0	VS	DA	XD01E	ACTUATOR FOR EXH DAMPER SSF-XD-A&B	SSF	817	B,C
0	VS	DA	XD01W	ACTUATOR FOR EXH DAMPER SSF-XD-C&D	SSF	817	B,C
0	VS	DA	XD02	SSF PRESS OPER EXH DAMPER XD-2 (AH EXH FAN AH0044EX7)	SSF	817	B,C
0	VS	DA	XD03	SSF EXH DAMPER XD-3 (AH EXH FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	XD03A	ACTUATOR FOR EXH DAMPER SSF-XD3 (EXH FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	XD04	SSF PRESS OPER EXH DAMPER XD-4 (AH EXH. FAN AH0044EX5)	SSF	817	B,C
0	VS	DA	XD05	SSF EXH DAMPER XD-5 (AH EXH. FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	XD05A	ACTUATOR FOR EXH DAMPER SSF-XD5 (EXH FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	XD06	SSF PRESS OPER EXH DAMPER XD-6 (AH EXH. FAN AH0044EX6)	SSF	817	B,C
0	VS	PE	SSFPE01	SSF SUMMER VENT. SYSTEM (VH) EXHAUST FAN (SSF-XF-3)	SSF	825	A, B, C, D, E
0	VS	PE	SSFPE02	SSF A/C SYSTEM AIR HANDLING UNIT	SSF	TBD	A, B, C, D, E
0	VS	PL	CP01AH2	SSF CONTROL BOARD FOR THE HVAC SYSTEM	SSF	817	A, B, C, D, E
0	VS	PS	SSFPS01	SSF CONSTANT VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS02	SSF SUMMER VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS03	SSF ON-LINE VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS04	SSF CONSTANT VENTILATION SYSTEM EXHAUST FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS05	SSF SUMMER VENTILATION SYSTEM EXHAUST FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS06	SSF ON-LINE VENTILATION SYSTEM EXHAUST FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS07	SSF ENGINE VENTILATION SYSTEM EXHAUST FAN	SSF	782	A, B, C, D, E
0	VS	PS	SSFPS08	SSF A/C SYSTEM AIR FLOW PRESS SWITCH	SSF	TBD	A, B, C, D, E
0	VS	TT	SSFCT1	HVAC TEMPERATURE CONTROLLER (FOR SSF-AH-1)	SSF	822	A, B, C, D, E
0	VS	TT	SSFCT2	HVAC TEMPERATURE CONTROLLER (FOR SSF-CP-1)	SSF	822	A, B, C, D, E
1	AS	PT	0117P	AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	TB	796	D
1	BAG	BD	1AB1	CONTROL BOARD 1AB1	AB	822	A, B, C, D, E
1	BAG	BD	1AB2	CONTROL BOARD 1AB2	AB	822	A, B, C, D, E
1	BAG	BD	1AB3	CONTROL BOARD 1AB3	AB	822	A, B, C, D, E
1	BAG	BD	1UB1	CONTROL BOARD 1UB1	AB	822	A, B, C, D, E

Attachment 1

Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	BAG	BD	1UB2	CONTROL BOARD 1UB2	AB	822	A, B, C, D, E
1	BAG	BD	1VB1	CONTROL BOARD 1VB1	AB	822	A, B, C, D, E
1	BAG	BD	1VB2	CONTROL BOARD 1VB2	AB	822	A, B, C, D, E
1	BAG	BD	1VB3	CONTROL BOARD 1VB3	AB	822	A, B, C, D, E
1	BS	PS	0018	RB PRESS SWITCH (ES CH 1A) (CHANNEL 7)	AB	809	E
1	BS	PS	0019	RB PRESS SWITCH (ES CH 1A) (CHANNEL 8)	AB	809	E
1	BS	PS	0020	RB PRESS SWITCH (ES CH 1B) (CHANNEL 7)	AB	809	E
1	BS	PS	0021	RB PRESS SWITCH (ES CH 1B) (CHANNEL 8)	AB	809	E
1	BS	PS	0022	RB PRESS SWITCH (ES CH 1C) (CHANNEL 7)	AB	809	E
1	BS	PS	0023	RB PRESS SWITCH (ES CH 1C) (CHANNEL 8)	AB	809	E
1	BS	PT	0004P	RB PRESS XMTR (ES CH 1A)	AB	809	E
1	BS	PT	0005P	RB PRESS XMTR (ES CH 1B)	AB	809	E
1	BS	PT	0006P	RB PRESS XMTR (ES CH 1C)	AB	809	E
1	BS	PU	0001	RBS PUMP 1A	AB	758	E
1	BS	PU	0002	RBS PUMP 1B	AB	758	E
1	BS	VA	0001	RB SPRAY HEADER 1A ISOLATION	AB	809	E
1	BS	VA	0002	RB SPRAY HEADER 1B ISOLATION	AB	809	E
1	BS	VA	0003	RBS PUMP SUCTION ISOL	AB	758	E
1	BS	VA	0004	RBS PUMP SUCTION ISOL	AB	758	E
1	C	CD	000A	CONDENSER 1A	TB	775	D
1	C	CD	000B	CONDENSER 1B	TB	775	D
1	C	CD	000C	CONDENSER 1C	TB	775	D
1	C	DM	000A	POLISHING DEMINERALIZER 1A	TB	775	D
1	C	DM	000B	POLISHING DEMINERALIZER 1B	TB	775	D
1	C	DM	000C	POLISHING DEMINERALIZER 1C	TB	775	D
1	C	DM	000D	POLISHING DEMINERALIZER 1D	TB	775	D
1	C	DM	000E	POLISHING DEMINERALIZER 1E	TB	775	D
1	C	HX	002A	CONDENSATE COOLER 1A	TB	775	D
1	C	HX	002B	CONDENSATE COOLER 1B	TB	775	D
1	C	LT	0015A	UST 1B LEVEL	TB	838	D
1	C	LT	0036	UST 1A LEVEL	TB	838	D
1	C	PS	0015	UST MAKEUP LEVEL CONTROL (PS-15)	TB	838	D
1	C	PS	0036	UST MAKEUP LEVEL CONTROL (PS-36)	TB	838	D
1	C	PS	0227	CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW	TB	775	D
1	C	PU	0010	HOTWELL PUMP 1A	TB	775	D
1	C	PU	0011	HOTWELL PUMP 1B	TB	775	D
1	C	PU	0012	HOTWELL PUMP 1C	TB	775	D
1	C	PU	0019	HOLDING PUMP 1A	TB	775	D
1	C	PU	0020	HOLDING PUMP 1B	TB	775	D
1	C	PU	0021	HOLDING PUMP 1C	TB	775	D
1	C	PU	0022	HOLDING PUMP 1D	TB	775	D
1	C	PU	0023	HOLDING PUMP 1E	TB	775	D
1	C	SV	1920	SOLENOID VLV TO HOTWELL NORMAL MAKEUP CONTROL - VALVE 1C-	TB	775	D
1	C	TK	0003	SLURRY TANK	TB	775	D

Attachment 1

Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	C	TK	000A	UPPER SURGE TANK 1A	TB	838	D
1	C	TK	000B	UPPER SURGE TANK 1B	TB	838	D
1	C	TK	000C	UPPER SURGE TANK DOME	TB	838	D
1	C	VA	0192	HOTWELL NORMAL MAKEUP CONTROL	TB	775	D
1	C	VA	0391	HOTWELL SUPPLY ISOL TO TDEFW	TB	775	D
1	CC	HX	000A	COMPONENT COOLER 1A	AB	783	A
1	CC	FT	0225	SSF ASW FLOW	AB	796	D
1	CC	PL	0268	REMOTE STARTER ENCLOSURE FOR 1CCW-268	SSF	754	D
1	CC	PL	0287	REMOTE STARTER ENCLOSURE FOR 1CCW-287	SSF	758	D
1	CC	PU	0001	CCW PUMP 1A	INT	810	D,A
1	CC	PU	0002	CCW PUMP 1B	INT	810	D,A
1	CC	PU	0003	CCW PUMP 1C	INT	810	D,A
1	CC	PU	0004	CCW PUMP 1D	INT	810	D,A
1	CC	PU	0024	EFWPT OIL COOLER PUMP	TB	775	C
1	CC	VA	0268	SSF ASW PUMP DISCH ISOL	SSF	754	D
1	CC	VA	0269	CROSSOVER ISOLATION TO A	RB	777	D
1	CC	VA	0287	SSF ISOL VALVE	SSF	754	D
1	CF	TK	000A	CORE FLOOD TANK 1A	RB	797	B, D
1	CF	TK	000B	CORE FLOOD TANK 1B	RB	817	B, D
1	CRD	CA	0001	CRD AC REACTOR TRIP BREAKER CABINET	AB	809	A
1	CRD	CA	CC01	CONTROL CABINET 1	AB	809	A
1	CRD	CA	CC02	CONTROL CABINET 2	AB	809	A
1	CRD	CA	CC1	DCRDCS CONTROL CABINET CC-1	AB	809	A
1	CRD	CA	CC2	DCRDCS CONTROL CABINET CC-2	AB	809	A
1	CRD	CA	CC3	DCRDCS CONTROL CABINET CC-3	AB	809	A
1	CRD	CA	CC4	DCRDCS CONTROL CABINET CC-4	AB	809	A
1	CRD	CA	CC5	DCRDCS CONTROL CABINET CC-5	AB	809	A
1	CRD	CA	CC6	DCRDCS CONTROL CABINET CC-6	AB	809	A
1	CRD	CA	SRPSCC1	DCRDCS CONTROL CABINET SRPS CC1	AB	809	A
1	CRD	CA	SRPSCC2	DCRDCS CONTROL CABINET SRPS CC2	AB	809	A
1	CS	VA	0005	QUENCH TANK DRAIN	RB	777	A, B, C
1	CS	VA	0006	QUENCH TANK DRAIN	AB	758	A, B, C
1	EHC	CA	EHC1	EHC CAB 1EHC1	AB	809	D
1	EHC	CA	EHC2	EHC CAB 1EHC2	AB	809	D
1	EHC	CA	EHC3	EHC CAB 1EHC3	AB	809	D
1	EHC	CA	EHTC1	EHC TERM CAB 1EHTC1	AB	809	D
1	EHC	SV	1083	MASTER TRIP SOLENOID VALVE A	TB	809	D
1	EHC	SV	1084	MASTER TRIP SOLENOID VALVE B	TB	809	D
1	EL	BA	1CA	CONTROL BATT 1CA	AB	809	A, B, C, D, E
1	EL	BA	1CB	CONTROL BATT 1CB	AB	809	A, B, C, D, E
1	EL	BA	1PA	PWR BATT 1PA	TB	796	A, B, C, D, E
1	EL	BA	1PB	PWR BATT 1PB	TB	796	A, B, C, D, E
1	EL	BC	1CA	CONTROL BATT CHGR 1CA	AB	796	A, B, C, D, E
1	EL	BC	1CB	CONTROL BATT CHGR 1CB	AB	796	A, B, C, D, E

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	EL	BC	1PA	PWR BATT CHGR 1PA	TB	796	A, B, C, D, E
1	EL	BC	1PB	PWR BATT CHGR 1PB	TB	796	A, B, C, D, E
1	EL	BI	1DIA	120V STATIC INV 1DIA	AB	796	A, B, C, D, E
1	EL	BI	1DIB	120V STATIC INV 1DIB	AB	796	A, B, C, D, E
1	EL	BI	1DIC	120V STATIC INV 1DIC	AB	796	A, B, C, D, E
1	EL	BI	1DID	120V STATIC INV 1DID	AB	796	A, B, C, D, E
1	EL	BI	1KI	STATIC INVERTER 1KI (INCLUDES STATIC XFER SW)	AB	796	A, B, C, D, E
1	EL	BI	1KU	STATIC INVERTER 1KU (INCLUDES STATIC XFER SWITCH)	AB	796	A, B, C, D, E
1	EL	BI	1KX	STATIC INVERTER 1KX (INCLUDES STATIC XFER SWITCH)	AB	796	A, B, C, D, E
1	EL	BK	1A	240/120V 1A REGULATOR OUTPUT BKR	AB	796	A, B, C, D, E
1	EL	BK	1B	240/120V 1B REGULATOR OUTPUT BKR	AB	796	A, B, C, D, E
1	EL	BS	230CT1	CT1 OVERHEAD FEEDER (SWYD PCB 18 TO CT1)	SYD	796	A, B, C, D, E
1	EL	BS	4160CT1	CT1 4160V STARTUP BUS UNIT 1,FROM TRANSFORMER CT1	TB	796	A, B, C, D, E
1	EL	BS	4160MFB1	4160V MAIN FEEDER BUS 1, B11, (B1T TO 1TC,1TD,1TE)	TB	796	A, B, C, D, E
1	EL	BS	4160MFB2	4160V MAIN FEEDER BUS 2, B21, (B1T TO 1TC,1TD,1TE)	TB	796	A, B, C, D, E
1	EL	CA	1AT3	AREA TERM CAB 1AT3	AB	809	A, B, C, D, E
1	EL	CA	1AT4	AUXILIARY BENCHBOARD 1AB1 TERMINAL CABINET # 1AT4	AB	809	A, B, C, D, E
1	EL	CA	1AT5	AREA TERM CAB 1AT5	AB	809	A, B, C, D, E
1	EL	CA	1AT8	AREA TERM CAB 1AT8	AB	809	A, B, C, D, E
1	EL	CA	1AXTC2	AUX TERMINAL CABINET 1AXTC2	TB	796	A, B, C, D, E
1	EL	CA	1EB1	ELECTRICAL BOARD 1EB1	AB	822	A, B, C, D, E
1	EL	CA	1EB2	ELECTRICAL BOARD 1EB2	AB	822	A, B, C, D, E
1	EL	CA	1EB3	ELECTRICAL BOARD 1EB3	AB	822	A, B, C, D, E
1	EL	CA	1EB4	ELECTRICAL BOARD 1EB4	AB	822	A, B, C, D, E
1	EL	CA	1EB5	ELECTRICAL BOARD 1EB5	AB	822	A, B, C, D, E
1	EL	CA	1EB6	ELECTRICAL BOARD 1EB6	AB	822	A, B, C, D, E
1	EL	CA	1EB7	ELECTRICAL BOARD 1EB7	AB	822	A, B, C, D, E
1	EL	CA	1EB8	ELECTRICAL BOARD 1EB8	AB	822	A, B, C, D, E
1	EL	CA	1EF1	ELECTRICAL BOARD 1EF1	AB	822	A, B, C, D, E
1	EL	CA	1EF2	ELECTRICAL BOARD 1EF2	AB	822	A, B, C, D, E
1	EL	CA	1EF3	ELECTRICAL BOARD 1EF3	AB	822	A, B, C, D, E
1	EL	CA	1EF4	ELECTRICAL BOARD 1EF4	AB	822	A, B, C, D, E
1	EL	CA	1EF5	ELECTRICAL BOARD 1EF5	AB	822	A, B, C, D, E
1	EL	CA	1EF6	ELECTRICAL BOARD 1EF6	AB	822	A, B, C, D, E
1	EL	CA	1EF7	ELECTRICAL BOARD 1EF7	AB	822	A, B, C, D, E
1	EL	CA	1EF8	ELECTRICAL BOARD 1EF8	AB	822	A, B, C, D, E
1	EL	CA	1MTC1	MISC TERM CAB 1MTC1	AB	809	A, B, C, D, E
1	EL	CA	1MTC2	MISC TERM CAB 1MTC2	AB	809	A, B, C, D, E
1	EL	CA	1MTC3	MISC TERM CAB 1MTC3	AB	809	A, B, C, D, E
1	EL	CA	1MTC4	MISC TERM CAB 1MTC4	AB	809	A, B, C, D, E
1	EL	CA	1TTC5	TURB TERM CAB 1TTC5	TB	796	A, B, C, D, E
1	EL	CA	1TTC6	TURB TERM CAB 1TTC6	TB	796	A, B, C, D, E
1	EL	CA	SGLC1	STEAM GEN LOGIC CABINET	AB	809	A, B, C, D, E
1	EL	DI	1ADA	ISOL DIODE ASSEMBLY 1ADA	AB	796	A, B, C, D, E

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	EL	DI	1ADB	ISOL DIODE ASSEMBLY 1ADB	AB	796	A, B, C, D, E
1	EL	DI	1ADC	ISOL DIODE ASSEMBLY 1ADC	AB	796	A, B, C, D, E
1	EL	DI	1ADD	ISOL DIODE ASSEMBLY 1ADD	AB	796	A, B, C, D, E
1	EL	DI	1ADE	ISOL DIODE ASSEMBLY 1ADE	AB	796	A, B, C, D, E
1	EL	DI	1ADF	ISOL DIODE ASSEMBLY 1ADF	AB	796	A, B, C, D, E
1	EL	DI	1ADG	ISOL DIODE ASSEMBLY 1ADG	AB	796	A, B, C, D, E
1	EL	IR	MC20	INSTRUMENT RACK 1MC-M20	TB	796	D
1	EL	IR	MCD24	INSTRUMENT RACK 1MC-D24	TB	775	D
1	EL	IR	MCE16	INSTRUMENT RACK 1MC-E16	TB	796	D
1	EL	IR	MCE25	INSTRUMENT RACK 1MC-E25	TB	775	D
1	EL	IR	PIR	UNIT 1 PNEUMATIC INSTR RACK	AB	809	B
1	EL	LX	1X1	600V LC 1X01	TB	796	A, B, C, D, E
1	EL	LX	1X10	600V LC 1X10	TB	796	A, B, C, D, E
1	EL	LX	1X2	600V LC 1X02	TB	796	A, B, C, D, E
1	EL	LX	1X4	600V LC 1X04	TB	796	A, B, C, D, E
1	EL	LX	1X5	600V LC 1X05	TB	796	A, B, C, D, E
1	EL	LX	1X6	600V LC 1X06	TB	796	A, B, C, D, E
1	EL	LX	1X7	600V LC 1X07	TB	796	A, B, C, D, E
1	EL	LX	1X8	600V LC 1X08	AB	796	A, B, C, D, E
1	EL	LX	1X9	600V LC 1X09	AB	796	A, B, C, D, E
1	EL	MX	1XA	MCC 1XA	TB	796	D
1	EL	MX	1XAA	208V MCC 1XA-A	TB	796	D
1	EL	MX	1XB	600V MCC 1XB	TB	775	D
1	EL	MX	1XC	MCC 1XC	TB	775	D
1	EL	MX	1XE	MCC 1XE	TB	775	D
1	EL	MX	1XGA	MCC 1XGA	TB	796	D
1	EL	MX	1XGB	MCC 1XGB	TB	796	D
1	EL	MX	1XI	600V MCC 1XI	AB	809	D
1	EL	MX	1XJ	600V MCC 1XJ	AB	809	D
1	EL	MX	1XL	MCC 1XL	AB	771	A, B, C
1	EL	MX	1XN	MCC 1XN	AB	771	A, B, C
1	EL	MX	1XO	MCC 1XO	AB	796	A, B, C, D, E
1	EL	MX	1XP	MCC 1XP	AB	796	A, B, C, D, E
1	EL	MX	1XR	600V MCC 1XR	AB	838	A
1	EL	MX	1XS1	MCC 1XS1	AB	796	A, B, C, D, E
1	EL	MX	1XS2	MCC 1XS2	AB	796	A, B, C, D, E
1	EL	MX	1XS3	MCC 1XS3	AB	796	A, B, C, D, E
1	EL	MX	1XSF	MCC 1XSF(600V)	SSF	817	A, B, C, D, E
1	EL	MX	1XSF1	MCC 1XSF-1 (208V)	SSF	797	A, B, C, D, E
1	EL	MX	1XSFA	MCC 1XSF(208V)	SSF	817	A, B, C, D, E
1	EL	PL	1CPS	1 POWDEX PANEL	TB	775	D
1	EL	PL	1DCA	125V DC 1DCA	AB	796	A, B, C, D, E
1	EL	PL	1DCB	125V DC 1DCB	AB	796	A, B, C, D, E
1	EL	PL	1DIA	125V PPB 1DIA	AB	809	A, B, C, D, E

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	EL	PL	1DIB	125V PPB 1DIB	AB	809	A, B, C, D, E
1	EL	PL	1DIC	125V PPB 1DIC	AB	809	A, B, C, D, E
1	EL	PL	1DID	125V PPB 1DID	AB	809	A, B, C, D, E
1	EL	PL	1DL2	250V DC 1DL2 PPB	AB	796	A, B, C, D, E
1	EL	PL	1DP	125/250V DC 1DP	TB	796	A, B, C, D, E
1	EL	PL	1EPSLP1	EPSL PANEL 1EPSLP1	AB	809	A, B, C, D, E
1	EL	PL	1EPSLP2	EPSL PANEL 1EPSLP2	AB	809	A, B, C, D, E
1	EL	PL	1KA	120V PPB 1KA	TB	775	A, B, C, D, E
1	EL	PL	1KC	120V PPB 1KC	TB	796	A, B, C, D, E
1	EL	PL	1KE	120V PPB 1KE	AB	796	A, B, C, D, E
1	EL	PL	1KESP	KEOWEE EM START PANEL	AB	809	A, B, C, D, E
1	EL	PL	1KG	120V PPB 1KG	AB	838	A, B, C, D, E
1	EL	PL	1KI	120V PPB 1KI	AB	809	A, B, C, D, E
1	EL	PL	1KRA	120V PPB 1KRA	AB	809	A, B, C, D, E
1	EL	PL	1KRB	120V PPB 1KRB	AB	809	A, B, C, D, E
1	EL	PL	1KSG	208/120V POWER PANELBOARD 1KSG	TB	796	A, B, C, D, E
1	EL	PL	1KSG01	Remote Starter Cabinet for 1KSG-01	TB	796	A, B, C, D, E
1	EL	PL	1KSG02	Remote Starter Cabinet for 1KSG-02	TB	796	A, B, C, D, E
1	EL	PL	1KSG03	Remote Starter Cabinet for 1KSG-03	TB	796	A, B, C, D, E
1	EL	PL	1KSG04	Remote Starter Cabinet for 1KSG-04	TB	796	A, B, C, D, E
1	EL	PL	1KU	120V PPB 1KU	AB	809	A, B, C, D, E
1	EL	PL	1KVIA	120V PPB 1KVIA	AB	809	A, B, C, D, E
1	EL	PL	1KVIB	120V PPB 1KVIB	AB	809	A, B, C, D, E
1	EL	PL	1KVIC	120V PPB 1KVIC	AB	809	A, B, C, D, E
1	EL	PL	1KVID	120V PPB 1KVID	AB	809	A, B, C, D, E
1	EL	PL	1KX	120V PPB 1KX	AB	809	A, B, C, D, E
1	EL	PL	1L2	120V PPB 1L2	AB	771	A, B, C, D, E
1	EL	PL	1L21	125V DC PPB 1L21	AB	822	A, B, C, D, E
1	EL	PL	1SGFP	SG FWP PANEL	TB	775	A, B, C, D, E
1	EL	PL	1SGFSP	B1T FAN SPEED CABINET	TB	796	A, B, C, D, E
1	EL	PL	1SKJ	120V PPB 1SKJ	AB	809	A, B, C, D, E
1	EL	PL	1SKK	120V PPB 1SKK	AB	809	A, B, C, D, E
1	EL	PL	1SKL	120V PPB 1SKL	AB	809	A, B, C, D, E
1	EL	PL	1SKM	240/120V PPB 1SKM	ESV	797	A, B, C, D, E
1	EL	PL	1SKN	240/120V PPB 1SKN	ESV	797	A, B, C, D, E
1	EL	PL	1SKP	240/120V PPB 1SKP	ESV	797	A, B, C, D, E
1	EL	PL	1TCPA	TURB CONT PANEL 1TCPA	TB	796	A, B, C, D, E
1	EL	PL	1TDC3	TRANSDUCER CAB 1TDC3	AB	809	A, B, C, D, E
1	EL	PL	HBP	UNIT 1 HEATER BLANKETING PANEL	TB	822	D
1	EL	PL	MFBMRP	MAIN FDR BUS MONITOR RLY PANEL	AB	809	A, B, C, D, E
1	EL	PL	PZR1B	600V PPB 1B (FOR PRESSURIZER HEATERS GROUP 1B BANK 2)	RB	817	A, B, C, E
1	EL	SH	1TC01	1TC BUS 2 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
1	EL	SH	1TC14	1TC BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
1	EL	SH	1TD01	1TD BUS 2 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	EL	SH	1TD14	1TD BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
1	EL	SH	1TE01	1TE BUS 2 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
1	EL	SH	1TE14	1TE BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
1	EL	SH	B1T01	E11 MFB1 STARTUP FDR SECTION	BH1	796	A, B, C, D, E
1	EL	SH	B1T02	B1T INSTRUMENTATION SECTION	BH1	796	A, B, C, D, E
1	EL	SH	B1T03	N11 MFB1 NORMAL FDR BKR SECTION	BH1	796	A, B, C, D, E
1	EL	SH	B1T04	B HPSW PUMP BREAKER SECTION	BH1	796	A, B, C, D, E
1	EL	SH	B1T06	S11 UNIT 1 STBY BUS 1 TO MFB1 BKR SECTION	BH1	796	A, B, C, D, E
1	EL	SH	B2T08	S21 STDBY BUS TO MFB2 BKR SECTION	BH1	796	A, B, C, D, E
1	EL	SH	B2T10	A HPSW PUMP BREAKER SECTION	BH1	796	A, B, C, D, E
1	EL	SH	B2T11	N21 MFB2 NORMAL FDR BKR SECTION	BH1	796	A, B, C, D, E
1	EL	SH	B2T12	B2T INSTRUMENTATION SECTION	BH1	796	A, B, C, D, E
1	EL	SH	B2T13	E21 MFB2 STARTUP FDR BKR SECTION	BH1	796	A, B, C, D, E
1	EL	SX	1KIBKUP	BACKUP TRANSFER SWITCH 1KI	AB	796	A, B, C, D, E
1	EL	SX	1KIBYP	INVERTER BYPASS SWITCH 1KI	AB	796	A, B, C, D, E
1	EL	SX	1KUBKUP	BACKUP TRANSFER SWITCH 1KU	AB	796	A, B, C, D, E
1	EL	SX	1KUBYP	INVERTER BYPASS SWITCH 1KU	AB	796	A, B, C, D, E
1	EL	SX	1KXBKUP	BACKUP TRANSFER SWITCH 1KX	AB	796	A, B, C, D, E
1	EL	SX	1KXBYP	INVERTER BYPASS SWITCH 1KX	AB	796	A, B, C, D, E
1	EL	SX	ABXFER	1A/1B REG XFER SW	AB	796	A, B, C, D, E
1	EL	TF	0CT1	XFMR CT-1	YD	796	A, B, C, D, E
1	EL	TF	1A	XFMR 1A (600V TO 240V)	AB	796	A, B, C, D, E
1	EL	TF	1B	XFMR 1B (600V TO 240V)	AB	796	A, B, C, D, E
1	EL	TF	1KC	XFMR 1KC (600:208:120V)	TB	796	A, B, C, D, E
1	EL	TF	1KI	ISOLATION XFMR SHIELDED 1KI	AB	796	A, B, C, D, E
1	EL	TF	1KSG	600/120V PPB 1KSG TRANSFORMER	TB	796	A, B, C, D, E
1	EL	TF	1KU	ISOLATION XFMR SHIELDED 1KU	AB	796	A, B, C, D, E
1	EL	TF	1XA	XFMR 1XA	TB	796	A, B, C, D, E
1	EL	TF	1XC	XFMR 1XC (600V TO 208V)	TB	775	A, B, C, D, E
1	EL	TF	1XGA	XFMR 1XGA	TB	796	A, B, C, D, E
1	EL	TF	1XGB	XFMR 1XGB	TB	796	A, B, C, D, E
1	EL	TF	1XL	XFMR 1XL (600V TO 208V)	AB	771	A, B, C, D, E
1	EL	TF	1XN	XFMR 1XN (600V TO 208V)	AB	771	A, B, C, D, E
1	EL	TF	1XO	XFMR 1XO (600V TO 208V)	AB	796	A, B, C, D, E
1	EL	TF	1XP	XFMR 1XP (600V TO 208V)	AB	796	A, B, C, D, E
1	EL	TF	1XR	XFMR 1XR (600V/208V)	AB	838	A, B, C, D, E
1	EL	TF	1XS1A	XFMR 1XS1A (600V TO 208V)	AB	796	A, B, C, D, E
1	EL	TF	1XS2A	XFMR 1XS2A (600V TO 208V)	AB	796	A, B, C, D, E
1	EL	TF	1XS3A	XFMR 1XS3A (600V TO 208V)	AB	796	A, B, C, D, E
1	EL	TF	1XSF	XFMR 1XSF (600V TO 208V)	SSF	817	A, B, C, D, E
1	EL	TN	0329	TERMINAL BOX TB-329	AB	783	B
1	EL	TN	0377	TERMINAL BOX TB-377	TB	796	D
1	EL	TN	0417	TERMINAL BOX TB-417	AB	809	D
1	EL	TN	0418	TERMINAL BOX TB-418	AB	809	D

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	EL	VR	000A	REGULATED PWR SUPP REG 1A	AB	796	A, B, C, D, E
1	EL	VR	000B	REGULATED PWR SUPP REG 1B	AB	796	A, B, C, D, E
1	ES	CA	1ESTC1	ESFAS ODD CH TERM CAB 1ESTC1	AB	809	A, B, C, D, E
1	ES	CA	1ESTC2	ESFAS EVEN CH TERM CAB 1ESTC2	AB	809	A, B, C, D, E
1	ES	CA	1ESTC2A	ESFAS AUX RLY CAB 1ESTC2A	AB	809	A, B, C, D, E
1	ES	CA	1ESTC3	ESFAS EVEN/ODD TERM CAB 1ESTC3	AB	809	A, B, C, D, E
1	ESV	CA	1ESV1	ESV PUMP CONTROLS RELAY CABINET 1ESV1	AB	796	D
1	ESV	PL	0001	UNIT 1 ESV LOCAL CONTROL PANEL	ESV	797	D
1	ESV	PT	0001	ESV Tank Pressure Transmitter	ESV	797	D
1	ESV	PT	0002	ESV Tank Pressure Transmitter	ESV	797	D
1	ESV	PU	0001	ESV Pump 1A	ESV	797	D
1	ESV	PU	0002	ESV Pump 1B	ESV	797	D
1	ESV	PU	0003	ESV Pump 1C	ESV	797	D
1	ESV	TF	0001	600/240/120V PPB 1SKM MAIN TRANSFORMER	ESV	797	D
1	ESV	TF	0002	600/240/120V PPB 1SKN MAIN TRANSFORMER	ESV	797	D
1	ESV	TF	0003	600/240/120V PPB 1SKP MAIN TRANSFORMER	ESV	797	D
1	ESV	TK	0001	ESV Receiver Tank 1A	ESV	797	D
1	ESV	TK	0002	ESV Receiver Tank 1B	ESV	797	D
1	ESV	VA	0001	ESV Float Valve	YD	797	D
1	ESV	VA	0002	ESV Float Valve	YD	797	D
1	ESV	VA	0028	ESV Tank Min. Flow Valve	ESV	797	D
1	ESV	VA	0029	ESV Tank Min. Flow Valve	ESV	797	D
1	FD	FT	0129	1A EFW HEADER FLOW	AB	783	D
1	FD	FT	0130	1B EFW HEADER FLOW	AB	796	D
1	FD	FT	0153	1A EFW HEADER FLOW TRANSMITTER	AB	783	D
1	FD	FT	0154	1B EFW HEADER FLOW TRANSMITTER	AB	783	D
1	FD	LT	0066	S/G 1A LEVEL	RB	777	D
1	FD	LT	0067	S/G 1B LEVEL	RB	777	D
1	FD	LT	0080	SG 1A LEVEL TRANSMITTER	RB	777	D
1	FD	LT	0081	SG 1B LEVEL TRANSMITTER	RB	777	D
1	FD	LT	0082	SG 1A LEVEL TRANSMITTER	RB	777	D
1	FD	LT	0083	SG 1B LEVEL TRANSMITTER	RB	777	D
1	FD	PL	0368	REMOTE STARTER ENCLOSURE FOR 1FDW-368	AB	809	D
1	FD	PL	0369	REMOTE STARTER ENCLOSURE FOR 1FDW-369	AB	809	D
1	FD	PL	0372	REMOTE STARTER ENCLOSURE FOR 1FDW-372	AB	809	D
1	FD	PL	0374	REMOTE STARTER ENCLOSURE FOR 1FDW-374	AB	809	D
1	FD	PL	0382	REMOTE STARTER ENCLOSURE FOR 1FDW-382	AB	809	D
1	FD	PL	0384	REMOTE STARTER ENCLOSURE FOR 1FDW-384	AB	809	D
1	FD	PL	ATWSCP	U1 ATWS CONTROL PANEL	AB	838	D
1	FD	PS	0300	1EFPT LOW HYDRAULIC OIL PRESS SWITCH	TB	775	C
1	FD	PS	0382	FWPT 1A CONTROL OIL PRESS SWITCH	TB	775	D
1	FD	PS	0383	FWPT 1A CONTROL OIL PRESS LOW	TB	775	D
1	FD	PS	0384	FWPT 1B CONTROL OIL PRESS SWITCH	TB	775	D
1	FD	PS	0385	FWPT 1B CONTROL OIL PRESS LOW	TB	775	D

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	FD	PS	1011	FWP 1A CONTROL OIL PRESSURE SWITCH	TB	775	D
1	FD	PS	1012	FWP 1B CONTROL OIL PRESS SWITCH	TB	775	D
1	FD	PU	0003	TDEFW PUMP	TB	775	D
1	FD	PU	0004	MDEFW PUMP 1A	TB	775	D
1	FD	PU	0005	MDEFW PUMP 1B	TB	775	D
1	FD	SV	0037	STEAM GEN A SAMPLE ISOL VALVE FOR 1FDW-106	AB	809	D
1	FD	SV	0038	STEAM GEN B SAMPLE ISOL VALVE FOR 1FDW-108	AB	822	D
1	FD	TN	1TBATWS1	ATSW TERM BOX 1	AB	809	D
1	FD	TN	1TBATWS2	ATSW TERM BOX 2	AB	809	D
1	FD	TN	1TBFPT	FEEDWATER PUMP TURBINE TERMINAL BOX	TB	775	D
1	FD	VA	0086	PRESS REG TD PUMP SEALS	TB	775	D
1	FD	VA	0087	PRESS REG TD PUMP SEALS	TB	775	D
1	FD	VA	0105	SG 1A SAMPLE ISOLATION	RB	808	D
1	FD	VA	0106	SG 1A SAMPLE ISOLATION	AB	809	D
1	FD	VA	0107	SG 1B SAMPLE ISOLATION	RB	808	D
1	FD	VA	0108	SG 1B SAMPLE ISOLATION	AB	809	D
1	FD	VA	0129	PRESS REG TD PUMP SEALS	TB	775	D
1	FD	VA	0218	PRESS REG TD PUMP SEALS	TB	775	D
1	FD	VA	0315	MDEFW PUMP 1A ISOLATION	AB	809	D
1	FD	VA	0316	MDEFW PUMP 1B ISOLATION	AB	809	D
1	GEN	BS	IPB	ISOLATED PHASE BUS 19KV	TB	796	A, B, C, D, E
1	GW	VA	0012	QUENCH TANK VENT	RB	797	A, B, C
1	GW	VA	0013	QUENCH TANK VENT	AB	809	A, B, C
1	HP	VA	0003	LETDOWN ISOLATION	RB	777	B
1	HP	VA	0004	LETDOWN ISOLATION	RB	797	B
1	HP	VA	0005	LETDOWN ISOLATION	AB	809	B
1	HP	VA	0020	RCP SEAL RETURN ISOLATION	RB	808	B
1	HP	VA	0021	RCP SEAL RETURN ISOLATION	AB	809	B
1	HP	VA	0024	BWST SUCTION ISOLATION	AB	771	A,B,C
1	HP	VA	0025	BWST SUCTION ISOLATION	AB	771	A,B,C
1	HP	VA	0026	HPI TRAIN 1A INJECTION	AB	809	A,B,C
1	HP	VA	0027	HPI TRAIN 1B (EMERGENCY) INJECTION	AB	809	A,B,C
1	HP	VA	0031	RCP SEAL INJ FLOW CONTROL	AB	796	B
1	HP	VA	0071	SEAL RETURN LINE RELIEF	AB	771	B
1	HP	VA	0120	RC VOLUME CONTROL	AB	809	A,B,C
1	HP	VA	0355	HPI AUX SPRAY THROTTLE	AB	809	C
1	HP	VA	0398	RC MAKEUP PUMP TO RCP SEALS BLOCK	RB	777	B
1	HP	VA	0409	HPI CROSSOVER ISOLATION	AB	809	A,B,C
1	HP	VA	0410	HPI CROSSOVER ISOLATION	AB	809	A,B,C
1	HP	VA	0426	ALT LETDOWN PATH ISOLATION	RB	777	A,B
1	HP	VA	0428	ALT LETDOWN PATH ISOLATION	RB	777	A,B
1	HPI	EP	0003	MAKEUP FLOW CONTROL	AB	809	A,B,C
1	HPI	EP	0031	1HP-31 VALVE POSITIONER (1HP11-E/P)	AB	783	B
1	HPI	FT	0007A	HPI A TRAIN INJ FLOW TRANS	AB	758	A,B,C

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	HPI	FT	0008A	HPI B TRAIN INJ FLOW TRANS	AB	758	A,B,C
1	HPI	FT	0075	RCP SEAL INJ FLOW TRANSMITTER	AB	783	B
1	HPI	FT	0101	RC PUMP SEAL INLET FLOW XMTR	AB	783	B
1	HPI	FT	0102	RC PUMP SEAL INLET FLOW XMTR	AB	783	B
1	HPI	FT	0103	RC PUMP SEAL INLET FLOW XMTR	AB	783	B
1	HPI	FT	0104	RC PUMP SEAL INLET FLOW XMTR	AB	783	B
1	HPI	FT	0157	U1 RC MAKE UP PUMP FLOW	RB	777	B
1	HPI	FT	0160	B LOOP INJ FLOW TRANSMITTER	AB	809	A,B,C
1	HPI	HX	000A	LETDOWN COOLER 1A	RB	777	B
1	HPI	HX	000B	LETDOWN COOLER 1B	RB	777	B
1	HPI	HX	001A	RC SEAL RETURN COOLER 1A	AB	771	B
1	HPI	HX	001B	RC SEAL RETURN COOLER 1B	AB	771	B
1	HPI	LT	0033P1	LETDOWN STORAGE TANK LEVEL TRAIN 1	AB	771	B
1	HPI	LT	0033P2	LETDOWN STORAGE TANK LEVEL TRAIN 2	AB	771	B
1	HPI	PL	0409	REMOTE STARTER ENCLOSURE FOR 1HP-409	AB	796	A,B,C
1	HPI	PL	0410	REMOTE STARTER ENCLOSURE FOR 1HP-410	AB	796	A,B,C
1	HPI	PS	0357	LETDOWN FLOW TEMP HIGH INTERLOCK	AB	783	B
1	HPI	PU	0001	HPI PUMP 1A	AB	758	A,B,C
1	HPI	PU	0002	HPI PUMP 1B	AB	758	A,B,C
1	HPI	PU	0003	HPI PUMP 1C	AB	758	A,B,C
1	HPI	PU	0005	SSF RC MAKEUP PUMP	RB	777	B
1	HPI	SV	0090	CONTROLS LETDOWN ISOLATION VALVE FOR 1HP-5	AB	809	B
1	HPI	SV	0095	RC PUMP SEAL RETURN ISOLATION VLV FOR 1HP-21	AB	809	B
1	HPI	TK	0001	LETDOWN STORAGE TANK	AB	771	B
1	HT	PL	EP04	TRACE HEATING EMERG BKR ALARM PNL 4	AB	771	D
1	HT	PL	EP05	TRACE HEATING EMERG BKR ALARM PNL 5	AB	771	D
1	HT	PL	KTH2	TRACE HEATING PNLBD KTH2	AB	771	D
1	HT	TF	KTH2	FDR TO 208V TRACE HEATING PNLBD KTH2 (600/208)	AB	771	D
1	ICC	CA	0001A	UNIT 1 ICCM TRAIN A CABINET	AB	822	A, B, C, D, E
1	ICC	CA	0001B	UNIT 1 ICCM TRAIN B CABINET	AB	822	A, B, C, D, E
1	ICS	CA	0001	ICS CABINET 1	AB	822	A, B, C, D, E
1	ICS	CA	0002	ICS CABINET 2	AB	822	A, B, C, D, E
1	ICS	CA	0003	ICS CABINET 3	AB	822	A, B, C, D, E
1	ICS	CA	0004	ICS CABINET 4	AB	822	A, B, C, D, E
1	ICS	CA	0005	ICS CABINET 5	AB	822	A, B, C, D, E
1	ICS	CA	0006	ICS CABINET 6	AB	822	A, B, C, D, E
1	ICS	CA	0007	ICS CABINET 7	AB	822	A, B, C, D, E
1	ICS	CA	0008	ICS CABINET 8	AB	822	A, B, C, D, E
1	ICS	CA	0009	ICS CABINET 9	AB	822	A, B, C, D, E
1	ICS	CA	0010	ICS CABINET 10	AB	822	A, B, C, D, E
1	ICS	CA	0011	ICS CABINET 11	AB	822	A, B, C, D, E
1	ICS	CA	0012	AUXILIARY SYSTEM CABINET #12	AB	822	A, B, C, D, E
1	ICS	CA	0013	AUXILIARY SYSTEM CABINET #13	AB	822	A, B, C, D, E
1	ICS	CA	0014	AUXILIARY SYSTEM CABINET #14	AB	822	A, B, C, D, E

Attachment 1

Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	ICS	PL	ASP	AUX SHUTDOWN PANEL	TB	822	A, B, C, D, E
1	LP	VA	0001	LPI DROPLINE ISOL FROM RCS	RB	797	B,D
1	LP	VA	0002	LPI DROPLINE ISOL FROM RCS	RB	797	D
1	LP	VA	0003	LPI HOT LEG SUCTION	AB	809	D
1	LP	VA	0005	LPI PUMP 1A SUCTION	AB	758	D
1	LP	VA	0006	LPI SUCTION CROSSOVER	AB	758	D
1	LP	VA	0007	LPI SUCTION CROSSOVER	AB	758	D
1	LP	VA	0008	LPI PUMP 1B SUCTION	AB	758	D
1	LP	VA	0009	LPI CROSSOVER	AB	758	D
1	LP	VA	0010	LPI CROSSOVER	AB	758	D
1	LP	VA	0012	LPI COOLER 1A ISOLATION	AB	771	D
1	LP	VA	0014	LPI COOLER 1B ISOLATION	AB	771	D
1	LP	VA	0017	LPI TRAIN 1A INJECTION ISOLATION	AB	809	D
1	LP	VA	0018	LPI TRAIN 1B INJECTION ISOLATION	AB	809	D
1	LP	VA	0069	LPI SWITCHOVER FLOW CONTROL VALVE	AB	758	D
1	LP	VA	0126	LPI POST ACCIDENT SAMPLE ISOL	AB	758	A
1	LPI	FT	0004P	LPI TRAIN 1B INJ FLOW TRANS (Powered by ICCM)	AB	809	D
1	LPI	FT	0005P	LPI TRAIN 1A INJ FLOW TRANS (Powered by ICCM)	AB	809	D
1	LPI	HX	000A	LPI COOLER 1A	AB	771	D
1	LPI	HX	000B	LPI COOLER 1B	AB	771	D
1	LPI	PU	0001	1LPI PUMP A	AB	758	D
1	LPI	PU	0002	1LPI PUMP B	AB	758	D
1	LPI	PU	0003	1LPI PUMP C	AB	758	D
1	LPI	TE	0209	LPI COOLER 1B OUTLET TEMP (ICS Input)	AB	809	D
1	LPI	TE	0210	LPI COOLER 1A OUTLET TEMP (ICS Input)	AB	771	D
1	LPI	TK	0001	BWST	YD	796	A,B,C
1	LPS	FT	0124	LPI COOLER 1A FLOW XMTR (1LPSW-251)	AB	771	D
1	LPS	FT	0125	LPI COOLER 1B FLOW XMTR (1LPSW-252)	AB	771	D
1	LPS	FT	1000	DECAY HEAT COOLER (A) LPSW FLOW (1LPSW-251)	AB	771	B,D
1	LPS	FT	1001	DECAY HEAT COOLER B FLOW XMITTER	AB	771	B,D
1	LPS	PL	0139	REMOTE STARTER ENCLOSURE FOR 1LPSW-139	AB	796	D
1	LPS	SV	0202	MOTOR DRIVEN EFDW PUMP MTR 1A COOLING WATER FLOW	TB	775	C
1	LPS	SV	0203	MOTOR DRIVEN EFDW PUMP MTR 1B COOLING WATER FLOW	TB	775	C
1	LPS	SV	1000	SOLENOID VALVE FOR 1LPSW-251	AB	783	D
1	LPS	SV	1001	SOLENOID VALVE FOR 1LPSW-252	AB	783	D
1	LPS	VA	0004	LPI COOLER 1A ISOLATION VALVE	AB	783	D
1	LPS	VA	0005	LPI COOLER 1B ISOLATION VALVE	AB	783	D
1	LPS	VA	0018	RBCU 1A RETURN VALVE	AB	809	E
1	LPS	VA	0021	RBCU 1B RETURN VALVE	AB	809	E
1	LPS	VA	0024	RBCU 1C RETURN VALVE	AB	809	E
1	LPS	VA	0139	Nonessential Header Isolation Valve	TB	775	D
1	LPS	VA	0251	LPI COOLER 1A CONTROL VALVE	AB	783	D
1	LPS	VA	0252	LPI COOLER 1B CONTROL VALVE	AB	783	D
1	LPS	VA	0516	EFW PUMP 1A LPSW ISOLATION VALVE	TB	775	C

Attachment 1

Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	LPS	VA	0525	EFW PUMP 1B LPSW ISOLATION VALVE	TB	775	C
1	MS	PS	0086	MAIN STEAM PRESS SWITCH (1MS-19)	TB	796	D
1	MS	PS	0087	MAIN STEAM PRESS SWITCH (1MS-22)	TB	796	D
1	MS	PS	0088	MAIN STEAM PRESS SWITCH (1MS-28)	TB	796	D
1	MS	PS	0089	MAIN STEAM PRESS SWITCH (1MS-31)	TB	796	D
1	MS	PT	0024P	SG 1A PRESSURE	RB	825	D
1	MS	PT	0025P	SG 1A PRESSURE	RB	825	D
1	MS	PT	0026P	SG 1B PRESSURE	RB	825	D
1	MS	PT	0027P	SG 1B PRESSURE	RB	825	D
1	MS	PT	1006	AFIS ANALOG CHANNEL 3 - 1A S/G HDR PRESSURE	TB	796	D
1	MS	PT	1007	AFIS ANALOG CHANNEL 3 - 1B S/G HDR PRESSURE	TB	796	D
1	MS	PT	1008	AFIS ANALOG CHANNEL 4 - 1A S/G HDR PRESSURE	TB	796	D
1	MS	PT	1009	AFIS ANALOG CHANNEL 4 - 1B S/G HDR PRESSURE	TB	796	D
1	MS	PY	0042	UNIT 1 UPS (1MSSS0042 - 1MS-87)	AB	796	D
1	MS	SV	0074	TD EFDWP STEAM ADMISSION SOLENIOD FOR 1MS-93	TB	775	D
1	MS	SV	0178	TURB BYPASS CONTROL VLV A SHUTOFF	TB	796	D
1	MS	SV	0179	TURB BYPASS CONTROL VLV B SHUTOFF	TB	796	D
1	MS	SV	0180	TURB BYPASS CONTROL VLV C SHUTOFF	TB	796	D
1	MS	SV	0181	TURB BYPASS CONTROL VLV D SHUTOFF	TB	796	D
1	MS	VA	0001	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0002	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0003	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0004	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0005	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0006	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0007	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0008	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0009	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0010	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0011	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0012	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0013	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0014	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0015	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0016	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0017	TURBINE BYPASS ISOLATION	TB	796	D
1	MS	VA	0019	TURBINE BYPASS VALVE	TB	796	D
1	MS	VA	0022	TURBINE BYPASS VALVE	TB	796	D
1	MS	VA	0024	AS ISOLATION	TB	796	D
1	MS	VA	0026	TURBINE BYPASS ISOLATION	TB	796	D
1	MS	VA	0028	TURBINE BYPASS VALVE	TB	796	D
1	MS	VA	0031	TURBINE BYPASS VALVE	TB	796	D
1	MS	VA	0033	AS ISOLATION	TB	796	D
1	MS	VA	0035	FWPT ISOLATION	TB	796	D

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	MS	VA	0036	FWPT ISOLATION	TB	796	D
1	MS	VA	0040	FWPT 1A STOP VALVE (MS-40/SV12)	TB	775	D
1	MS	VA	0043	FWPT 1B STOP VALVE (MS-43/SV12)	TB	775	D
1	MS	VA	0047	MS TO CSAE	TB	796	D
1	MS	VA	0076	MS RH ISOLATION	TB	796	D
1	MS	VA	0077	MS TO 2ND STAGE RHTR ISOL	TB	796	D
1	MS	VA	0078	MS TO 2ND STAGE RHTR ISOL	TB	796	D
1	MS	VA	0079	MS RH ISOLATION	TB	796	D
1	MS	VA	0080	MS TO 2ND STAGE RHTR ISOL	TB	796	D
1	MS	VA	0081	MS TO 2ND STAGE RHTR ISOL	TB	796	D
1	MS	VA	0093	TDEFW MS ISOLATION VALVE	TB	775	D
1	MS	VA	0095	TD EFDWP GOVERNOR VALVE	TB	775	D
1	MS	VA	0102	TURBINE STOP VALVE # 4	TB	796	D
1	MS	VA	0103	TURBINE STOP VALVE # 3	TB	796	D
1	MS	VA	0104	TURBINE STOP VALVE # 2	TB	796	D
1	MS	VA	0105	TURBINE STOP VALVE # 1	TB	796	D
1	MS	VA	0106	MAIN STEAM CONTROL VALVE	TB	796	D
1	MS	VA	0107	MAIN STEAM CONTROL VALVE	TB	796	D
1	MS	VA	0108	MAIN STEAM CONTROL VALVE	TB	796	D
1	MS	VA	0109	MAIN STEAM CONTROL VALVE	TB	796	D
1	MS	VA	0112	MS TO 2ND STAGE RHTR ISOL	TB	796	D
1	MS	VA	0126	MS TO AS CONTROL VALVE	TB	796	D
1	MS	VA	0129	MS TO AS CONTROL VALVE	TB	796	D
1	MS	VA	0173	MS TO 2ND STAGE RHTR ISOL	TB	796	D
1	N	TK	0003	NITROGEN SUPPLY FOR 1FDW-315 & 1FDW-316	AB	838	D
1	N	TK	0004	NITROGEN SUPPLY FOR 1FDW-315 & 1FDW-316	AB	838	D
1	N	TK	0005	NITROGEN SUPPLY FOR 1MS-87	TB	796	D
1	N	TK	0006	NITROGEN SUPPLY FOR 1MS-126	TB	796	D
1	N	TK	0007	NITROGEN SUPPLY FOR 1MS-129	TB	796	D
1	PA	CA	0001	POST ACCIDENT LIQUID SAMPLING PANEL	AB	771	A
1	PA	LT	0090	RB CONTAINMENT WATER LVL TR A	RB	777	A
1	PA	LT	0091	RB CONTAINMENT WATER LVL TR B	RB	777	A
1	PA	P	0304	RB CONT WATER LVL IND TR A	AB	822	A
1	PPS	CA	0001	RPS A/ES A1	AB	822	A, B, C, D, E
1	PPS	CA	0002	RPS A/ES A1	AB	822	A, B, C, D, E
1	PPS	CA	0003	RPS B/ES B1	AB	822	A, B, C, D, E
1	PPS	CA	0004	RPS B/ES B1	AB	822	A, B, C, D, E
1	PPS	CA	0005	RPS C/ES C1	AB	822	A, B, C, D, E
1	PPS	CA	0006	RPS C/ES C1	AB	822	A, B, C, D, E
1	PPS	CA	0007	RPS D	AB	822	A, B, C, D, E
1	PPS	CA	0008	RPS D	AB	822	A, B, C, D, E
1	PPS	CA	0009	ES A2	AB	822	A, B, C, D, E
1	PPS	CA	0010	ES B2	AB	822	A, B, C, D, E
1	PPS	CA	0011	ES C2	AB	822	A, B, C, D, E

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	PPS	CA	0012	ES VOTER ODD	AB	822	A, B, C, D, E
1	PPS	CA	0013	ES VOTER ODD	AB	822	A, B, C, D, E
1	PPS	CA	0014	ES VOTER EVEN	AB	822	A, B, C, D, E
1	PPS	CA	0015	ES VOTER EVEN	AB	822	A, B, C, D, E
1	PPS	CA	0016	RPS E/MSI	AB	822	A, B, C, D, E
1	PPS	CA	0017	ES STATUS ODD	AB	822	A, B, C, D, E
1	PPS	CA	0018	ES STATUS EVEN	AB	822	A, B, C, D, E
1	RBC	AH	0020A	RBCU FAN 1A	RB	825	E
1	RBC	AH	0020B	RBCU FAN 1B	RB	825	E
1	RBC	AH	0020C	RBCU FAN 1C	RB	825	E
1	RBC	HX	000A	RB COOLING UNIT 1A	RB	817	E
1	RBC	HX	000AAUX	AUX RBCU A	RB	844	E
1	RBC	HX	000B	RB COOLING UNIT 1B	RB	817	E
1	RBC	HX	000BAUX	AUX RBCU B	RB	861	E
1	RBC	HX	000C	RB COOLING UNIT 1C	RB	817	E
1	RBC	HX	000CAUX	AUX RBCU C	RB	844	E
1	RBC	HX	000DAUX	AUX RBCU D	RB	844	E
1	RC	LT	0004P1	PRZ LEVEL TRANSMITTER	RB	797	B,C
1	RC	LT	0004P3	PRZ LEVEL TRANSMITTER	RB	797	B,C
1	RC	LT	0123	1A RCS HOT LEG LVL (ICCM A)	AB	809	B
1	RC	LT	0124	1B RCS HOT LEG LVL (ICCM B)	AB	809	B
1	RC	LT	0125	RV HEAD LEVEL (ICCM A)	AB	809	B
1	RC	LT	0126	RV HEAD LEVEL (ICCM B)	AB	809	B
1	RC	PL	1RC1	1RC-1 SPRAY VALVE CONTROL BOX	AB	796	B
1	RC	PT	0017P	RCS LOOP A PRESS TRANS	RB	825	C
1	RC	PT	0021P	RC PRESS XMTR (ES CH A)	RB	825	B
1	RC	PT	0022P	RC PRESS XMTR (ES CH B)	RB	825	B
1	RC	PT	0023P	RC PRESS XMTR (ES CH C)	RB	825	B
1	RC	PT	0166P	RCS LOOP B PRESS TRANS	RB	825	C
1	RC	PT	0225	U1 RC LOOP A PRESSURE	RB	825	C,D
1	RC	PT	0226	U1 RC LOOP B PRESSURE	RB	819	C,D
1	RC	PT	0244	WR RCS PRESS TRAIN A (ICCM)	AB	809	C,D
1	RC	PT	0245	WR RCS PRESS TRAIN B (ICCM)	AB	809	C,D
1	RC	RD	0005B	A2 COLD LEG RTD	RB	797	C,D
1	RC	RD	0006A	A1 COLD LEG RTD	RB	797	C,D
1	RC	RD	0007B	B2 COLD LEG RTD	RB	797	C,D
1	RC	RD	0008A	B1 COLD LEG RTD	RB	797	C,D
1	RC	RD	0043A	PRZ RTD	RB	808	B,C
1	RC	RD	0043B	PRZ RTD	RB	808	B,C
1	RC	RD	0084A	REACTOR OUTLET LOOP 1A	RB	844	C,D
1	RC	RD	0084B	A HOT LEG WIDE RANGE RTD	RB	844	C,D
1	RC	RD	0085A	REACTOR OUTLET LOOP 1B	RB	844	C,D
1	RC	RD	0085B	B HOT LEG WIDE RANGE RTD	RB	844	C,D
1	RC	SV	0036	RC SAMPLE LINE ISOLATION VALVE (1RC7)	AB	809	B

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	RC	SV	0231	CONTROLS POST ACC. SAM. VLV(1RC-179)	AB	758	A
1	RC	VA	0001	PRESSURIZER SPRAY VALVE	RB	853	C
1	RC	VA	0003	PRZ SPRAY ISOLATION	RB	853	C
1	RC	VA	0004	PRZ PORV BLOCK VALVE	RB	853	B,C
1	RC	VA	0005	PRZ STEAM SAMPLE ISOLATION	RB	808	B
1	RC	VA	0006	PRZ WATER SAMPLE ISOLATION	RB	808	B
1	RC	VA	0007	PRZ WATER SAMPLE ISOLATION	AB	809	B
1	RC	VA	0066	PRZ PORV	RB	853	B,C
1	RC	VA	0067	PRZ CODE SAFETY	RB	853	B,C
1	RC	VA	0068	PRZ CODE SAFETY	RB	853	B,C
1	RC	VA	0159	RV VENT ISOLATION	RB	844	A,B,C
1	RC	VA	0160	RV VENT ISOLATION	RB	844	A,B,C
1	RC	VA	0162	POST ACC SAMPLE PATH ISOL	RB	777	A,B
1	RC	VA	0163	POST ACC SAMPLE PATH ISOL	RB	777	A
1	RC	VA	0164	POST ACC SAMPLE PATH ISOL	AB	758	A
1	RC	VA	0165	POST ACC SAMPLE PATH ISOL	AB	758	A
1	RC	VA	0179	POST ACC SAMPLE THROTTLE	AB	758	A
1	SC	HX	000A	GENERATOR WATER COOLER 1A	TB	775	D
1	SC	HX	000B	GENERATOR WATER COOLER 1B	TB	775	D
1	SF	TK	0002	INCORE INST HANDLING TANK	RB	797	A,C,D
1	SF	VA	0082	SPENT FUEL POOL TO RC MAKEUP PUMP BLOCK	RB	777	B
1	SF	VA	0097	SPENT FUEL POOL TO RC MAKEUP SUPPLY ISOLATION VALVE	RB	777	B
1	SSF	TN	TB1XSFG01	1XSFG01 ENCLOSURE	SSF	777	A, B, C, D, E
1	SSW	FT	1011	ESV PUMP 1A SEAL WATER FLOW TRANSMITTER	ESV	797	D
1	SSW	FT	1012	ESV PUMP 1B SEAL WATER FLOW TRANSMITTER	ESV	797	D
1	SSW	FT	1013	ESV PUMP 1C SEAL WATER FLOW TRANSMITTER	ESV	797	D
1	SSW	VA	0109	CCWP Seal Water Reg. Valve	INT	796	D
1	SSW	VA	0119	CCWP Seal Water Reg. Valve	INT	796	D
1	SSW	VA	0129	CCWP Seal Water Reg. Valve	INT	796	D
1	SSW	VA	0139	CCWP Seal Water Reg. Valve	INT	796	D
1	SSW	VA	0155	ESV PUMP SEAL SUPPLY VALVE	ESV	797	D
1	SSW	VA	0156	ESV PUMP SEAL SUPPLY VALVE	ESV	797	D
1	SSW	VA	0157	ESV PUMP SEAL SUPPLY VALVE	ESV	797	D
1	SYD	BK	PCB17	230KV AC POWER CIRCUIT BREAKER 17 (PCB-17)	SYD	770	A, B, C, D, E
1	SYD	BK	PCB18	230KV AC POWER CIRCUIT BREAKER 18 (PCB-18)	SYD	770	A, B, C, D, E
1	SYD	BK	PCB21	230KV AC POWER CIRCUIT BREAKER 21 (PCB-21)	SYD	770	A, B, C, D, E
1	TO	PU	0022	EFWPT AUX OIL PUMP	TB	775	C
1	TO	TK	0002	EFW PUMP TURBINE OIL TANK	TB	775	C
1	TO	TN	TBEH1A	FWPT 1A MAIN OIL TANK TERM BOX EH	TB	775	D
1	TO	TN	TBEH1B	FWPT 1B MAIN OIL TANK TERM BOX EH	TB	775	D
1	TO	VA	0059	EFW PUMP TURBINE OIL PR VALVE	TB	775	C
1	TO	VA	0145	1MS-95 LUBE OIL SUPPLY SOLENOID	TB	775	C
1	V	AE	0001	EM STEAM AIR EJECTOR (SAE)	TB	775	D
1	VS	AH	0011	AHU-11 CONTROL ROOM A/C	AB	838	A

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	VS	AH	0012	AHU-12 CONTROL ROOM A/C	AB	838	A
1	VS	AH	0026	OUTSIDE AIR BOOSTER FAN 'A' (F-22)	AB	838	A
1	VS	AH	0027	OUTSIDE AIR BOOSTER FAN 'B' (F-23)	AB	838	A
1	VS	AH	0047EX1A	B1T & B2T ENCLOSURE VENT FAN A	BH1	796	A, B, C, D, E
1	VS	AH	0047EX1B	B1T & B2T ENCLOSURE VENT FAN B	BH1	796	A, B, C, D, E
1	VS	AH	0047EXA	CT4 ENCLOSURE VENT FAN A	TB	796	A, B, C, D, E
1	VS	AH	0047EXB	CT4 ENCLOSURE VENT FAN B	TB	796	A, B, C, D, E
K0	ELK	BD	CB05	CONTROL BOARD 05	KEO	688	A, B, C, D, E
K0	ELK	BD	CB06	CONTROL BOARD 06	KEO	688	A, B, C, D, E
K0	ELK	BS	OHXPHASE	KHU OVERHEAD BUS X PHASE TO 230 KV SWITCHYARD	KEO	702	A, B, C, D, E
K0	ELK	BS	OHYPHASE	KHU OVERHEAD BUS Y PHASE TO 230 KV SWITCHYARD	KEO	702	A, B, C, D, E
K0	ELK	BS	OHZPHASE	KHU OVERHEAD BUS Z PHASE TO 230 KV SWITCHYARD	KEO	702	A, B, C, D, E
K0	ELK	PL	EB5	ELEC BOARD 05	KEO	688	A, B, C, D, E
K0	ELK	PL	EB6	ELEC BOARD 06	KEO	688	A, B, C, D, E
K0	ELK	SX	CX	KEOWEE XFMR CX DISC SW	KEO	702	A, B, C, D, E
K0	ELK	TF	0001	MAIN TRANSFORMER	KEO	702	A, B, C, D, E
K0	ELK	TF	CX	TRANSFORMER CX	KEO	702	A, B, C, D, E
K1	AG	TK	0001	AIR RECEIVER TANK	KEO	683	A, B, C, D, E
K1	CO	PS	063F	GEN 1 CO2 RELEASE PRESS SWITCH (63F/PS2_1)	KEO	683	A, B, C, D, E
K1	CO	SV	20F1	GEN 1 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K1	CO	SV	20F2	GEN 1 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K1	CO	SV	20P1	GEN 1 CO2 CYL RELEASE VALVE (MAIN BANK)	KEO	702	A, B, C, D, E
K1	CO	SV	20P2	GEN 1 CO2 CYL RELEASE VALVE (MAIN BANK)	KEO	702	A, B, C, D, E
K1	ELK	BA	KB1	BATT BANK 1	KEO	675	A, B, C, D, E
K1	ELK	BC	KC1	BATT CHARGER 1 (KC-1)	KEO	675	A, B, C, D, E
K1	ELK	BD	CB01	CONTROL BOARD 01	KEO	688	A, B, C, D, E
K1	ELK	BD	CB02	CONTROL BOARD 02	KEO	688	A, B, C, D, E
K1	ELK	BD	CB03	CONTROL BOARD 03	KEO	688	A, B, C, D, E
K1	ELK	BD	CB04	CONTROL BOARD 04	KEO	688	A, B, C, D, E
K1	ELK	BS	GENACB13	13.8 KV BUS FROM GEN #1 TO ACB1 AND ACB3	KEO	702	A, B, C, D, E
K1	ELK	BS	MTFACB1	13.8 KV BUS FROM ACB1 TO MAIN XFMR	KEO	702	A, B, C, D, E
K1	ELK	CA	0103	TERMINAL BOX 103 (WIRING ONLY)	KEO	675	A, B, C, D, E
K1	ELK	CA	0127	TERMINAL BOX 127	KEO	683	A, B, C, D, E
K1	ELK	CA	1LC1	LOGIC CABINET 1	KEO	688	A, B, C, D, E
K1	ELK	CA	1LC2	LOGIC CABINET 2	KEO	688	A, B, C, D, E
K1	ELK	CA	1LC3	LOGIC CABINET 3	KEO	688	A, B, C, D, E
K1	ELK	CA	1MTC1	U1 MISC TERM CAB 1MTC1	KEO	675	A, B, C, D, E
K1	ELK	CA	1MTC2	U1 MISC TERM CAB 1MTC2	KEO	675	A, B, C, D, E
K1	ELK	MX	1XA	600V AC MCC 1XA	KEO	683	A, B, C, D, E
K1	ELK	PL	1DA	125V DC DIST CENTER 1DA	KEO	675	A, B, C, D, E
K1	ELK	PL	1EC1	EXC CUBICLE 1	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC2	EXC CUBICLE 2	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC3	EXC CUBICLE 3	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC4	EXC CUBICLE 4	KEO	702	A, B, C, D, E

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K1	ELK	PL	1EC5	EXC CUBICLE 5	KEO	702	A, B, C, D, E
K1	ELK	PL	1TGP1	TURBINE GAUGE PANEL (UNIT 1)	KEO	683	A, B, C, D, E
K1	ELK	PL	EB1	ELEC BOARD 01	KEO	688	A, B, C, D, E
K1	ELK	PL	EB2	ELEC BOARD 02	KEO	688	A, B, C, D, E
K1	ELK	PL	EB3	ELEC BOARD 03	KEO	688	A, B, C, D, E
K1	ELK	PL	EB4	ELEC BOARD 04	KEO	688	A, B, C, D, E
K1	ELK	PL	EFBP1	EMERGENCY FEEDER BREAKER NO. 1	KEO	702	A, B, C, D, E
K1	ELK	PL	GBP	GENERATOR BREAKER PANEL	KEO	702	A, B, C, D, E
K1	ELK	PL	KA	120V AC PPB KA	KEO	683	A, B, C, D, E
K1	ELK	PL	MODP	MOTOR OPERATED DISCONNECT PANEL	KEO	702	A, B, C, D, E
K1	ELK	SH	1X	600V AC SWGR 1X	KEO	702	A, B, C, D, E
K1	ELK	SX	1E	U1 XFMR 1E DISC SW	KEO	702	A, B, C, D, E
K1	ELK	SX	1X	TRANSFORMER 1X DISCONNECT SWITCH	KEO	702	A, B, C, D, E
K1	ELK	TF	1E	EXCITATION TRANSFORMER 1E	KEO	702	A, B, C, D, E
K1	ELK	TF	1X	600V AC SWGR 1X TRANSFORMER	KEO	702	A, B, C, D, E
K1	ELK	TN	0101	TERMINAL BOX 101	KEO	683	A, B, C, D, E
K1	ELK	TN	0102	TERMINAL BOX 102	KEO	683	A, B, C, D, E
K1	ELK	TN	0109	TERMINAL BOX 109	KEO	683	A, B, C, D, E
K1	ELK	TN	0113	TERMINAL BOX 113 (WIRING ONLY)	KEO	683	A, B, C, D, E
K1	ELK	TN	0121	TERMINAL BOX 121 (WIRING ONLY)	KEO	683	A, B, C, D, E
K1	ELK	TN	0123	TERMINAL BOX 123 (WIRING ONLY)	KEO	683	A, B, C, D, E
K1	GA	HX	0001	GEN AIR COOLER 1	KEO	695	A, B, C, D, E
K1	GA	HX	0002	GEN AIR COOLER 2	KEO	695	A, B, C, D, E
K1	GA	HX	0003	GEN AIR COOLER 3	KEO	695	A, B, C, D, E
K1	GA	HX	0004	GEN AIR COOLER 4	KEO	695	A, B, C, D, E
K1	GA	HX	0005	GEN AIR COOLER 5	KEO	695	A, B, C, D, E
K1	GA	HX	0006	GEN AIR COOLER 6	KEO	695	A, B, C, D, E
K1	GBO	HX	0001	TURB GUIDE BRNG OIL COOLER	KEO	667	A, B, C, D, E
K1	GBO	LS	63TA	TURB GUIDE BRNG OIL LEVEL SWITCH (1GBOLT0001)	KEO	675	A, B, C, D, E
K1	GBO	LS	63TB	TURB GUIDE BRNG OIL LEVEL SWITCH (1GBOLT0002)	KEO	675	A, B, C, D, E
K1	GBO	PU	088A	AC BRNG OIL PUMP (88A)	KEO	667	A, B, C, D, E
K1	GBO	PU	088D	DC BRNG OIL PUMP (88D)	KEO	667	A, B, C, D, E
K1	GCS	CA	SS1A	GOVERNOR SPEED CONTOL CABINET SS1A	KEO	667	A, B, C, D, E
K1	GCS	CA	SS1B	GOVERNOR SPEED CONTOL CABINET SS1B	KEO	667	A, B, C, D, E
K1	GEN	GN	0001	KEOWEE UNIT 1 GENERATOR	KEO	683	A, B, C, D, E
K1	GEN	PC	GPC1	GEN POT CUBICLE UNIT 1 (1 PER PHASE)	KEO	702	A, B, C, D, E
K1	GEN	PL	BPC1	BUS POT CUBICLE UNIT 1 (1 PER PHASE)	KEO	702	A, B, C, D, E
K1	GEN	PL	NEUCUB	NEUTRAL CUBICLE 1	KEO	683	A, B, C, D, E
K1	HPO	HX	0001	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0002	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0003	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0004	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0005	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0006	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E

Attachment 1
Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K1	HPO	HX	0007	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0008	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	LS	63BLH	LEVEL SWITCH (1HPOLS0001)	KEO	683	A, B, C, D, E
K1	HPO	LS	63BLL	LEVEL SWITCH (1HPOLS0002)	KEO	683	A, B, C, D, E
K1	HPO	PU	88HA	AC GEN HP LIFT PUMP (88HA)	KEO	675	A, B, C, D, E
K1	HPO	PU	88HD	DC GEN HP LIFT PUMP (88HD)	KEO	675	A, B, C, D, E
K1	MT	PS	0009	TURBINE PIT PRESS SWITCH	KEO	675	A, B, C, D, E
K1	MT	TR	0001	KEOWEE UNIT 1 TURBINE	KEO	702	A, B, C, D, E
K1	OG	TK	0001	GOVERNOR ACTUATOR	KEO	683	A, B, C, D, E
K1	OG	TK	0002	GOVERNOR OIL SUMP TANK	KEO	683	A, B, C, D, E
K1	OG	TK	0003	GOVERNOR OIL PRESS TANK	KEO	683	A, B, C, D, E
K1	PM	DT	MPU1A	SPEED CONTROL MAGNETIC PICKUP 1A	KEO	667	A, B, C, D, E
K1	PM	DT	MPU1B	SPEED CONTROL MAGNETIC PICKUP 1B	KEO	667	A, B, C, D, E
K1	PM	DT	MPU1C	SPEED CONTROL MAGNETIC PICKUP 1C	KEO	667	A, B, C, D, E
K1	TS	LS	63SA	TURB SUMP LEVEL SWITCH (1TSLS0001)	KEO	675	A, B, C, D, E
K1	TS	LS	63SB	TURB SUMP LEVEL SWITCH (1TSLS0002)	KEO	675	A, B, C, D, E
K1	TS	PU	88SA	AC SUMP PUMP (88SA)	KEO	675	A, B, C, D, E
K1	TS	PU	88SD	DC SUMP PUMP (88SD)	KEO	675	A, B, C, D, E
K1	WL	VA	0011	GEN COOL ISOL VALVE (1WL-11)	KEO	683	A, B, C, D, E
K2	AG	TK	0001	AIR RECEIVER TANK	KEO	683	A, B, C, D, E
K2	CO	PS	063F	GEN 2 CO2 RELEASE PRESS SWITCH (63F/PS2_2)	KEO	683	A, B, C, D, E
K2	CO	SV	20F3	GEN 2 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K2	CO	SV	20F4	GEN 2 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K2	CO	SV	20P3	GEN 2 CO2 CYL RELEASE VALVE (RESERVE BANK)	KEO	702	A, B, C, D, E
K2	CO	SV	20P4	GEN 2 CO2 CYL RELEASE VALVE (RESERVE BANK)	KEO	702	A, B, C, D, E
K2	ELK	BA	KB2	BATT BANK 2	KEO	675	A, B, C, D, E
K2	ELK	BC	KC2	BATT CHARGER 2 (KC-2)	KEO	675	A, B, C, D, E
K2	ELK	BD	CB07	CONTROL BOARD 07	KEO	688	A, B, C, D, E
K2	ELK	BD	CB08	CONTROL BOARD 08	KEO	688	A, B, C, D, E
K2	ELK	BD	CB09	CONTROL BOARD 09	KEO	688	A, B, C, D, E
K2	ELK	BD	CB10	CONTROL BOARD 10	KEO	688	A, B, C, D, E
K2	ELK	BS	GENACB24	13.8 KV BUS FROM GEN #2 TO ACB2 AND ACB4	KEO	702	A, B, C, D, E
K2	ELK	BS	MTFACB2	13.8 KV BUS FROM ACB2 TO MAIN XFMR	KEO	702	A, B, C, D, E
K2	ELK	CA	2LC1	LOGIC CABINET 1	KEO	688	A, B, C, D, E
K2	ELK	CA	2LC2	LOGIC CABINET 2	KEO	688	A, B, C, D, E
K2	ELK	CA	2LC3	LOGIC CABINET 3	KEO	688	A, B, C, D, E
K2	ELK	CA	2MTC1	U2 MISC TERM CAB 2MTC1	KEO	675	A, B, C, D, E
K2	ELK	CA	2MTC2	U2 MISC TERM CAB 2MTC2	KEO	675	A, B, C, D, E
K2	ELK	MX	2XA	600V AC MCC 2XA	KEO	683	A, B, C, D, E
K2	ELK	PL	2DA	125V DC DIST CENTER 2DA	KEO	675	A, B, C, D, E
K2	ELK	PL	2EC1	EXC CUBICLE 1	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC2	EXC CUBICLE 2	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC3	EXC CUBICLE 3	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC4	EXC CUBICLE 4	KEO	702	A, B, C, D, E

Attachment 1

Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K2	ELK	PL	2EC5	EXC CUBICLE 5	KEO	702	A, B, C, D, E
K2	ELK	PL	2TGP1	TURBINE GAUGE PANEL (UNIT 2)	KEO	683	A, B, C, D, E
K2	ELK	PL	EB10	ELEC BOARD 10	KEO	688	A, B, C, D, E
K2	ELK	PL	EB7	ELEC BOARD 07	KEO	688	A, B, C, D, E
K2	ELK	PL	EB8	ELEC BOARD 08	KEO	688	A, B, C, D, E
K2	ELK	PL	EB9	ELEC BOARD 09	KEO	688	A, B, C, D, E
K2	ELK	PL	EFBP2	EMERGENCY FEEDER BREAKER NO. 2	KEO	702	A, B, C, D, E
K2	ELK	PL	GBP	GENERATOR BREAKER PANEL	KEO	702	A, B, C, D, E
K2	ELK	PL	KB	120V AC PPB KB	KEO	683	A, B, C, D, E
K2	ELK	PL	MODP	MOTOR OPERATED DISCONNECT PANEL	KEO	702	A, B, C, D, E
K2	ELK	SH	2X	600V AC SWGR 2X	KEO	702	A, B, C, D, E
K2	ELK	SX	2E	U2 XFMR 2E DISC SW	KEO	702	A, B, C, D, E
K2	ELK	SX	2X	TRANSFORMER 2X DISCONNECT SWITCH	KEO	702	A, B, C, D, E
K2	ELK	TF	2E	EXCTIATION TRANSFORMER 2E	KEO	702	A, B, C, D, E
K2	ELK	TF	2X	13.8KV/600V AC SWGR 2X TRANSFORMER	KEO	702	A, B, C, D, E
K2	ELK	TN	0201	TERM BOX TB-201	KEO	683	A, B, C, D, E
K2	ELK	TN	0202	TERM BOX TB-202	KEO	683	A, B, C, D, E
K2	ELK	TN	0203	TERM BOX TB-203	KEO	675	A, B, C, D, E
K2	ELK	TN	0227	TERM BOX TB-227	KEO	683	A, B, C, D, E
K2	GA	HX	0001	GEN AIR COOLER 1	KEO	667	A, B, C, D, E
K2	GA	HX	0002	GEN AIR COOLER 2	KEO	667	A, B, C, D, E
K2	GA	HX	0003	GEN AIR COOLER 3	KEO	667	A, B, C, D, E
K2	GA	HX	0004	GEN AIR COOLER 4	KEO	667	A, B, C, D, E
K2	GA	HX	0005	GEN AIR COOLER 5	KEO	667	A, B, C, D, E
K2	GA	HX	0006	GEN AIR COOLER 6	KEO	667	A, B, C, D, E
K2	GBO	HX	0001	TURB GUIDE BRNG OIL COOLER	KEO	667	A, B, C, D, E
K2	GBO	LS	63TA	TURB GUIDE BRNG OIL LEVEL SWITCH (2GBOLT0001)	KEO	675	A, B, C, D, E
K2	GBO	LS	63TB	TURB GUIDE BRNG OIL LEVEL SWITCH (2GBOLT0002)	KEO	675	A, B, C, D, E
K2	GBO	PU	088A	AC BRNG OIL PUMP (88A)	KEO	667	A, B, C, D, E
K2	GBO	PU	088D	DC BRNG OIL PUMP (88D)	KEO	667	A, B, C, D, E
K2	GCS	CA	SS2A	GOVERNOR SPEED CONTOL CABINET SS2A	KEO	667	A, B, C, D, E
K2	GCS	CA	SS2B	GOVERNOR SPEED CONTOL CABINET SS2B	KEO	667	A, B, C, D, E
K2	GEN	GN	0001	KEOWEE UNIT 2 GENERATOR	KEO	683	A, B, C, D, E
K2	GEN	PC	GPC2	GEN POT CUBICLE UNIT 2 (1 PER PHASE)	KEO	702	A, B, C, D, E
K2	GEN	PL	BPC2	BUS POT CUBICLE UNIT 2 (1 PER PHASE)	KEO	702	A, B, C, D, E
K2	GEN	PL	NEUCUB	NEUTRAL CUBICLE 2	KEO	683	A, B, C, D, E
K2	HPO	HX	0001	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0002	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0003	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0004	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0005	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0006	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0007	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0008	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E

Attachment 1

Oconee Unit 1, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K2	HPO	LS	63BLH	LEVEL SWITCH (2HPOLS0001)	KEO	683	A, B, C, D, E
K2	HPO	LS	63BLL	LEVEL SWITCH (2HPOLS0002)	KEO	683	A, B, C, D, E
K2	HPO	PU	88HA	AC GEN HP LIFT PUMP (88HA)	KEO	675	A, B, C, D, E
K2	HPO	PU	88HD	DC GEN HP LIFT PUMP (88HD)	KEO	675	A, B, C, D, E
K2	MT	PS	0009	TURB PIT PRESS SWITCH	KEO	675	A, B, C, D, E
K2	MT	TR	0001	KEOWEE UNIT 2 TURBINE	KEO	683	A, B, C, D, E
K2	OG	TK	0001	GOVERNOR ACTUATOR	KEO	683	A, B, C, D, E
K2	OG	TK	0002	GOVERNOR OIL SUMP TANK	KEO	683	A, B, C, D, E
K2	OG	TK	0003	GOVERNOR OIL PRESS TANK	KEO	683	A, B, C, D, E
K2	PM	DT	MPU1A	SPEED CONTROL MAGNETIC PICKUP 1A	KEO	667	A, B, C, D, E
K2	PM	DT	MPU1B	SPEED CONTROL MAGNETIC PICKUP 1B	KEO	667	A, B, C, D, E
K2	PM	DT	MPU1C	SPEED CONTROL MAGNETIC PICKUP 1C	KEO	667	A, B, C, D, E
K2	TS	LS	63SA	TURB SUMP LEVEL SWITCH (2TSLS0001)	KEO	675	A, B, C, D, E
K2	TS	LS	63SB	TURB SUMP LEVEL SWITCH (2TSLS0002)	KEO	675	A, B, C, D, E
K2	TS	PU	88SA	AC SUMP PUMP (88SA)	KEO	675	A, B, C, D, E
K2	TS	PU	88SD	DC SUMP PUMP (88SD)	KEO	675	A, B, C, D, E
K2	WL	VA	0011	GEN COOL ISOL VALVE (2WL-11)	KEO	683	A, B, C, D, E

Attachment 2

Oconee Unit 1, SWEL-1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	DA	TK	000C	DIESEL STARTING AIR TANK C	SSF	777	B,C
0	EL	CA	SYTC1	SWYD TERMINAL CABINET 01	SYD	770	A, B, C, D, E
0	EL	SH	B1T05	SK1 CT4 TO STDBY BUS 1 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	TF	0CT4	XFMR CT-4	BH3	796	A, B, C, D, E
0	FO	TK	0003	SSF DIESEL OIL DAY TANK	SSF	777	B,C
0	SSF	BA	DCSF	DCSF SSF NORMAL BATTERY	SSF	777	A, B, C, D, E
0	SSF	MX	XSF	MCC XSF(600V)	SSF	777	A, B, C, D, E
0	SSF	SH	OTS1	OTS1 SSF ESSENTIAL SWGR 4160V	SSF	777	A, B, C, D, E
0	SYD	BC	SY2	230KV SWYD BATTERY CHARGER SY2	SYD	770	A, B, C, D, E
0	SYD	BD	RB02	SWITCHYARD RELAY BOARD RB02	SYD	770	A, B, C, D, E
0	SYD	BD	RF17	SWITCHYARD RELAY BOARD RF17	SYD	770	A, B, C, D, E
0	SYD	BD	SRF17	SWITCHYARD RELAY BOARD SRF17	SYD	770	A, B, C, D, E
0	SYD	BK	PCB08	230KV AC POWER CIRCUIT BREAKER 08 (PCB-08)	SYD	770	A, B, C, D, E
0	SYD	PL	DYC	DC PANELBOARD C	SYD	770	A, B, C, D, E
0	SYD	PL	DYE	DC PANELBOARD E	SYD	770	A, B, C, D, E
0	SYD	PL	SYDC1	SWITCHYARD DISTRIBUTION CENTER 1	SYD	770	A, B, C, D, E
0	SYD	TF	RBPT	RED BUS POTENTIAL TRANSFORMER (EGPS)	SYD	770	A, B, C, D, E
0	VS	AH	0042	AHU 0-42 HEATING AND A/C SSF BUILDING	SSF	817	B,C
0	VS	AH	0044EX6	SSF ON LINE EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	DA	CD01	SSF CONSTANT VENTILATION (VS-AH-0044EX1) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	PS	SSFPS03	SSF ON-LINE VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	TT	SSFCT2	HVAC TEMPERATURE CONTROLLER (FOR SSF-CP-1)	SSF	822	A, B, C, D, E
1	AS	PT	0117P	AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	TB	796	D
1	BAG	BD	1UB1	CONTROL BOARD 1UB1	AB	822	A, B, C, D, E
1	BAG	BD	1UB2	CONTROL BOARD 1UB2	AB	822	A, B, C, D, E
1	BAG	BD	1VB2	CONTROL BOARD 1VB2	AB	822	A, B, C, D, E
1	C	DM	000A	POLISHING DEMINERALIZER 1A	TB	775	D
1	C	PS	0227	CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW	TB	775	D
1	C	TK	000A	UPPER SURGE TANK 1A	TB	838	D
1	C	TK	000C	UPPER SURGE TANK DOME	TB	838	D
1	CC	PU	0002	CCW PUMP 1B	INT	810	D,A
1	CC	PU	0024	EFWPT OIL COOLER PUMP	TB	775	C
1	CRD	CA	CC1	DCRDCS CONTROL CABINET CC-1	AB	809	A
1	EHC	CA	EHC1	EHC CAB 1EHC1	AB	809	D
1	EHC	CA	EHTC1	EHC TERM CAB 1EHTC1	AB	809	D
1	EL	BA	1PB	PWR BATT 1PB	TB	796	A, B, C, D, E
1	EL	BC	1PB	PWR BATT CHGR 1PB	TB	796	A, B, C, D, E
1	EL	BI	1KX	STATIC INVERTER 1KX (INCLUDES STATIC XFER SWITCH)	AB	796	A, B, C, D, E
1	EL	BK	1A	240/120V 1A REGULATOR OUTPUT BKR	AB	796	A, B, C, D, E
1	EL	CA	1AT3	AREA TERM CAB 1AT3	AB	809	A, B, C, D, E
1	EL	CA	1EB7	ELECTRICAL BOARD 1EB7	AB	822	A, B, C, D, E
1	EL	CA	SGLC1	STEAM GEN LOGIC CABINET	AB	809	A, B, C, D, E
1	EL	DI	1ADB	ISOL DIODE ASSEMBLY 1ADB	AB	796	A, B, C, D, E
1	EL	IR	PIR	UNIT 1 PNEUMATIC INSTR RACK	AB	809	B

Attachment 2

Oconee Unit 1, SWEL-1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	EL	LX	1X4	600V LC 1X04	TB	796	A, B, C, D, E
1	EL	LX	1X9	600V LC 1X09	AB	796	A, B, C, D, E
1	EL	MX	1XC	MCC 1XC	TB	775	D
1	EL	MX	1XGB	MCC 1XGB	TB	796	D
1	EL	MX	1XI	600V MCC 1XI	AB	809	D
1	EL	MX	1XL	MCC 1XL	AB	771	A, B, C
1	EL	MX	1XP	MCC 1XP	AB	796	A, B, C, D, E
1	EL	MX	1XR	600V MCC 1XR	AB	838	A
1	EL	MX	1XS1	MCC 1XS1	AB	796	A, B, C, D, E
1	EL	MX	1XSF1	MCC 1XSF-1 (208V)	SSF	797	A, B, C, D, E
1	EL	PL	1CPS	1 POWDEX PANEL	TB	775	D
1	EL	PL	1DCA	125V DC 1DCA	AB	796	A, B, C, D, E
1	EL	PL	1DCB	125V DC 1DCB	AB	796	A, B, C, D, E
1	EL	PL	1DIC	125V PPB 1DIC	AB	809	A, B, C, D, E
1	EL	PL	1EPSLP1	EPSL PANEL 1EPSLP1	AB	809	A, B, C, D, E
1	EL	PL	1SGFSP	B1T FAN SPEED CABINET	TB	796	A, B, C, D, E
1	EL	PL	1SKN	240/120V PPB 1SKN	ESV	797	A, B, C, D, E
1	EL	PL	PZR1B	600V PPB 1B (FOR PRESSURIZER HEATERS GROUP 1B BANK 2)	RB	817	A, B, C, E
1	EL	SH	1TC01	1TC BUS 2 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
1	EL	TF	0CT1	XFMR CT-1	YD	796	A, B, C, D, E
1	EL	TF	1XA	XFMR 1XA	TB	796	A, B, C, D, E
1	EL	TF	1XS3A	XFMR 1XS3A (600V TO 208V)	AB	796	A, B, C, D, E
1	EL	TF	1XSF	XFMR 1XSF (600V TO 208V)	SSF	817	A, B, C, D, E
1	EL	VR	000A	REGULATED PWR SUPP REG 1A	AB	796	A, B, C, D, E
1	ES	CA	1ESTC3	ESFAS EVEN/ODD TERM CAB 1ESTC3	AB	809	A, B, C, D, E
1	ESV	CA	1ESV1	ESV PUMP CONTROLS RELAY CABINET 1ESV1	AB	796	D
1	ESV	TK	0002	ESV Receiver Tank 1B	ESV	797	D
1	FD	LT	0082	SG 1A LEVEL TRANSMITTER	RB	777	D
1	FD	PL	0369	REMOTE STARTER ENCLOSURE FOR 1FDW-369	AB	809	D
1	FD	PS	1011	FWP 1A CONTROL OIL PRESSURE SWITCH	TB	775	D
1	FD	PU	0004	MDEFW PUMP 1A	TB	775	D
1	FD	VA	0086	PRESS REG TD PUMP SEALS	TB	775	D
1	HP	VA	0071	SEAL RETURN LINE RELIEF	AB	771	B
1	HPI	FT	0007A	HPI A TRAIN INJ FLOW TRANS	AB	758	A,B,C
1	HPI	PS	0357	LETDOWN FLOW TEMP HIGH INTERLOCK	AB	783	B
1	HPI	PU	0005	SSF RC MAKEUP PUMP	RB	777	B
1	HPI	SV	0090	CONTROLS LETDOWN ISOLATION VALVE FOR 1HP-5	AB	809	B
1	ICC	CA	0001A	UNIT 1 ICCM TRAIN A CABINET	AB	822	A, B, C, D, E
1	ICS	PL	ASP	AUX SHUTDOWN PANEL	TB	822	A, B, C, D, E
1	LP	VA	0006	LPI SUCTION CROSSOVER	AB	758	D
1	LPI	FT	0004P	LPI TRAIN 1B INJ FLOW TRANS (Powered by ICCM)	AB	809	D
1	LPI	HX	000A	LPI COOLER 1A	AB	771	D
1	LPI	TE	0210	LPI COOLER 1A OUTLET TEMP (ICS Input)	AB	771	D
1	LPS	FT	0124	LPI COOLER 1A FLOW XMTR (1LPSW-251)	AB	771	D

Attachment 2

Oconee Unit 1, SWEL-1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
1	LPS	SV	1001	SOLENOID VALVE FOR 1LPSW-252	AB	783	D
1	MS	PS	0086	MAIN STEAM PRESS SWITCH (1MS-19)	TB	796	D
1	MS	VA	0006	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0010	MAIN STEAM SAFETY RELIEF	AB	809	D
1	MS	VA	0080	MS TO 2ND STAGE RHTR ISOL	TB	796	D
1	MS	VA	0129	MS TO AS CONTROL VALVE	TB	796	D
1	N	TK	0003	NITROGEN SUPPLY FOR 1FDW-315 & 1FDW-316	AB	838	D
1	PPS	CA	0005	RPS C/ES C1	AB	822	A, B, C, D, E
1	PPS	CA	0009	ES A2	AB	822	A, B, C, D, E
1	PPS	CA	0011	ES C2	AB	822	A, B, C, D, E
1	PPS	CA	0018	ES STATUS EVEN	AB	822	A, B, C, D, E
1	RBC	AH	0020A	RBCU FAN 1A	RB	825	E
1	RBC	HX	000DAUX	AUX RBCU D	RB	844	E
1	RC	LT	0004P1	PRZ LEVEL TRANSMITTER	RB	797	B,C
1	RC	PT	0166P	RCS LOOP B PRESS TRANS	RB	825	C
1	RC	PT	0226	U1 RC LOOP B PRESSURE	RB	819	C,D
1	RC	RD	0006A	A1 COLD LEG RTD	RB	797	C,D
1	RC	SV	0231	CONTROLS POST ACC. SAM. VLV(1RC-179)	AB	758	A
1	RC	VA	0066	PRZ PORV	RB	853	B,C
1	RC	VA	0159	RV VENT ISOLATION	RB	844	A,B,C
1	RC	VA	0179	POST ACC SAMPLE THROTTLE	AB	758	A
1	SSF	TN	TB1XSFG01	1XSFG01 ENCLOSURE	SSF	777	A, B, C, D, E
1	SSW	FT	1013	ESV PUMP 1C SEAL WATER FLOW TRANSMITTER	ESV	797	D
1	TO	TK	0002	EFW PUMP TURBINE OIL TANK	TB	775	C
1	TO	TN	TBEH1B	FWPT 1B MAIN OIL TANK TERM BOX EH	TB	775	D
1	VS	AH	0011	AHU-11 CONTROL ROOM A/C	AB	838	A
K0	ELK	TF	0001	MAIN TRANSFORMER	KEO	702	A, B, C, D, E
K1	CO	SV	20P2	GEN 1 CO2 CYL RELEASE VALVE (MAIN BANK)	KEO	702	A, B, C, D, E
K1	ELK	BA	KB1	BATT BANK 1	KEO	675	A, B, C, D, E
K1	ELK	BD	CB01	CONTROL BOARD 01	KEO	688	A, B, C, D, E
K1	ELK	CA	1MTC1	U1 MISC TERM CAB 1MTC1	KEO	675	A, B, C, D, E
K1	ELK	MX	1XA	600V AC MCC 1XA	KEO	683	A, B, C, D, E
K1	ELK	TN	0109	TERMINAL BOX 109	KEO	683	A, B, C, D, E
K1	OG	TK	0003	GOVERNOR OIL PRESS TANK	KEO	683	A, B, C, D, E
K1	PM	DT	MPU1A	SPEED CONTROL MAGNETIC PICKUP 1A	KEO	667	A, B, C, D, E
K1	WL	VA	0011	GEN COOL ISOL VALVE (1WL-11)	KEO	683	A, B, C, D, E
K2	ELK	BC	KC2	BATT CHARGER 2 (KC-2)	KEO	675	A, B, C, D, E
K2	ELK	CA	2MTC1	U2 MISC TERM CAB 2MTC1	KEO	675	A, B, C, D, E
K2	ELK	PL	2DA	125V DC DIST CENTER 2DA	KEO	675	A, B, C, D, E
K2	ELK	TN	0203	TERM BOX TB-203	KEO	675	A, B, C, D, E
K2	GA	HX	0003	GEN AIR COOLER 3	KEO	667	A, B, C, D, E
K2	HPO	PU	88HA	AC GEN HP LIFT PUMP (88HA)	KEO	675	A, B, C, D, E
K2	TS	LS	63SB	TURB SUMP LEVEL SWITCH (2TSLS0002)	KEO	675	A, B, C, D, E

Attachment 3

Oconee Unit 1, SWEL-2, Base-2 and Rapid Drawdown List

EQ. ID	Description	Sys	EQ. Class	BLDG	Col #	Elev	Room #	Safety Function
0SFPU0001	A SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFPU0002	B SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFPU0004	BWST Recirculation Pump	SF	06/Vertical Pump	Aux. Building	T-74	783' 9"	218	SF Pool Cooling
0SFPU0006	C SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFHX000A	A SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-74	783' 9"	218	SF Pool Cooling
0SFHX000B	B SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-74	783' 9"	218	SF Pool Cooling
0SFHX000C	C SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFFL000A	A SF Filter	SF	21/Tanks Heat Exchanger	Aux Building		783'	219	SF Pool Cooling
0SFFL000B	B SF Filter	SF	21/Tanks Heat Exchanger	Aux Building		783'	219	SF Pool Cooling
0SFDM0001	SF Demin	SF	21/Tanks Heat Exchanger	Aux Building		783'	219	SF Pool Cooling

Attachment 4
Oconee Unit 1, SWEL-2 List

EQ. ID	Description	Sys	EQ. Class	BLDG	Col #	Elev	Room #	Safety Function
0SFPU0001	A SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFPU0002	B SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFPU0006	C SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFHX000A	A SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-74	783' 9"	218	SF Pool Cooling
0SFHX000B	B SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-74	783' 9"	218	SF Pool Cooling
0SFHX000C	C SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-73	783' 9"	218	SF Pool Cooling

Enclosure 2

Unit 2 Seismic Walkdown Report
(NRC 50.54 (f) NTTF Recommendation 2.3)

Executive Summary

Electric Power Research Institute (EPRI) Report 1025286, Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic was issued in June 2012. This Document provides guidance and procedures to perform seismic walkdowns as required by the U.S. Nuclear Regulatory Commission's (NRC's) 50.54(f) letter regarding Near-Term Task Force (NTTF) Recommendation 2.3: Seismic. The EPRI guidance covers selection of personnel; selection of a sample of structures, systems, and components (SSCs) that represent diversity of component types and assures inclusion of components from critical systems / functions; conduct of the walkdowns; evaluation of potentially adverse conditions against the plant seismic licensing basis; and reporting requirements. It also includes check lists to be used by the Seismic Walkdown Engineers (SWEs) in performing the seismic walkdowns and walk-bys. Duke Energy committed to implement resolution of Near-Term Task Force (NTTF) Recommendation 2.3: Seismic using EPRI Report 1025286 in a letter to the NRC dated 7/9/2012.

1. Seismic Licensing Basis

The seismic design basis for SSCs at Oconee nuclear station are defined in Section 3.7 of the UFSAR. Due to the vintage of Oconee nuclear station, some seismic terminology is not consistent with current terminology. The Operating Basis earthquake (OBE) is also referred to as the Design Basis earthquake (DBE) and the Safe Shutdown earthquake (SSE) is also referred to as the Maximum Hypothetical Earthquake (MHE).

1.1. Response Spectra

The seismic spectrum response curves for Oconee were generated by the time history technique of seismic analysis. The sample earthquake utilized is that recorded at El Centro, California, N-S, May18, 1940. The Peak Ground Acceleration (PGA) for the Design Basis earthquake (DBE) is 0.05g. The PGA for the Maximum Hypothetical earthquake (MHE) for Class 1 Structures founded on rock is 0.1g. The PGA for the Maximum Hypothetical Earthquake (MHE) for Class 1 Structures founded on overburden is 0.15g.

1.2. Seismic Qualification

1.2.1. Seismic Qualification of Safety-Related Mechanical Equipment

When the response spectra at each elevation in the building have been determined, the G-loadings imposed on a component may then be determined. These loads are evaluated by the equipment supplier and in the case of complex components such as heat exchangers, the design calculations performed by the supplier are reviewed by B&W Engineering or Duke Energy, as applicable. The supplier has the freedom to use either of two alternate analytical methods to evaluate the equipment or he may choose to test it. Components maybe tested by either shaker or impact tests or a certification of the test results are required. In a few cases, a manufacturer's certification that the equipment would withstand seismic conditions is acceptable based on tests of similar equipment, an example of this would be similar type pumps. Analytically the evaluation can be made by calculating the natural frequency of the component, entering the appropriate damping curve and determining the amplification factor from the response spectrum curve. The equipment is then evaluated using these G-loadings. As an alternative, the component may be evaluated without calculating the natural frequency by using the peak amplification factor from the appropriate damping curve to determine the equipment loads. This latter approach is conservative. Special attention is given to

foundation and nozzle loadings for equipment such as tanks, pumps, heat exchangers, demineralizers and filters. Loads imposed by connecting piping on a given component are included and in some cases, component nozzles have had to be reinforced to accommodate these loads. Components which are most likely to require special reinforcement due to seismic loads, are long, horizontal, saddle mounted tanks, vertical tanks mounted on legs, and stacked heat exchangers. These have all been evaluated and appropriately designed for the seismic conditions. An alternate method of seismic qualification for mechanical equipment (within the applicable equipment classes) would be an experience based approach. Seismic adequacy can be established using methods described in the Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment, Revision 3A, developed by the Seismic Qualification Utility Group (SQUG). This method is also commonly known as SQUG.

1.2.2. Seismic Qualification of Safety-Related Electrical Equipment

The seismic design basis for instrumentation and electrical equipment is that the electrical devices considered essential in performing Reactor Protection and Engineered Safeguards functions and in providing emergency power shall be designed to assure that they will not lose their capability to perform intended safety functions during and following the Safe Shutdown Earthquake (SSE). This basic criteria has remained unchanged since the issuance of the operating license; however, the seismic qualification techniques and documentation requirements for various plant modifications have in many instances followed the advances in the state of the art.

The seismic adequacy of all electrical cable tray supports is established by the methods and criteria established for cable tray supports in the Generic Implementation Procedure (GIP-3A) for Seismic Verification of Nuclear Plant Equipment, Rev 3A, developed by the Seismic Qualification Utility Group (SQUG).

In order to meet the seismic design objectives defined in UFSAR Section 3.10.1, the following seismic evaluation methods were employed consistent with the applicable licensing commitment.

Testing
Devices may be qualified by either shaker or impact tests. A certification of the test results or copies of the test results are required. Additionally, a manufacturer's certification that a certain type of equipment would withstand the seismic conditions is acceptable based on previous testing/experience with similar equipment.

Analysis
Devices may also be qualified by analytical methods. For example, one evaluation method involves calculating/determining the natural frequency of the device, entering the appropriate response spectra damping curves, and determining the corresponding amplification factor. The device is then evaluated using this "G" loading value. Alternatively, the devices may be evaluated without calculating/determining its natural frequency by using the peak amplification factor from the appropriate response spectra damping curve to determine the "G" loading.

An alternate method of seismic qualification for electrical equipment (within the applicable equipment classes) would be an experience based approach. Seismic adequacy can be established using methods described in the Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment, Revision 3A,

developed by the Seismic Qualification Utility Group (SQUG). This method is also commonly known as SQUG.

1.3. Response to generic letter 87-02

Generic Letter 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46," was issued because the NRC concluded that the seismic adequacy of certain equipment in operating plants must be reviewed against seismic criteria developed during the resolution of Unresolved Safety Issue (USI) A-46.

The NRC determined that it is not feasible to require older operating plants to meet new licensing requirements that were not in use when plants were licensed. Therefore, an alternative method was selected to verify the seismic capability of equipment. This alternative method used a compilation of existing earthquake experience data supplemented by test data as the basis to verify the seismic capability of equipment. Generic Letter 87-02 allowed the seismic verification to be accomplished by utilities through a generic program, and the Seismic Qualification Utility Group (SQUG) was formed. The SQUG developed a Generic Implementation Procedure (GIP) that documents the seismic verification process, procedures, and methodologies for verifying the seismic qualification of equipment and resolving USI A-46. Supplement 1 of Generic Letter 87-02 endorsed use of the GIP for the seismic qualification process and contained revised licensee actions. Oconee performed the seismic qualification process in accordance with the NRC enforced version of the GIP. In a Safety Evaluation Report, the NRC concluded that Oconee met the purpose and intent of the seismic qualification process and that the corrective actions and modifications provide sufficient basis to close the USI A-46 review at Oconee.

The seismic verification process is considered part of the seismic licensing basis for Oconee, so the seismic qualification criteria developed by the SQUG in response to Generic Letter 87-02 must be considered during mechanical and electrical equipment modifications.

1.4. Codes and Standards

The following codes, standards, and specifications were used during the design, construction, testing and in-service inspection of Class 1 Structures:

- ASME-1965 - Boiler and Pressure Vessel Code, Sections III, VIII, and IX
- AISC - Steel Construction Manual, 6th ed
- Regulatory Guide 1.92, Combining Responses And Spatial Components In Seismic Response Analysis, Revision 1, February 1976
- Regulatory Guide 1.29, Seismic Design Classification, Revision 3, September 1978
- Supplement No. 1 To Generic Letter (GL) 87-02 That Transmits Supplemental Safety Evaluation Report NO.2 (SSER NO. 2) On SQUG Generic Implementation Procedure Revision 2, As Correction On February 14, 1992 (GIP-2), May 22, 1992
- NRC Letter To SQUG Dated December 4, 1997. Supplemental Safety Evaluation Report NO. 3 (SSER NO. 3) On The Review Of Revision 3 To The Generic Implementation Procedure For Seismic Verification Of Nuclear Power Plant Equipment, Updated 5/16/97 (GIP-3)
- NRC Letter To SQUG Dated 6/23/99, Review Of Seismic Qualification Utility Group's Report on the use of Generic Implementation Procedure for New and Replacement Equipment and Parts

2. Personnel Qualifications

The personnel involved in the Oconee NTTF Recommendation 2.3 Seismic Walkdown effort met the qualification requirements of EPRI 1025286. The personnel responsibilities and qualifications are outlined in TABLE 2.1 below. (Note: PE=Professional Engineer, CLB=Current License Basis, SWEL= Seismic Walkdown Equipment List)

Table 2.1

Personnel	Degree	Years of Experience	Relevant Qualifications	Seismic walkdowns	SWEL Development	CLB Reviews	Peer Reviews
Russell Childs (Duke Energy)	BS/Civil Engineering	30	PE, SCE(1), SWE(2), IPEEE(6)		X(3)	X	
Ray Mc Coy (Duke Energy)	BS/Civil Engineering	32	PE,SCE			X	
Bob Hester (Duke Energy)	BS/Civil Engineering	36	PE,SCE			X	
Paul Mabry (Duke Energy)	BS/Nuclear Engineering	27	SRO(4), STA(5)		X		
Tommy Loflin (Duke Energy)	AS/Electrical Engineering	35+	SRO(4)		X		
Jim Weir (Duke Energy)	BS/Mechanical Engineering	31	SWE(2), SFC SYS ENG		X		
Charles M. Conselman (ARES)	BS/Civil Engineering	28	PE,SCE(1), SWE (2)	X(3)			
James White (ARES)	BS/Civil Engineering	42	PE,SCE(1), SWE (2)	X(3)			
John North (ARES)	BS/Civil Engineering	28	PE,SWE(2)	X(3)			
Mike Donnelly (ARES)	BS/Civil Engineering	4	SWE(2)	X			
Anthony Fazio (Shaw)	BS/Chemical Engineering	40+	SWE(2)	X			
John Spizuoco (Shaw)	BS/Mechanical Engineering	44	PE,SCE(1), SWE(2)	X			
Arthur Richert (Shaw)	BS/Mechanical Engineering	32	PE,SWE(2)	X			
Paul Baughman (ARES)	BS/Civil Engineering	>40	PE,SCE(1), SWE (2)				X(3)
George Bushnell (Shaw)	BS/Mechanical Engineering	>40	PE,SCE(1), SWE (2)				X
Robert L. Keiser (Duke Energy)	MS/Civil Engineering	>20	PE,SCE(1), SWE (2)				X

NOTES:
1) Seismic Capability Engineers (SCEs) who have successfully completed EPRI Experience Based Seismic Evaluation training.
2) Seismic Walkdown Engineers (SWEs) have successfully completed EPRI 1025286 2 day walkdown training course.
3) Senior Team Member.
4) Prior Senior Reactor Operator (SRO).
5) Prior Shift Technical Advisor
6) IPEEE seismic Walkdown Coordinator and current A-46/IPEE Program Owner (SQUG)

3. Selection of SSCs

The Oconee Unit 2 SWEL-1 and SWEL-2 equipment selection was performed in accordance with the EPRI guidance outlined in EPRI Technical Report #1025286. SWEL-1 represents a

sample of items to safely shut down the reactor and maintain containment integrity. SWEL-2 represents spent fuel pool related items.

The Oconee USI A-46/IPEEE Safe Shutdown Equipment List (SSEL) was used as the basis for the Base-1 equipment list. The scope of the Seismic Walkdown Equipment List (SWEL) is limited to SSCs that are classified as Seismic Category I. This is done such that items have a defined seismic licensing basis against which to evaluate the as-installed configuration. Oconee is a USI A-46 plant. The purpose of the USI A-46 program was to verify the seismic adequacy of essential equipment in older operating plants that had not been qualified in accordance with more recent criteria. Many of the SSC's listed in the USI A-46/IPEEE Safe Shut down Equipment List (SSEL) are not category I. However, Oconee programmatically maintains the seismic capability of these components. Therefore, for the purpose of developing the SWEL all USI A-46/IPEEE components are considered to have a seismic licensing basis.

The A-46/IPEEE SSEL effectively represents the output of EPRI guidance equipment Screening criteria's #1, #2 and #3. The underlying data used to generate the Base-1 list is contained in an ACCESS database. This ACCESS database was used to generate the Base-1 Equipment List from which the SWEL-1 was selected. The equipment comprising the Base-1 equipment list is contained in Attachment 1. Their individual Safety Function is identified as shown below. Some components support more than one safety function.

A. Reactor reactivity control
B. Reactor coolant pressure control
C. Reactor coolant inventory control
D. Decay heat removal
E. Containment function

The Base-1 Equipment List is comprised of 2264 components from Oconee Units 1, 2 & 3 & components that support all 3 Units (Common). The Base-1 Equipment list is contained in Attachment 1.

3.1. SWEL-1 Development

EPRI TN-1025286 specifies that the SWEL-1 should be comprised of between 90-120 components and that each unit should have its own individual SWEL-1.
357 of the Base-1 components are Common components that support all 3 units. In order to account for these common components, ~10% (39 items) of the base-1 common components were selected as SWEL-1 components. All of the 39 common components are considered to be part of each individual unit's SWEL-1.

The Unit 2 SWEL-1 consists of 131 components. Of these 131 components, 39 are common components which are also represented in each individual unit's SWEL-1. Attachment 2 contains the SWEL-1 components for Unit 2. The criteria for selection of equipment to be included in the SWEL are described in EPRI TN-1025286 section 3

Screen #4 -- Sample Considerations -
Five sample selection attributes that should be represented in SWEL 1:

- A variety of types of systems
- Major new and replacement equipment
- A variety of types of equipment
- A variety of environments
- Equipment enhanced due to vulnerabilities identified during the IPEEE program

In addition to the five sample considerations listed above, the equipment selected for the SWEL-1 should include considerations of the contribution to Risk for the SSC's and should also include a review by appropriate Operations personnel.

SWEL-1 Systems -
The SWEL-1 equipment list represents 23 systems associated with the 5 safety functions.

SWEL-1 Types of Equipment -
The SWEL-1 lists contain representative equipment from all equipment classes with the following exceptions:

- There are no equipment Class 11 (Chillers), Class 12 (Air Compressors), or Class 13 (Motor - Generators) components on the Unit 2 SWEL-1 list because they are not represented in the Base-1 list.
- There are no equipment Class 17 (Engine - Generators) components on the Unit 2 SWEL-1. The Standby Shutdown Facility (SSF) Diesel Engine (16 Cylinder) (0SSFDE000A) is listed on the Base-1 list. However, it was not selected as part of the SWEL-1 due to its inherently robust nature and the very low seismic input at its location.
- Class 09 (Fans) are not included in the Unit 2 SWEL-1 but are represented in the SWEL-1 Common components list.

SWEL-1 Equipment locations -
The SWEL-1 equipment list includes equipment located in a broad variety of areas and environments. These areas comprise multiple buildings and elevations and include equipment located both inside and outside. The equipment areas provide a broad range of equipment environmental conditions, which include:

- Mild environmental conditions with limited temperature and humidity variations (e.g. Control Room, Cable Rooms, Equipment Rooms, SSF Electrical Room, Relay House, etc.)
- Moderate environmental conditions (e.g. general areas of the Auxiliary Building, East & West Penetration Rooms, SSF Diesel Room, SSF Battery Room, Control Room Ventilation Rooms, etc.)
- Moderate to harsh environmental conditions (e.g. LPI/BS/HPI Pump Rooms, LPI Cooler Room, etc.)
- Harsh environmental conditions (e.g. Inside RB Containment, etc.).
- Partial exposure to outdoor environmental conditions (e.g. Switchyard, Intake Structure)
- Wet environments (Keowee Turbine Wheel Pit)

SWEL-1 Major New and Replacement Equipment -
In order to capture significant new and replacement equipment on the SWEL-1, a query was written which related the Base-1 equipment list to underlying data supporting Engineering Changes in the Duke Energy Nuclear Asset Suite Software (NAS). By doing this, a list EC's associated with all components on the Base-1 equipment list was generated. Editorial and minor modifications were then filtered out of the list. The following New and Replacement Equipment have been included in the Unit 2 SWEL-1.

Equip ID No.	Name	Engineering Change	MOD Description
2BSPS0021	RB PRESS HI (ES CH 8) TRAIN B	EC0000077068	OD200069 - (REFURB) UNIT 2 RPS REPLACEMENT MODIFICATION
2BSPS0021	RB PRESS HI (ES CH 8) TRAIN B	EC0000077067	OD200068 - (REFURB) UNIT 2 ESFAS REPLACEMENT MODIFICATION
2CLT0015A	UST 2B LEVEL	EC0000075264	NSM ON-23098/00/00/AK1 - UPPER SURGE TANK INVENTORY PROTECTION
2CPS0036	UST MAKEUP LEVEL CONTROL (PS-36)	EC0000075264	NSM ON-23098/00/00/AK1 - UPPER SURGE TANK INVENTORY PROTECTION
2CVA0192	HOTWELL NORMAL MAKEUP CONTROL	EC0000075356	NSM ON-23098/00/00/AM1 - UPPER SURGE TANK INVENTORY PROTECTION
2CRDCACC1	DCRDCS CONTROL CABINET CC-1	EC0000090126	OD200547 - (REFURB) REPLACE CRDM CONTROL SYSTEM
2ELBC2CA	CONTROL BATT CHGR 2CA	EC0000091849	EC91849 - BKUP PWR-U2 PRESR.HTR AND BAT CHRG 2CA & 2CB FRM PSW
2ELPL2SKP	240/120V PPB 2SKP	EC0000049837	NSM ON-43000/00/00/BL1 - OCONEE SERVICE WATER
2ESCA2ESTC2	ESFAS EVEN CH TERM CAB 2ESTC2	EC0000077067	OD200068 - (REFURB) UNIT 2 ESFAS REPLACEMENT MODIFICATION
2ESVTF0001	600/240/120V 2SKM POWER TRANSFORMER	EC0000049837	NSM ON-43000/00/00/BL1 - OCONEE SERVICE WATER
2HPIHX000A	LETDOWN COOLER 2A	EC0000104674	ALLOW FOR REPLACEMENT OF 1/2/3 HPI HX 000A/000B (LETDOWN COOLERS)
2LPIFT0004P	LPI TRAIN 2B INJ FLOW TRANS (Powered by ICCM)	EC0000051801	NSM ON-23093/00/00/AK1 - (REFURB) ECCS AND OP. EQ., LPI CROSS CONNECT
2LPIFT0004P	LPI TRAIN 2B INJ FLOW TRANS (Powered by ICCM)	EC0000089712	OD200443 - (REFURB) UNIT 2 CONTROL ROOM CHART REC REPLACEMENT
2RCLT0123	2A RCS HOT LEG LVL (ICCM A)	EC0000089712	OD200443 - (REFURB) UNIT 2 CONTROL ROOM CHART REC REPLACEMENT
2RCPT0166P	RCS LOOP B PRESS TRANS	EC0000077068	OD200069 - (REFURB) UNIT 2 RPS REPLACEMENT MODIFICATION
2RCPT0225	U2 RC LOOP A PRESSURE	EC0000090683	OD200614 - REPLACE SSF CONTROL CONSOLE INDICATORS AND RCS PTS
2RCRD0043A	PRZ RTD	EC0000089712	OD200443 - (REFURB) UNIT 2 CONTROL ROOM CHART REC REPLACEMENT

Oconee revised the modification process at the completion of the A-46/IPEEE programs to require plant modifications to evaluate impact to A-46/IPEEE components to ensure that the seismic capability of A-46/IPEEE components was not degraded.

Current site projects such as Protected Service Water (PSW) which are not operational and not currently credited within the Current Licensing Basis of Oconee are not within the scope of the SWEL-1.

SWEL-1 Equipment Enhanced per IPEEE -
Significant IPEEE enhancements associated with the Base-1 equipment list as reported in the IPEEE submittal dated 12/15/1997 were identified. SWEL-1 SSCs were selected such that a sampling of SSCs which had been enhanced per IPEEE was included. The following SWEL-1 SSCs were enhanced due to IPEEE.

Equip ID No.	Name	Engineering Change	MOD Description
2ELBK2A	240/120V 2A REGULATOR OUTPUT BKR	ONOE-14019	Add weld between 2B/XFMR and plate.
2ELIRMC12	INSTRUMENT RACK 2MC-12	ONOE-14280	Add top bracing to instrument rack.

Equip ID No.	Name	Engineering Change	MOD Description
2ELLX2X1	600V LC 2X01	ONOE-14718	Weld transformer section of Load Centers 2X01 to embedded angle.
2ELLX2X2	600V LC 2X02	ONOE-14719	Weld transformer section of Load Centers 2X02 to embedded angle.
2ELMX2XJ	600V MCC 2XJ	ONOE-14377	Repair anchorage or document adequacy of underlying shim plate at rear of MCC
2ELMX2XL	MCC 2XL	ONOE-14427	Trim cable tray above MCC and restrain horizontally.
2ELMX2XO	MCC 2XO	ONOE-12879	Add shims to 2XO.
2ELMX2XSF	MCC 2XSF(600V)	ONOE-12957	Add padding between 2XSF(208v) and 3XSF(208v).
2ELMX2XSFA	MCC 2XSF(208V)	ONOE-12957	Add padding between 2XSF(208v) and 3XSF(208v).
2ELTF2B	XFMR 2B (600V TO 240V)	ONOE-14019	Add weld between 2B/XFMR and plate.

SWEL-1 Risk Considerations -
EPRI TN-1025286 requires that the development of SWEL 1 should include consideration of the importance of the contribution to risk for the SSCs.

In response to IPEEE, Oconee utilized the results of seismic margin methodology walkdowns to enhance the existing seismic PRA. These results are documented in OSC-10225 "Seismic PRA/IPEEE Backup Calculations" and summarized in the Supplemental IPEEE submittal Report. From the conclusions presented in the Supplemental IPEEE submittal Report, PRA sequences involving loss of power and SSF response make up several of the most dominate PRA cut sets. SSC's supporting Keowee, the SSF and the 230 KV switchyard are well represented in the SWEL-1.

In addition, input was obtained from the General Office PRA group to determine a ranking of the most seismically risk significant components.

Of the 31 unscreened PRA events with a % contribution to CDF > 0, 19 are represented in the combined SWEL-1's for Units 1, 2 &3. This represents 61% of PRA risk significant components and meets the intent of EPRI TN-1025286

SWEL-1 Operations review -
The SWEL-1 equipment listed was submitted to Oconee Operations for review as recommended within EPRI TN-1025286. Operations concurred with the equipment listed on the SWEL-1 list. The SWEL-2 equipment list was developed within the Oconee Engineering organization by a highly experienced engineer who had previously held a Senior Reactor Operators License (SRO) and was previously an Operations Shift Technical Advisor (STA).

3.2. SWEL-2 Development

The Oconee Unit 2 SWEL-2 spent fuel pool equipment list was developed in accordance with the EPRI guidance. Seismic Category I structures, piping, and containment penetrations were specifically excluded by the EPRI guidance. The four screening criteria specified were as follows:

1) Seismic Category I or USI A-46 (SQUG) licensing bases,
2) Spent Fuel Pool (SFP) equipment appropriate for an equipment walkdown process,
3) Sample considerations represent broad population of equipment with considered sample selection attributes such as:

a. represent a variety of systems,
b. major new/replacement equipment,
c. variety of equipment types,
d. variety of environments

4) Equipment which could result in rapid drain down of the SFP (includes both seismic and non-seismic components and similar factors outlined in 3) above.

The SWEL-2 equipment Base-2 (Attachment 3) was established based on screens #1 and #2 above. Equipment was selected from the Base-2 list based on screening criteria #3 above, and primarily included major equipment such as the spent fuel cooling system pumps, pump motor air handling units, and heat-exchangers.

The SWEL-2 list was further evaluated based on screening criteria #4 above, to include equipment which could result in SFP rapid drain-down, as defined by the EPRI guidance. All three Oconee Unit's have SF Pool transfer tubes that open to the SF Pool in normal operation. The SSF RC Make-up and letdown lines penetrate into the SF Pool transfer tubes. The SSF Make-up and Letdown lines meet Seismic Category 1. There were also SF Pool discharge lines at valves SF22&50 and 3SF-22&50 that could meet the criteria for a rapid drain down due to a siphon if the SF Cooling pump discharge piping, which meets Seismic Category 1, were to fail outside the SF Pool. However, this vulnerability had previously been identified and procedure requirements prevent system alignment and thereby remove this vulnerability. For these reasons, there are no rapid draw down items on the SWEL-2.

The SWEL-2 components were selected based on their radiological accessibility. Of the 3 pumps identified in the SWEL-2 base list, 2 were included in the SWEL-2. Of the 7 Tanks identified in the SWEL-2 base list, 4 were included in the SWEL-2. This sampling is in accordance with EPRI TN-1025286.

The final SWEL-2 list is provided in Attachment 4.

4. Seismic Walkdowns and Area Walk-Bys

SWEL-1 SSCs which could only be accessed during an outage will be walked down by Duke Energy personnel and reported on at a later date. These SSCs are listed below.

Unit	Bldg	Equip ID No.	Name
2	AB	2MSVA0016	MAIN STEAM SAFETY RELIEF
2	RB	2CFTK000A	CORE FLOOD TANK 2A
2	RB	2FDWLT0066	S/G 2A LEVEL
2	RB	2HPIFT0157	U2 RC MAKE UP PUMP FLOW
2	RB	2HPIHX000A	LETDOWN COOLER 2A
2	RB	2HPIPU0005	SSF RC MAKEUP PUMP
2	RB	2RBCHX000AAUX	AUX RBCU A
2	RB	2RCPT0166P	RCS LOOP B PRESS TRANS
2	RB	2RCPT0225	U2 RC LOOP A PRESSURE
2	RB	2RCRD0043A	PRZ RTD
2	RB	2RCRD0084A	REACTOR OUTLET LOOP 2A
2	RB	2RCVA0005	PRZ STEAM SAMPLE ISOLATION
2	BH1	2ELSHB1T12	BIT INSTRUMENTATION SECTION

Duke Energy contracted with the Shaw Group / ARES Corporation team to perform the majority of the NTTF 2.3 seismic walkdowns at Oconee Nuclear Station. A summary report of the

walkdowns along with the individual Seismic Walkdown Checklists and the Area Walk-By Checklists are contained in this report. The NTTF 2.3 Seismic Walkdown Report for Unit 2 is contained in Attachment 5. . Items found to be inaccessible during this walkdown are addressed below.

Inaccessible SSCs -
No Unit 2 SSC's were inaccessible due to their physical location or due to personnel safety concerns.

The anchorage for one SSC was only partially visible due to some of the welds being covered by mortar spillage from an adjacent masonry wall. A station Work request has been written to clean the weld area and the welds will be evaluated at a later date. This Item and several other inaccessible items listed below are common to all 3 units but will be included in the Unit 1 update report.

Unit	Bldg	Equip ID No	Name
0	SYD	0SYDPLSYDC1	SWITCHYARD DISTRIBUTION CENTER 1
K1	KEO	K1PMGDTMPU1A	SPEED CONTROL MAGNETIC PICKUP 1A
K2	KEO	K2ELKTN0203	TERM BOX TB-203
K2	KEO	K2GAHX0003	GEN AIR COOLER 3
K2	KEO	K2HPOPU88HA	AC GEN HP LIFT PUMP (88HA)
K2	KEO	K2TSLS63SB	TURB SUMP LEVEL SWITCH (2TSLS0002)

An update to this report will be submitted by April 15, 2014. The update will provide the results associated with the Outage deferred items. Associated Area Walk bys for the listed components will be completed in conjunction with the individual SSC's.

5. Licensing Basis Evaluations

A total of 17 potential adverse conditions were identified per the Seismic Walkdowns and the A total of 13 potential adverse conditions were identified per the Seismic Walkdowns and the Area walk-bys. All of these potential issues were entered into the Corrective Action Program (CAP). All potential adverse conditions were evaluated for their compliance with the seismic licensing basis within the CAP and were found to be acceptable. Station Work Requests were written for some conditions as good practice. The potential adverse conditions and their individual Problem Investigation process (PIP) tracking numbers are listed in the NTTF 2.3 Seismic Walkdown Report for Unit 2 contained in Attachment 5.

6. IPEEE Vulnerabilities Resolution Report

Oconee submitted its response to IPEEE on 12/21/1995 & 12/15/1997. In those submittals, Oconee stated that there were no underlying significant sequences (vulnerabilities) from external events. There were also no plant changes identified that would significantly reduce risk from external events.

Table 6-1 of the IPEEE Submittal dated 12/15/1997 listed 152 enhancements. The enhancements identified have been completed by either Station Work Request, Plant Modification or Analysis.

Oconee is a USI A-46 plant and performed the USI A-46 walkdowns in conjunction with the IPEEE walkdowns. In Oconee's letter to the NRC dated 9/12/2002, Oconee confirmed that outliers associated with Generic Letter 87-02 (USI A-46) have been completed. Oconee performed the USI A-46 seismic evaluations in conjunction with the IPEEE evaluations. The

criteria for both programs were conservatively enveloped such that an evaluation of a given component would address all aspects of both programs. IPEEE enhancements are a subset of the overall USI A-46 outliers. Therefore, implementation of the IPEEE enhancements is confirmed by the 9/12/2002 SQUG Outlier Resolution Completion Notice.

7. Peer Review

Duke Energy (Duke) contracted with the Shaw Group (Shaw) / ARES Corporation (ARES) Team to perform the NTTF 2.3 peer review at the Oconee Nuclear Station (ONS). The Peer Review Report is contained in Attachment 6.

The Peer Review Team consisted of three individuals, all of whom have seismic engineering experience as it applies to nuclear power plants. These individuals participated in the peer review of each of the activities. The members of the Peer review team and their qualifications are listed in table 2.1

The Peer Review team concluded that the Shaw/ARES methodology conforms to the guidance in Section 6 of EPRI 1025286. The peer review covered the following:

- The selection of the SSCs included on the Seismic Walkdown Equipment List (SWEL).
- A sample of the checklists prepared for the seismic walkdowns and area walk-bys.
- The licensing basis evaluations.
- The decisions for entering the potentially adverse conditions in the Corrective Action Program (CAP) process.
- The submittal report.

The peer review process for the SWEL development and the seismic walkdowns consisted of the following:

- Reviewing the activity guidance in EPRI 1025286, the NEI Q&A bulletins, the NEI first-mover reports, and NRC Temporary Instruction 2515/188.
- Conducting an in-process review at the plant site, including interviews with the personnel performing the activity and reviewing in-process documentation.
- Performing an in-plant surveillance (for the walkdown activity) of a seismic walkdown and an area walk-by.
- Providing in-process observations and comments to the personnel performing the activities.
- Conducting a final review of a sample of the completed documentation.

The peer review process for the licensing basis evaluations and the decisions for entering potentially adverse conditions into the CAP consisted of reviewing the overall review process and a sample of the licensing basis reviews. The peer review process for the submittal report consisted of reviewing the draft submittal prepared by Oconee Design Engineering for licensing review.

The conclusion of the peer review is that the ONS NTTF 2.3 seismic walkdown effort has been conducted in accordance with the guidance in EPRI 1025286. Comments made during the in-process review of the SWEL development and the walkdowns have been addressed

satisfactorily. In-process comments on the final walkdown reports, the licensing basis reviews, and the submittal have also been resolved.

REFERENCES:

1) UFSAR Section 3.2.1 Seismic Classification (Rev. 21)
2) UFSAR Section 2.5.1.2 Site Geology (Rev. 21)
3) UFSAR Sections 2.5.2.10, 2.5.2.11 SSE/OBE (Rev. 21)
4) UFSAR Section 3.7 Seismic Design (Rev. 21)
5) EPRI Report 1025286, Dated May 2012, Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force (NTTF) Recommendation 2.3 (ATTACHMENT 1).
6) Oconee NRC Response to GL 88-20, Individual Plant Examination of External Events (IPEEE) Submittal, dated Dec. 18, 1997, W. R. McCollum Jr. to NRC.
7) 7/9/12 correspondence to NRC from Ben C. Waldrep, "Response to NRC Request for Information Pursuant to 10 CFR 50.54(f) Regarding the Seismic Aspects of Recommendation 2.3 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident"

ATTACHMENTS:

1) Oconee Unit 2 SWEL-1 Base-1 List
2) Oconee Unit 2 SWEL-1
3) Oconee Unit 2 SWEL-2 Base-2 List and Rapid Drain Down List
4) Oconee Unit 2 SWEL-2
5) Seismic Walkdown Summary Report and Checklists
6) PEER Review Summary Report

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	CCW	CD	0001	SSF HVAC CONDENSER 1	SSF	817	B,C
0	CCW	CD	0002	SSF HVAC CONDENSER 2	SSF	817	B,C
0	CCW	PU	0001	AUX SERVICE WATER PUMP	AB	771	D
0	CCW	PU	0002	SSF AUX SERVICE WATER PUMP	SSF	754	D
0	CCW	PU	0003	HVAC SERVICE WTR PUMP 1	SSF	754	B,C
0	CCW	PU	0004	HVAC SERVICE WTR PUMP 2	SSF	754	B,C
0	CCW	PU	0005	SSF DIESEL WATER JACKET PUMP	SSF	754	B,C
0	CCW	PU	0010	SSF SUBMERSIBLE PUMP	SSF	796	B,C
0	DA	TK	000A	DIESEL STARTING AIR TANK A	SSF	777	B,C
0	DA	TK	000B	DIESEL STARTING AIR TANK B	SSF	777	B,C
0	DA	TK	000C	DIESEL STARTING AIR TANK C	SSF	777	B,C
0	DA	TK	000D	DIESEL STARTING AIR TANK D	SSF	777	B,C
0	DJW	HX	000A	SSF DJW HEAT EXCHANGER A	SSF	777	B,C
0	DJW	HX	000B	SSF DJW HEAT EXCHANGER B	SSF	777	B,C
0	EL	BS	4160CT4	4160V STANDBY BUS FDR FROM XFMR CT4 TO B1T & B2T	TB	796	A, B, C, D, E
0	EL	BS	CCTRENCH	CONTROL CABLE TRENCH (SWYD TO OCONEE)	SYD	770	A, B, C, D, E
0	EL	BS	UFCT4	UNDERGROUND FEEDER (KEOWEE TO CT4)	SYD	770	A, B, C, D, E
0	EL	CA	SYTC1	SWYD TERMINAL CABINET 01	SYD	770	A, B, C, D, E
0	EL	CA	SYTC12	SWYD TERMINAL CABINET 12	SYD	770	A, B, C, D, E
0	EL	CA	SYTC15	SWYD TERMINAL CABINET 15	SYD	770	A, B, C, D, E
0	EL	CA	SYTC17	SWYD TERMINAL CABINET 17	SYD	770	A, B, C, D, E
0	EL	CA	SYTC18	SWYD TERMINAL CABINET 18	SYD	770	A, B, C, D, E
0	EL	CA	SYTC19	SWYD TERMINAL CABINET 19	SYD	770	A, B, C, D, E
0	EL	CA	SYTC2	SWYD TERMINAL CABINET 02	SYD	770	A, B, C, D, E
0	EL	CA	SYTC3	SWYD TERMINAL CABINET 03	SYD	770	A, B, C, D, E
0	EL	CA	SYTC4	SWYD TERMINAL CABINET 04	SYD	770	A, B, C, D, E
0	EL	CA	SYTC5	SWYD TERMINAL CABINET 05	SYD	770	A, B, C, D, E
0	EL	CA	SYTC8	SWYD TERMINAL CABINET 08	SYD	770	A, B, C, D, E
0	EL	PL	CT4FSC	CT4 FAN SPEED CABINET	TB	796	A, B, C, D, E
0	EL	PL	DCSF	125 VDC POWER PNL BRD DCSF	SSF	777	A, B, C, D, E
0	EL	PL	DCSF1	125 VDC DISTRIBUTION CENTER DCSF-1	SSF	777	A, B, C, D, E
0	EL	PL	KSF	208/120VAC SSF VITAL PWR PNL (GRAY)	SSF	777	A, B, C, D, E
0	EL	PL	KSFC	120V PPB KSFC	SSF	777	A, B, C, D, E
0	EL	SH	ASWS	AUX SERV WATER SWGR (4160V) (1TD-0)	AB	771	A, B, C, D, E
0	EL	SH	B1T05	SK1 CT4 TO STDBY BUS 1 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B1T09	SL1 CT5 STDBY BUS 1 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B1T10	AUX SERVICE WATER SWGR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B2T05	SL2 CT5 STDBY BUS 2 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B2T09	SK2 CT4 STDBY BUS 2 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	DGSWGR	DIESEL GENERATOR SWITCHGEAR	SSF	777	A, B, C, D, E
0	EL	TF	OCT4	XFMR CT-4	BH3	796	A, B, C, D, E
0	EL	TF	OCT5	XFMR CT-5	YD	796	A, B, C, D, E
0	FO	PU	0005	SSF DIESEL ENGINE FUEL OIL TRANSFER PUMP	SSF	777	B,C
0	FO	TK	0003	SSF DIESEL OIL DAY TANK	SSF	777	B,C

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	FO	TK	0004	SSF DIESEL OIL STORAGE TANK	YD	785	B,C
0	HPS	PG	0012	JOCKEY PUMP DISCH. PRESS. GAGE	TB	775	B,C
0	HPS	PG	0013	HPSW PUMP B DISCH. PRESS. GAGE	TB	775	B,C
0	HPS	PG	0016	HPSW PUMP A DISCH. PRESS. GAGE	TB	775	B,C
0	HPS	PG	0224	HPSW PUMP A STRAINER DP GAGE	TB	775	B,C
0	HPS	PG	0225	HPSW PUMP B STRAINER DP GAGE	TB	775	B,C
0	HPS	PG	0226	JOCKEY PUMP STRAINER DP GAGE	TB	775	B,C
0	HPS	PU	0001	HPSW STANDBY PUMP A	TB	775	B,C
0	HPS	PU	0002	HPSW STANDBY PUMP B	TB	775	B,C
0	HPS	PU	0003	HPSW JOCKEY PUMP	TB	775	B,C
0	HPS	VA	0140	Seal Supply Reg. Valve	TB	775	B
0	HPS	VA	0147	Seal Supply Reg. Valve	TB	775	B
0	HPS	VA	0154	Seal Supply Reg. Valve	TB	775	B
0	LPS	FL	000A	LPSW PUMP A STRAINER	TB	775	D
0	LPS	FL	000B	LPSW PUMP B STRAINER	TB	775	D
0	LPS	FL	000C	LPSW PUMP C STRAINER	TB	775	D
0	LPS	PS	0097	A LPSW HDR PRESS #1	TB	775	D
0	LPS	PS	0098	A LPSW HDR PRESS #2	TB	775	D
0	LPS	PU	000A	LPSW PUMP A	TB	775	D
0	LPS	PU	000B	LPSW PUMP B	TB	775	D
0	LPS	PU	000C	LPSW PUMP C	TB	775	D
0	LPS	VA	0175	LPSW PUMP A SEAL FLOW REG	TB	775	D
0	LPS	VA	0182	LPSW PUMP B SEAL FLOW REG	TB	775	D
0	LPS	VA	0189	LPSW PUMP C SEAL FLOW REG	TB	775	D
0	NI	CA	0225	SSF NUCLEAR INSTRUMENTATION RACK	SSF	777	A, B, C, D, E
0	RCW	HX	000A	A RCW HEAT EXCHANGER	TB	775	D
0	RCW	HX	000B	B RCW HEAT EXCHANGER	TB	775	D
0	RCW	HX	000C	C RCW HEAT EXCHANGER	TB	775	D
0	RCW	HX	000D	D RCW HEAT EXCHANGER	TB	775	D
0	SSF	BA	DCSF	DCSF SSF NORMAL BATTERY	SSF	777	A, B, C, D, E
0	SSF	BA	DCSFS	DCSFS SSF STANDBY BATTERY	SSF	777	A, B, C, D, E
0	SSF	CA	0002	PZR HEATER CAB (SSF)SSF PRESSURIZER HEATER CABINET (PHC)	SSF	777	A, B, C, E
0	SSF	CA	0003	SSF PRESSURIZER HEATER CABINET (PHC1)	SSF	777	A, B, C, E
0	SSF	CA	IC1	SSF EOC SYS INTERCONN CAB IC1	SSF	797	A, B, C, D, E
0	SSF	CA	IC2	SSF EOC SYS INTERCONN CAB IC2	SSF	797	A, B, C, D, E
0	SSF	CA	MEC	MISC EQUIP CAB	SSF	797	A, B, C, D, E
0	SSF	DE	000A	SSF DIESEL ENGINE B (16 CYL)	SSF	777	A, B, C, D, E
0	SSF	MX	XSF	MCC XSF(600V)	SSF	777	A, B, C, D, E
0	SSF	PL	SSFCP	SSF CONTROL PANEL	SSF	797	A, B, C, D, E
0	SSF	SH	OTS1	OTS1 SSF ESSENTIAL SWGR 4160V	SSF	777	A, B, C, D, E
0	SYD	BA	SY1	230KV SWYD BATTERY #SY1	SYD	770	A, B, C, D, E
0	SYD	BA	SY2	230KV SWYD BATTERY #SY2	SYD	770	A, B, C, D, E
0	SYD	BC	SY1	230KV SWYD BATTERY CHARGER SY1	SYD	770	A, B, C, D, E
0	SYD	BC	SY2	230KV SWYD BATTERY CHARGER SY2	SYD	770	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	SYD	BD	RB02	SWITCHYARD RELAY BOARD RB02	SYD	770	A, B, C, D, E
0	SYD	BD	RB03	SWITCHYARD RELAY BOARD RB03	SYD	770	A, B, C, D, E
0	SYD	BD	RB06	SWITCHYARD RELAY BOARD RB06	SYD	770	A, B, C, D, E
0	SYD	BD	RB07	SWITCHYARD RELAY BOARD RB07	SYD	770	A, B, C, D, E
0	SYD	BD	RB08	SWITCHYARD RELAY BOARD RB08	SYD	770	A, B, C, D, E
0	SYD	BD	RB10	SWITCHYARD RELAY BOARD RB10	SYD	770	A, B, C, D, E
0	SYD	BD	RB17	SWITCHYARD RELAY BOARD RB17	SYD	770	A, B, C, D, E
0	SYD	BD	RF02	SWITCHYARD RELAY BOARD RF02	SYD	770	A, B, C, D, E
0	SYD	BD	RF03	SWITCHYARD RELAY BOARD RF03	SYD	770	A, B, C, D, E
0	SYD	BD	RF06	SWITCHYARD RELAY BOARD RF06	SYD	770	A, B, C, D, E
0	SYD	BD	RF17	SWITCHYARD RELAY BOARD RF17	SYD	770	A, B, C, D, E
0	SYD	BD	SRB06	SWITCHYARD RELAY BOARD SRB06	SYD	770	A, B, C, D, E
0	SYD	BD	SRB09	SWITCHYARD RELAY BOARD SRB09	SYD	770	A, B, C, D, E
0	SYD	BD	SRB14	SWITCHYARD RELAY BOARD SRB14	SYD	770	A, B, C, D, E
0	SYD	BD	SRB15	SWITCHYARD RELAY BOARD SRB15	SYD	770	A, B, C, D, E
0	SYD	BD	SRB17	SWITCHYARD RELAY BOARD SRB17	SYD	770	A, B, C, D, E
0	SYD	BD	SRF06	SWITCHYARD RELAY BOARD SRF06	SYD	770	A, B, C, D, E
0	SYD	BD	SRF07	SWITCHYARD RELAY BOARD SRF07	SYD	770	A, B, C, D, E
0	SYD	BD	SRF08	SWITCHYARD RELAY BOARD SRF08	SYD	770	A, B, C, D, E
0	SYD	BD	SRF09	SWITCHYARD RELAY BOARD SRF09	SYD	770	A, B, C, D, E
0	SYD	BD	SRF10	SWITCHYARD RELAY BOARD SRF10	SYD	770	A, B, C, D, E
0	SYD	BD	SRF17	SWITCHYARD RELAY BOARD SRF17	SYD	770	A, B, C, D, E
0	SYD	BK	PCB08	230KV AC POWER CIRCUIT BREAKER 08 (PCB-08)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB09	230KV AC POWER CIRCUIT BREAKER 09 (PCB-09)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB12	230KV AC POWER CIRCUIT BREAKER 12 (PCB-12)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB15	230KV AC POWER CIRCUIT BREAKER 15 (PCB-15)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB33	230KV AC POWER CIRCUIT BREAKER 33 (PCB-33)	SYD	770	A, B, C, D, E
0	SYD	BS	230KRED	230KV SWITCHYARD RED BUS	SYD	770	A, B, C, D, E
0	SYD	BS	230KYEL	230KV SWITCHYARD YELLOW BUS	SYD	770	A, B, C, D, E
0	SYD	BS	TRENCH	MISC SWYD TRENCHES	SYD	770	A, B, C, D, E
0	SYD	PL	DYA	DC PANELBOARD A	SYD	770	A, B, C, D, E
0	SYD	PL	DYB	DC PANELBOARD B	SYD	770	A, B, C, D, E
0	SYD	PL	DYC	DC PANELBOARD C	SYD	770	A, B, C, D, E
0	SYD	PL	DYE	DC PANELBOARD E	SYD	770	A, B, C, D, E
0	SYD	PL	DYF	DC PANELBOARD F	SYD	770	A, B, C, D, E
0	SYD	PL	DYG	DC PANELBOARD G	SYD	770	A, B, C, D, E
0	SYD	PL	SYDC1	SWITCHYARD DISTRIBUTION CENTER 1	SYD	770	A, B, C, D, E
0	SYD	PL	SYDC2	SWITCHYARD DISTRIBUTION CENTER 2	SYD	770	A, B, C, D, E
0	SYD	TF	RBPT	RED BUS POTENTIAL TRANSFORMER (EGPS)	SYD	770	A, B, C, D, E
0	SYD	TF	YBPT	YELLOW BUS POTENTIAL TRANSFORMER (EGPS)	SYD	770	A, B, C, D, E
0	VS	AH	0042	AHU 0-42 HEATING AND A/C SSF BUILDING	SSF	817	B,C
0	VS	AH	0044EX1	SSF CONST VENT SUPPLY FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX2	SSF SUMMER VENT SUPPLY FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX3	SSF ON LINE VENT SUPPLY FAN & MOTOR	SSF	817	B,C

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	VS	AH	0044EX4	SSF ENGINE EX FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX5	SSF SUMMER EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX6	SSF ON LINE EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX7	SSF CONSTANT EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	DA	CD01	SSF CONSTANT VENTILATION (VS-AH-0044EX1) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	DA	CD02	SSF SUMMER VENTILATION (VS-AH-044EX2) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	DA	CD03	SSF ON-LINE VENTILATION (VS-AH-0044EX3) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	DA	ID01	SSF INLET DAMPER ID-1 (AH EXHAUST FAN AH0044EX4)	SSF	817	B,C
0	VS	DA	ID01E	ACTUATOR FOR INTAKE DAMPER SSF-ID-A & B	SSF	817	B,C
0	VS	DA	ID01W	ACTUATOR FOR INTAKE DAMPER SSF-ID-C & D	SSF	817	B,C
0	VS	DA	ID02	INLET DAMPER ID-2 (SSF AH EXH FAN AH0044EX3)	SSF	817	B,C
0	VS	DA	ID02A	ACTUATOR FOR INLET DAMPER SSF-ID2 (EXH FAN AH0044EX3)	SSF	817	B,C
0	VS	DA	ID03	SSF INLET DAMPER ID-3 (AH EXHAUST FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	ID03A	ACTUATOR FOR INLET DAMPER SSF-ID3 (EXH FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	ID04	SSF INLET DAMPER ID-4 (AH EXHAUST FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	ID04A	ACTUATOR FOR INLET DAMPER SSF-ID4 (EXH FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	XD01	SSF EXH DAMPER XD-1 (AH EXH. FAN AH0044EX4)	SSF	817	B,C
0	VS	DA	XD01E	ACTUATOR FOR EXH DAMPER SSF-XD-A&B	SSF	817	B,C
0	VS	DA	XD01W	ACTUATOR FOR EXH DAMPER SSF-XD-C&D	SSF	817	B,C
0	VS	DA	XD02	SSF PRESS OPER EXH DAMPER XD-2 (AH EXH FAN AH0044EX7)	SSF	817	B,C
0	VS	DA	XD03	SSF EXH DAMPER XD-3 (AH EXH FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	XD03A	ACTUATOR FOR EXH DAMPER SSF-XD3 (EXH FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	XD04	SSF PRESS OPER EXH DAMPER XD-4 (AH EXH. FAN AH0044EX5)	SSF	817	B,C
0	VS	DA	XD05	SSF EXH DAMPER XD-5 (AH EXH. FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	XD05A	ACTUATOR FOR EXH DAMPER SSF-XD5 (EXH FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	XD06	SSF PRESS OPER EXH DAMPER XD-6 (AH EXH. FAN AH0044EX6)	SSF	817	B,C
0	VS	PE	SSFPE01	SSF SUMMER VENT. SYSTEM (VH) EXHAUST FAN (SSF-XF-3)	SSF	825	A, B, C, D, E
0	VS	PE	SSFPE02	SSF A/C SYSTEM AIR HANDLING UNIT	SSF	TBD	A, B, C, D, E
0	VS	PL	CP01AH2	SSF CONTROL BOARD FOR THE HVAC SYSTEM	SSF	817	A, B, C, D, E
0	VS	PS	SSFPS01	SSF CONSTANT VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS02	SSF SUMMER VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS03	SSF ON-LINE VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS04	SSF CONSTANT VENTILATION SYSTEM EXHAUST FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS05	SSF SUMMER VENTILATION SYSTEM EXHAUST FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS06	SSF ON-LINE VENTILATION SYSTEM EXHAUST FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS07	SSF ENGINE VENTILATION SYSTEM EXHAUST FAN	SSF	782	A, B, C, D, E
0	VS	PS	SSFPS08	SSF A/C SYSTEM AIR FLOW PRESS SWITCH	SSF	TBD	A, B, C, D, E
0	VS	TT	SSFCT1	HVAC TEMPERATURE CONTROLLER (FOR SSF-AH-1)	SSF	822	A, B, C, D, E
0	VS	TT	SSFCT2	HVAC TEMPERATURE CONTROLLER (FOR SSF-CP-1)	SSF	822	A, B, C, D, E
2	AS	PT	0117P	AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	TB	796	D
2	BAG	BD	2AB1	CONTROL BOARD 2AB1	AB	822	A, B, C, D, E
2	BAG	BD	2AB2	CONTROL BOARD 2AB2	AB	822	A, B, C, D, E
2	BAG	BD	2AB3	CONTROL BOARD 2AB3	AB	822	A, B, C, D, E
2	BAG	BD	2UB1	CONTROL BOARD 2UB1	AB	822	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	BAG	BD	2UB2	CONTROL BOARD 2UB2	AB	822	A, B, C, D, E
2	BAG	BD	2VB1	CONTROL BOARD 2VB1	AB	822	A, B, C, D, E
2	BAG	BD	2VB2	CONTROL BOARD 2VB2	AB	822	A, B, C, D, E
2	BAG	BD	2VB3	CONTROL BOARD 2VB3	AB	822	A, B, C, D, E
2	BS	PS	0018	RB PRESS HI (ES CH 7) TRAIN A	AB	809	E
2	BS	PS	0019	RB PRESS HI (ES CH 8) TRAIN B	AB	809	E
2	BS	PS	0020	RB PRESS HI (ES CH 7) TRAIN A	AB	809	E
2	BS	PS	0021	RB PRESS HI (ES CH 8) TRAIN B	AB	809	E
2	BS	PS	0022	RB PRESS HI (ES CH 7) TRAIN A	AB	809	E
2	BS	PS	0023	RB PRESS HI (ES CH 8) TRAIN B	AB	809	E
2	BS	PT	0004P	RB PRESS XMTR (ES CH 2A)	AB	809	E
2	BS	PT	0005P	RB PRESS XMTR (ES CH 2B)	AB	809	E
2	BS	PT	0006P	RB PRESS XMTR (ES CH 2C)	AB	809	E
2	BS	PU	0001	RBS PUMP 2A	AB	758	E
2	BS	PU	0002	RBS PUMP 2B	AB	758	E
2	BS	VA	0001	RB SPRAY HEADER 2A ISOLATION	AB	809	E
2	BS	VA	0002	RB SPRAY HEADER 2B ISOLATION	AB	809	E
2	BS	VA	0003	RBS PUMP SUCTION ISOL	AB	758	E
2	BS	VA	0004	RBS PUMP SUCTION ISOL	AB	758	E
2	C	CD	000A	CONDENSER 2A	TB	775	D
2	C	CD	000B	CONDENSER 2B	TB	775	D
2	C	CD	000C	CONDENSER 2C	TB	775	D
2	C	DM	000A	POLISHING DEMINERALIZER 2A	TB	775	D
2	C	DM	000B	POLISHING DEMINERALIZER 2B	TB	775	D
2	C	DM	000C	POLISHING DEMINERALIZER 2C	TB	775	D
2	C	DM	000D	POLISHING DEMINERALIZER 2D	TB	775	D
2	C	DM	000E	POLISHING DEMINERALIZER 2E	TB	775	D
2	C	HX	002A	CONDENSATE COOLER 2A	TB	775	D
2	C	HX	002B	CONDENSATE COOLER 2B	TB	775	D
2	C	LT	0015A	UST 2B LEVEL	TB	838	D
2	C	LT	0036	UST 2A LEVEL	TB	838	D
2	C	PS	0015	UST MAKEUP LEVEL CONTROL (PS-15)	TB	838	D
2	C	PS	0036	UST MAKEUP LEVEL CONTROL (PS-36)	TB	838	D
2	C	PS	0227	CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW	TB	775	D
2	C	PU	0010	HOTWELL PUMP 2A	TB	775	D
2	C	PU	0011	HOTWELL PUMP 2B	TB	775	D
2	C	PU	0012	HOTWELL PUMP 2C	TB	775	D
2	C	PU	0019	HOLDING PUMP 2A	TB	775	D
2	C	PU	0020	HOLDING PUMP 2B	TB	775	D
2	C	PU	0021	HOLDING PUMP 2C	TB	775	D
2	C	PU	0022	HOLDING PUMP 2D	TB	775	D
2	C	PU	0023	HOLDING PUMP 2E	TB	775	D
2	C	SV	1920	SOLENOID VLV TO HOTWELL NORMAL MAKEUP CONTROL - VALVE 2C-	TB	775	D
2	C	TK	0003	SLURRY TANK	TB	775	D

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	C	TK	000A	UPPER SURGE TANK 2A	TB	838	D
2	C	TK	000B	UPPER SURGE TANK 2B	TB	838	D
2	C	TK	000C	UPPER SURGE TANK DOME	TB	838	D
2	C	VA	0192	HOTWELL NORMAL MAKEUP CONTROL	TB	775	D
2	C	VA	0391	HOTWELL SUPPLY ISOL TO TDEFW	TB	775	D
2	CC	HX	000A	COMPONENT COOLER 2A	AB	783	A
2	CCW	FT	0225	SSF ASW FLOW	AB	796	D
2	CCW	PL	0268	REMOTE STARTER ENCLOSURE FOR 2CCW-268	SSF	754	D
2	CCW	PL	0287	REMOTE STARTER ENCLOSURE FOR 2CCW-287	SSF	758	D
2	CCW	PU	0001	CCW PUMP 2A	INT	810	D,A
2	CCW	PU	0002	CCW PUMP 2B	INT	810	D,A
2	CCW	PU	0003	CCW PUMP 2C	INT	810	D,A
2	CCW	PU	0004	CCW PUMP 2D	INT	810	D,A
2	CCW	PU	0024	EFWPT OIL COOLER PUMP	TB	775	C
2	CCW	VA	0268	SSF ASW PUMP DISCH ISOL	SSF	754	D
2	CCW	VA	0269	CROSSOVER ISOLATION TO A	RB	777	D
2	CCW	VA	0287	SSF ISOL VALVE	SSF	754	D
2	CF	TK	000A	CORE FLOOD TANK 2A	RB	797	B, D
2	CF	TK	000B	CORE FLOOD TANK 2B	RB	817	B, D
2	CRD	CA	0001	CRD AC REACTOR TRIP BKR CABINET	AB	809	A
2	CRD	CA	CC1	DCRDCS CONTROL CABINET CC-1	AB	809	A
2	CRD	CA	CC2	DCRDCS CONTROL CABINET CC-2	AB	809	A
2	CRD	CA	CC3	DCRDCS CONTROL CABINET CC-3	AB	809	A
2	CRD	CA	CC4	DCRDCS CONTROL CABINET CC-4	AB	809	A
2	CRD	CA	CC5	DCRDCS CONTROL CABINET CC-5	AB	809	A
2	CRD	CA	CC6	DCRDCS CONTROL CABINET CC-6	AB	809	A
2	CRD	CA	SRPSCC1	DCRDCS CONTROL CABINET SRPS CC1	AB	809	A
2	CRD	CA	SRPSCC2	DCRDCS CONTROL CABINET SRPS CC2	AB	809	A
2	CS	VA	0005	QUENCH TANK DRAIN	RB	777	A, B, C
2	CS	VA	0006	QUENCH TANK DRAIN	AB	758	A, B, C
2	EHC	CA	EHC1	EHC CAB 2EHC1	AB	809	D
2	EHC	CA	EHC2	EHC CAB 2EHC2	AB	809	D
2	EHC	CA	EHC3	EHC CAB 2EHC3	AB	809	D
2	EHC	CA	EHTC1	EHC TERM CAB 2EHTC1	AB	809	D
2	EHC	CA	EHTC2	EHC TERM CAB 2EHTC2	AB	809	D
2	EHC	SV	1083	MASTER TRIP SOLENOID VALVE A	TB	809	D
2	EHC	SV	1084	MASTER TRIP SOLENOID VALVE B	TB	809	D
2	EL	BA	2CA	CONTROL BATT 2CA	AB	809	A, B, C, D, E
2	EL	BA	2CB	CONTROL BATT 2CB	AB	809	A, B, C, D, E
2	EL	BA	2PA	PWR BATT 2PA	TB	796	A, B, C, D, E
2	EL	BA	2PB	PWR BATT 2PB	TB	796	A, B, C, D, E
2	EL	BC	2CA	CONTROL BATT CHGR 2CA	AB	796	A, B, C, D, E
2	EL	BC	2CB	CONTROL BATT CHGR 2CB	AB	796	A, B, C, D, E
2	EL	BC	2PA	PWR BATT CHGR 2PA	TB	796	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	EL	BC	2PB	PWR BATT CHGR 2PB	TB	796	A, B, C, D, E
2	EL	BI	2DIA	120V STATIC INV 2DIA	AB	796	A, B, C, D, E
2	EL	BI	2DIB	120V STATIC INV 2DIB	AB	796	A, B, C, D, E
2	EL	BI	2DIC	120V STATIC INV 2DIC	AB	796	A, B, C, D, E
2	EL	BI	2DID	120V STATIC INV 2DID	AB	796	A, B, C, D, E
2	EL	BI	2KI	STATIC INVERTER 2KI (INCLUDES STATIC XFER SWITCH)	AB	796	A, B, C, D, E
2	EL	BI	2KU	STATIC INVERTER 2KU (INCLUDES STATIC XFER SWITCH)	AB	796	A, B, C, D, E
2	EL	BI	2KX	STATIC INVERTER 2KX (INCLUDES STATIC XFER SWITCH)	AB	796	A, B, C, D, E
2	EL	BK	2A	240/120V 2A REGULATOR OUTPUT BKR	AB	796	A, B, C, D, E
2	EL	BK	2B	240/120V 2B REGULATOR OUTPUT BKR	AB	796	A, B, C, D, E
2	EL	BS	230CT2	CT2 OVERHEAD FEEDER (SWYD PCB 27 TO CT2)	SYD	770	A, B, C, D, E
2	EL	BS	4160CT2	4160V STARTUP BUS FROM TRANSFORMER CT2	TB	796	A, B, C, D, E
2	EL	BS	4160MFB1	4160V MAIN FEEDER BUS 1, B12, (B1T TO 2TC,2TD,2TE)	TB	796	A, B, C, D, E
2	EL	BS	4160MFB2	4160V MAIN FEEDER BUS 2, B22, (B1T TO 2TC,2TD,2TE)	TB	796	A, B, C, D, E
2	EL	CA	2AT3	AREA TERM CAB 2AT3	AB	809	A, B, C, D, E
2	EL	CA	2AT4	AUXILIARY BENCHBOARD 2AB1 TERMINAL CABINET 2AT4	AB	809	A, B, C, D, E
2	EL	CA	2AT8	AREA TERM CAB 2AT8	AB	809	A, B, C, D, E
2	EL	CA	2AXTC2	AUX TERMINAL CABINET 2AXTC2	TB	796	A, B, C, D, E
2	EL	CA	2EB1	ELECTRICAL BOARD 2EB1	AB	822	A, B, C, D, E
2	EL	CA	2EB2	ELECTRICAL BOARD 2EB2	AB	822	A, B, C, D, E
2	EL	CA	2EB3	ELECTRICAL BOARD 2EB3	AB	822	A, B, C, D, E
2	EL	CA	2EB4	ELECTRICAL BOARD 2EB4	AB	822	A, B, C, D, E
2	EL	CA	2EB5	ELECTRICAL BOARD 2EB5	AB	822	A, B, C, D, E
2	EL	CA	2EB6	ELECTRICAL BOARD 2EB6	AB	822	A, B, C, D, E
2	EL	CA	2EB7	ELECTRICAL BOARD 2EB7	AB	822	A, B, C, D, E
2	EL	CA	2EB8	ELECTRICAL BOARD 2EB8	AB	822	A, B, C, D, E
2	EL	CA	2EF1	ELECTRICAL BOARD 2EF1	AB	822	A, B, C, D, E
2	EL	CA	2EF2	ELECTRICAL BOARD 2EF2	AB	822	A, B, C, D, E
2	EL	CA	2EF3	ELECTRICAL BOARD 2EF3	AB	822	A, B, C, D, E
2	EL	CA	2EF4	ELECTRICAL BOARD 2EF4	AB	822	A, B, C, D, E
2	EL	CA	2EF5	ELECTRICAL BOARD 2EF5	AB	822	A, B, C, D, E
2	EL	CA	2EF6	ELECTRICAL BOARD 2EF6	AB	822	A, B, C, D, E
2	EL	CA	2EF7	ELECTRICAL BOARD 2EF7	AB	822	A, B, C, D, E
2	EL	CA	2EF8	ELECTRICAL BOARD 2EF8	AB	822	A, B, C, D, E
2	EL	CA	2MTC1	MISC TERM CAB 2MTC1	AB	809	A, B, C, D, E
2	EL	CA	2MTC2	MISC TERM CAB 2MTC2	AB	809	A, B, C, D, E
2	EL	CA	2MTC3	MISC TERM CAB 2MTC3	AB	809	A, B, C, D, E
2	EL	CA	2MTC4	MISC TERM CAB 2MTC4	AB	809	A, B, C, D, E
2	EL	CA	2TTC4	TURB TERM CAB 2TTC4	TB	796	A, B, C, D, E
2	EL	CA	SGLC2	STEAM GEN LOGIC CABINET	AB	809	A, B, C, D, E
2	EL	DI	2ADA	ISOL DIODE ASSEMBLY 2ADA	AB	796	A, B, C, D, E
2	EL	DI	2ADB	ISOL DIODE ASSEMBLY 2ADB	AB	796	A, B, C, D, E
2	EL	DI	2ADC	ISOL DIODE ASSEMBLY 2ADC	AB	796	A, B, C, D, E
2	EL	DI	2ADD	ISOL DIODE ASSEMBLY 2ADD	AB	796	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	EL	DI	2ADE	ISOL DIODE ASSEMBLY 2ADE	AB	796	A, B, C, D, E
2	EL	DI	2ADF	ISOL DIODE ASSEMBLY 2ADF	AB	796	A, B, C, D, E
2	EL	DI	2ADG	ISOL DIODE ASSEMBLY 2ADG	AB	796	A, B, C, D, E
2	EL	IR	MC1	INSTRUMENT RACK 2MC-1	TB	775	D
2	EL	IR	MC12	INSTRUMENT RACK 2MC-12	TB	796	D
2	EL	IR	MC16	INSTRUMENT RACK 2MC-16	TB	796	D
2	EL	IR	MC2	INSTRUMENT RACK 2MC-2	TB	775	D
2	EL	IR	PIR	UNIT 2 PNEUMATIC INSTR RACK	AB	809	B
2	EL	LX	2X1	600V LC 2X01	TB	796	A, B, C, D, E
2	EL	LX	2X10	600V LC 2X10	TB	796	A, B, C, D, E
2	EL	LX	2X2	600V LC 2X02	TB	796	A, B, C, D, E
2	EL	LX	2X3	600V LC 2X03	TB	796	A, B, C, D, E
2	EL	LX	2X4	600V LC 2X04	TB	796	A, B, C, D, E
2	EL	LX	2X5	600V LC 2X05	TB	796	A, B, C, D, E
2	EL	LX	2X6	600V LC 2X06	TB	796	A, B, C, D, E
2	EL	LX	2X8	600V LC 2X08	AB	796	A, B, C, D, E
2	EL	LX	2X9	600V LC 2X09	AB	796	A, B, C, D, E
2	EL	MX	2XA	MCC 2XA	TB	796	D
2	EL	MX	2XAA	208V MCC 2XA-A	TB	796	D
2	EL	MX	2XB	600V MCC 2XB	TB	775	D
2	EL	MX	2XC	MCC 2XC	TB	775	D
2	EL	MX	2XGA	MCC 2XGA	TB	796	D
2	EL	MX	2XGB	MCC 2XGB	TB	796	D
2	EL	MX	2XI	600V MCC 2XI	AB	809	D
2	EL	MX	2XJ	600V MCC 2XJ	AB	809	D
2	EL	MX	2XL	MCC 2XL	AB	771	A, B, C
2	EL	MX	2XN	MCC 2XN	AB	771	A, B, C
2	EL	MX	2XO	MCC 2XO	AB	796	A, B, C, D, E
2	EL	MX	2XP	MCC 2XP	AB	796	A, B, C, D, E
2	EL	MX	2XR	600V MCC 2XR	AB	838	A
2	EL	MX	2XS1	MCC 2XS1	AB	796	A, B, C, D, E
2	EL	MX	2XS2	MCC 2XS2	AB	796	A, B, C, D, E
2	EL	MX	2XS3	MCC 2XS3	AB	796	A, B, C, D, E
2	EL	MX	2XSF	MCC 2XSF(600V)	SSF	817	A, B, C, D, E
2	EL	MX	2XSF1	MCC 2XSF-1 (208V)	SSF	797	A, B, C, D, E
2	EL	MX	2XSFA	MCC 2XSF(208V)	SSF	817	A, B, C, D, E
2	EL	PL	2CPS	2 POWDEX PANEL	TB	775	D
2	EL	PL	2DCA	125V DC 2DCA	AB	796	A, B, C, D, E
2	EL	PL	2DCB	125V DC 2DCB	AB	796	A, B, C, D, E
2	EL	PL	2DIA	125V DC PPB 2DIA	AB	809	A, B, C, D, E
2	EL	PL	2DIB	125V DC PPB 2DIB	AB	809	A, B, C, D, E
2	EL	PL	2DIC	125V DC PPB 2DIC	AB	809	A, B, C, D, E
2	EL	PL	2DID	125V DC PPB 2DID	AB	809	A, B, C, D, E
2	EL	PL	2DL2	250V DC PPB 2DL2	AB	796	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	EL	PL	2DP	125/250V DC 2DP	TB	796	A, B, C, D, E
2	EL	PL	2EPSLP1	EPSL PANEL 2EPSLP1	AB	809	A, B, C, D, E
2	EL	PL	2EPSLP2	EPSL PANEL 2EPSLP2	AB	809	A, B, C, D, E
2	EL	PL	2KA	120V PPB 2KA	TB	775	A, B, C, D, E
2	EL	PL	2KB	120V PPB 2KB	TB	796	A, B, C, D, E
2	EL	PL	2KC	120V PPB 2KC	AB	796	A, B, C, D, E
2	EL	PL	2KD	120V PPB 2KD	AB	809	A, B, C, D, E
2	EL	PL	2KESP	KEOWEE EM START PANEL	AB	809	A, B, C, D, E
2	EL	PL	2KI	120V PPB 2KI	AB	809	A, B, C, D, E
2	EL	PL	2KM	120V PPB 2KM	AB	809	A, B, C, D, E
2	EL	PL	2KRA	120V PPB 2KRA	AB	809	A, B, C, D, E
2	EL	PL	2KRB	120V PPB 2KRB	AB	809	A, B, C, D, E
2	EL	PL	2KU	120V PPB 2KU	AB	809	A, B, C, D, E
2	EL	PL	2KVIA	120V PPB 2KVIA	AB	809	A, B, C, D, E
2	EL	PL	2KVIB	120V PPB 2KVIB	AB	809	A, B, C, D, E
2	EL	PL	2KVIC	120V PPB 2KVIC	AB	809	A, B, C, D, E
2	EL	PL	2KVID	120V PPB 2KVID	AB	809	A, B, C, D, E
2	EL	PL	2KX	120V PPB 2KX	AB	809	A, B, C, D, E
2	EL	PL	2L21	125V DC PPB 2L21	AB	822	A, B, C, D, E
2	EL	PL	2SGFP	SG FWP PANEL	TB	775	A, B, C, D, E
2	EL	PL	2SKJ	120V PPB 2SKJ	AB	809	A, B, C, D, E
2	EL	PL	2SKK	120V PPB 2SKK	AB	809	A, B, C, D, E
2	EL	PL	2SKL	120V PPB 2SKL	AB	809	A, B, C, D, E
2	EL	PL	2SKM	240/120V PPB 2SKM	ESV	797	A, B, C, D, E
2	EL	PL	2SKN	240/120V PPB 2SKN	ESV	797	A, B, C, D, E
2	EL	PL	2SKP	240/120V PPB 2SKP	ESV	797	A, B, C, D, E
2	EL	PL	2TCPA	TURB CONT PANEL 2TCPA	TB	796	A, B, C, D, E
2	EL	PL	2TDC31	TRANSDUCER CAB 2TDC3	AB	809	A, B, C, D, E
2	EL	PL	HBP	UNIT 2 HEATER BLANKETING PANEL	TB	822	D
2	EL	PL	MFBMRP	MAIN FDR BUS MONITOR RLY PANEL	AB	809	A, B, C, D, E
2	EL	PL	PZR2B	600V PPB 2B (FOR PRESSURIZER HEATERS GROUP 2B BANK 2)	RB	817	A, B, C, D, E
2	EL	SH	2TC01	2TC BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
2	EL	SH	2TC14	2TC BUS 2 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
2	EL	SH	2TD01	2TD BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
2	EL	SH	2TD14	2TD BUS 2 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
2	EL	SH	2TE01	2TE BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
2	EL	SH	2TE14	2TE BUS 2 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
2	EL	SH	B1T08	S12 STDBY BUS 1 TO MFB1 BKR SECTION	BH1	796	A, B, C, D, E
2	EL	SH	B1T11	N12 MFB1 NORMAL FDR BKR SECTION	BH1	796	A, B, C, D, E
2	EL	SH	B1T12	BIT INSTRUMENTATION SECTION	BH1	796	A, B, C, D, E
2	EL	SH	B1T13	E12 MFB1 STARTUP FDR BKR SECTION	BH1	796	A, B, C, D, E
2	EL	SH	B2T01	E22 MFB2 STARTUP FDR BKR SECTION	BH1	796	A, B, C, D, E
2	EL	SH	B2T02	B2T POTENTIAL TRANSFORMER SECTION	BH1	796	A, B, C, D, E
2	EL	SH	B2T03	N22 MFB2 NORMAL FDR BKR SECTION	BH1	796	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	EL	SH	B2T04	4KV FDR BKR B2T-4 SSF 4KV SWGR OTS1-1 SECTION	BH1	796	A, B, C, D, E
2	EL	SH	B2T06	S22 STBY BUS 2 TO MFB2 BKR SECTION	BH1	796	A, B, C, D, E
2	EL	SX	2KIBKUP	BACKUP TRANSFER SWITCH 2KI	AB	796	A, B, C, D, E
2	EL	SX	2KIBYP	INVERTER BYPASS SWITCH 2KI	AB	796	A, B, C, D, E
2	EL	SX	2KUBKUP	BACKUP TRANSFER SWITCH 2KU	AB	796	A, B, C, D, E
2	EL	SX	2KUBYP	INVERTER BYPASS SWITCH 2KU	AB	796	A, B, C, D, E
2	EL	SX	2KXBKUP	BACKUP TRANSFER SWITCH 2KX	AB	796	A, B, C, D, E
2	EL	SX	2KXBYP	INVERTER BYPASS SWITCH 2KX	AB	796	A, B, C, D, E
2	EL	SX	ABXFER	2A/2B REG XFER SW	AB	796	A, B, C, D, E
2	EL	TF	0CT2	XFMR CT-2	YD	796	A, B, C, D, E
2	EL	TF	2A	XFMR 2A (600V TO 240V)	AB	796	A, B, C, D, E
2	EL	TF	2B	XFMR 2B (600V TO 240V)	AB	796	A, B, C, D, E
2	EL	TF	2KB	XFMR 2KB (600:208:120V)	TB	796	A, B, C, D, E
2	EL	TF	2KI	ISOLATION XFMR SHIELDED 2KI	AB	796	A, B, C, D, E
2	EL	TF	2KU	ISOLATION XFMR SHIELDED 2KU	AB	796	A, B, C, D, E
2	EL	TF	2XA	XFMR 2XA (600V TO 208V)	TB	796	A, B, C, D, E
2	EL	TF	2XC	XFMR 2XC (600V TO 208V)	TB	775	A, B, C, D, E
2	EL	TF	2XGA	XFMR 2XGA(600V TO 208V)	TB	796	A, B, C, D, E
2	EL	TF	2XGB	XFMR 2XGB (600V TO 208V)	TB	796	A, B, C, D, E
2	EL	TF	2XL	XFMR 2XL (600V TO 208V)	AB	771	A, B, C, D, E
2	EL	TF	2XN	XFMR 2XN (600V TO 208V)	AB	771	A, B, C, D, E
2	EL	TF	2XO	XFMR 2XO (600V TO 208V)	AB	796	A, B, C, D, E
2	EL	TF	2XP	XFMR 2XP (600V TO 208V)	AB	796	A, B, C, D, E
2	EL	TF	2XR	XFMR 2XR (600V/208V)	AB	838	A, B, C, D, E
2	EL	TF	2XS1A	XFMR 2XS1A (600V TO 208V)	AB	796	A, B, C, D, E
2	EL	TF	2XS2A	XFMR 2XS2A (600V TO 208V)	AB	796	A, B, C, D, E
2	EL	TF	2XS3A	XFMR 2XS3A (600V TO 208V)	AB	796	A, B, C, D, E
2	EL	TF	2XSF	XFMR 2XSF (600V TO 208V)	SSF	817	A, B, C, D, E
2	EL	TN	1001	TERMINAL BOX TB-1001	TB	796	D
2	EL	TN	1417	TERMINAL BOX TB-1417	AB	809	D
2	EL	TN	1418	TERMINAL BOX TB-1418	AB	809	D
2	EL	TN	TBSFPC	C SPENT FUEL COOLING PUMP PANEL	AB	783	A, B, C, D, E
2	EL	VR	2A	REGULATED PWR SUPP REG 2A	AB	796	A, B, C, D, E
2	EL	VR	2B	REGULATED PWR SUPP REG 2B	AB	796	A, B, C, D, E
2	ES	CA	0001	ENGINEERED SAFEGUARDS ANALOG CABINET 1 (CHANNEL A)_	AB	822	A, B, C, D, E
2	ES	CA	0002	ENGINEERED SAFEGUARDS ANALOG CABINET 2 (CHANNEL B)	AB	822	A, B, C, D, E
2	ES	CA	0003	ENGINEERED SAFEGUARDS ANALOG CABINET 3 (CHANNEL C)	AB	822	A, B, C, D, E
2	ES	CA	0004	ENGINEERED SAFEGUARDS LOGIC CABINET # 4	AB	822	A, B, C, D, E
2	ES	CA	0005	ENEGINEERED SAFEGUARDS CABINET 5	AB	822	A, B, C, D, E
2	ES	CA	0006	ENGINEERED SAFEGUARDS LOGIC CABINET # 6	AB	822	A, B, C, D, E
2	ES	CA	0007	ENGINEERED SAFEGUARDS LOGIC CABINET 7	AB	822	A, B, C, D, E
2	ES	CA	0008	ES LOGIC CABINET 8	AB	822	A, B, C, D, E
2	ES	CA	0009	ES LOGIC CABINET 9	AB	822	A, B, C, D, E
2	ES	CA	2ESTC1	ESFAS ODD CH TERM CAB 2ESTC1	AB	809	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	ES	CA	2ESTC2	ESFAS EVEN CH TERM CAB 2ESTC2	AB	809	A, B, C, D, E
2	ES	CA	2ESTC2A	ESFAS AUX RLY CAB 2ESTC2A	AB	809	A, B, C, D, E
2	ES	CA	2ESTC3	ESFAS EVEN/ODD TERM CAB 2ESTC3	AB	809	A, B, C, D, E
2	ESV	CA	2ESV1	ESV PUMP CONTROLS RELAY CABINET 2ESV1	AB	796	D
2	ESV	PL	0001	UNIT 2 ESV LOCAL CONTROL PANEL	ESV	797	D
2	ESV	PT	0001	ESV Tank Pressure Transmitter	ESV	797	D
2	ESV	PT	0002	ESV Tank Pressure Transmitter	ESV	797	D
2	ESV	PU	0001	ESV Pump 2A	ESV	797	D
2	ESV	PU	0002	ESV Pump 2B	ESV	797	D
2	ESV	PU	0003	ESV Pump 2C	ESV	797	D
2	ESV	TF	0001	600/240/120V 2SKM POWER TRANSFORMER	ESV	797	D
2	ESV	TF	0002	600/240/120V 2SKN POWER TRANSFORMER	ESV	797	D
2	ESV	TF	0003	600/240/120V 2SKN POWER TRANSFORMER	ESV	797	D
2	ESV	TK	0001	ESV Receiver Tank 2A	ESV	797	D
2	ESV	TK	0002	ESV Receiver Tank 2B	ESV	797	D
2	ESV	VA	0001	ESV Float Valve	YD	797	D
2	ESV	VA	0002	ESV Float Valve	YD	797	D
2	ESV	VA	0028	ESV Tank Min. Flow Valve	ESV	797	D
2	ESV	VA	0029	ESV Tank Min. Flow Valve	ESV	797	D
2	FDW	FT	0129	2A EFW HEADER FLOW	AB	783	D
2	FDW	FT	0130	2B EFW HEADER FLOW	AB	783	D
2	FDW	FT	0153	2A EFW HEADER FLOW TRANSMITTER	AB	783	D
2	FDW	FT	0154	2B EFW HEADER FLOW TRANSMITTER	AB	783	D
2	FDW	LT	0066	S/G 2A LEVEL	RB	777	D
2	FDW	LT	0067	S/G 2B LEVEL	RB	777	D
2	FDW	LT	0080	SG 2A LEVEL TRANSMITTER	RB	777	D
2	FDW	LT	0081	SG 2B LEVEL TRANSMITTER	RB	777	D
2	FDW	LT	0082	SG 2A LEVEL TRANSMITTER	RB	777	D
2	FDW	LT	0083	SG 2B LEVEL TRANSMITTER	RB	777	D
2	FDW	PL	0368	REMOTE STARTER ENCLOSURE FOR 2FDW-368	AB	809	D
2	FDW	PL	0369	REMOTE STARTER ENCLOSURE FOR 2FDW-369	AB	809	D
2	FDW	PL	0372	REMOTE STARTER ENCLOSURE FOR 2FDW-372	AB	809	D
2	FDW	PL	0374	REMOTE STARTER ENCLOSURE FOR 2FDW-374	AB	809	D
2	FDW	PL	0382	REMOTE STARTER ENCLOSURE FOR 2FDW-382	AB	809	D
2	FDW	PL	0384	REMOTE STARTER ENCLOSURE FOR 2FDW-384	AB	809	D
2	FDW	PL	ATWSCP	U2 ATWS CONTROL PANEL	AB	838	D
2	FDW	PS	0300	2EFPT LOW HYDRAULIC OIL PRESS SWITCH	TB	775	C
2	FDW	PS	0382	FWPT 2A CONTROL OIL PRESS SWITCH	TB	775	D
2	FDW	PS	0383	FWPT 2A CONTROL OIL PRESS SWITCH	TB	775	D
2	FDW	PS	0384	FWPT 2B CONTROL OIL PRESS SWITCH	TB	775	D
2	FDW	PS	0385	FWPT 2B CONTROL OIL PRESS SWITCH	TB	775	D
2	FDW	PS	1011	FWP 2A DISCH HDR PRESS SWITCH	TB	775	D
2	FDW	PS	1012	MAIN FWP 2B DISCH HDR PRESS SWITCH	TB	775	D
2	FDW	PU	0003	TDEFW PUMP	TB	775	D

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	FDW	PU	0004	MDEFW PUMP 2A	TB	775	D
2	FDW	PU	0005	MDEFW PUMP 2B	TB	775	D
2	FDW	SV	0037	STEAM GEN A SAMPLE ISOL VALVE FOR 2FDW-106	AB	809	D
2	FDW	SV	0038	STEAM GEN B SAMPLE ISOL VALVE FOR 2FDW-108	AB	822	D
2	FDW	TN	2TBATWS1	ATSW TERM BOX 1	AB	809	D
2	FDW	TN	2TBATWS2	ATSW TERM BOX 2	AB	809	D
2	FDW	TN	2TBFPT	FEEDWATER PUMP TURBINE TERMINAL BOX	TB	775	D
2	FDW	VA	0086	PRESS REG TD PUMP SEALS	TB	775	D
2	FDW	VA	0087	PRESS REG TD PUMP SEALS	TB	775	D
2	FDW	VA	0105	SG 2A SAMPLE ISOLATION	RB	808	D
2	FDW	VA	0106	SG 2A SAMPLE ISOLATION	AB	809	D
2	FDW	VA	0107	SG 2B SAMPLE ISOLATION	RB	808	D
2	FDW	VA	0108	SG 2B SAMPLE ISOLATION	AB	809	D
2	FDW	VA	0129	PRESS REG TD PUMP SEALS	TB	775	D
2	FDW	VA	0218	PRESS REG TD PUMP SEALS	TB	775	D
2	FDW	VA	0315	MDEFW PUMP 2A ISOLATION	AB	809	D
2	FDW	VA	0316	MDEFW PUMP 2B ISOLATION	AB	809	D
2	GEN	BS	IPB	ISOLATED PHASE BUS 19KV	TB	796	A, B, C, D, E
2	GWD	VA	0012	QUENCH TANK VENT	RB	797	A, B, C
2	GWD	VA	0013	QUENCH TANK VENT	AB	809	A, B, C
2	HP	VA	0003	LETDOWN ISOLATION	RB	777	B
2	HP	VA	0004	LETDOWN ISOLATION	RB	777	B
2	HP	VA	0005	LETDOWN ISOLATION	AB	809	B
2	HP	VA	0020	RCP SEAL RETURN ISOLATION	RB	808	B
2	HP	VA	0021	RCP SEAL RETURN ISOLATION	AB	809	B
2	HP	VA	0024	BWST SUCTION ISOLATION	AB	771	A,B,C
2	HP	VA	0025	BWST SUCTION ISOLATION	AB	771	A,B,C
2	HP	VA	0026	HPI TRAIN 2A INJECTION	AB	809	A,B,C
2	HP	VA	0027	HPI TRAIN 2B INJECTION	AB	809	A,B,C
2	HP	VA	0031	RCP SEAL INJ FLOW CONTROL	AB	796	B
2	HP	VA	0071	SEAL RETURN LINE RELIEF	AB	771	B
2	HP	VA	0120	RC VOLUME CONTROL	AB	809	A,B,C
2	HP	VA	0355	HPI AUX SPRAY THROTTLE	AB	809	C
2	HP	VA	0398	RC MAKEUP PUMP TO RCP SEALS BLOCK	RB	777	B
2	HP	VA	0409	HPI CROSSOVER ISOLATION	AB	809	A,B,C
2	HP	VA	0410	HPI CROSSOVER ISOLATION	AB	809	A,B,C
2	HP	VA	0426	ALT LETDOWN PATH ISOLATION	RB	777	A,B
2	HP	VA	0428	ALT LETDOWN PATH ISOLATION	RB	777	A,B
2	HPI	EP	0003	MAKEUP FLOW CONTROL	AB	809	A,B,C
2	HPI	EP	0075	RCP SEAL INJECTION FLOW	AB	783	B
2	HPI	FT	0007A	HPI A TRAIN INJ FLOW TRANSMITTER	AB	758	A,B,C
2	HPI	FT	0008A	HPI B TRAIN INJ FLOW TRANSMITTER	AB	758	A,B,C
2	HPI	FT	0075	RCP SEAL INJ FLOW TRANSMITTER	AB	783	B
2	HPI	FT	0101	RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	AB	783	B

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	HPI	FT	0102	RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	AB	783	B
2	HPI	FT	0103	RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	AB	783	B
2	HPI	FT	0104	RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	AB	783	B
2	HPI	FT	0157	U2 RC MAKE UP PUMP FLOW	RB	777	B
2	HPI	FT	0160	2B HPI EMERG FLOW X-OVER	AB	809	A,B,C
2	HPI	HX	000A	LETDOWN COOLER 2A	RB	777	B
2	HPI	HX	000B	LETDOWN COOLER 2B	RB	777	B
2	HPI	HX	001A	RC SEAL RETURN COOLER 2A	AB	771	B
2	HPI	HX	001B	RC SEAL RETURN COOLER 2B	AB	771	B
2	HPI	LT	0033P1	LETDOWN STORAGE TANK LEVEL TRAIN 1	AB	771	B
2	HPI	LT	0033P2	LETDOWN STORAGE TANK LEVEL TRAIN 2	AB	771	B
2	HPI	PL	0409	REMOTE STARTER ENCLOSURE FOR 2HP-409	AB	796	A,B,C
2	HPI	PL	0410	REMOTE STARTER ENCLOSURE FOR 2HP-410	AB	796	A,B,C
2	HPI	PS	0357	LETDOWN FLOW TEMP HIGH INTERLOCK	AB	783	B
2	HPI	PU	0001	HPI PUMP 2A	AB	758	A,B,C
2	HPI	PU	0002	HPI PUMP 2B	AB	758	A,B,C
2	HPI	PU	0003	HPI PUMP 2C	AB	758	A,B,C
2	HPI	PU	0005	SSF RC MAKEUP PUMP	RB	777	B
2	HPI	SV	0090	CONTROLS LETDOWN ISOLATION VALVE FOR 2HP-5	AB	809	B
2	HPI	SV	0095	RC PUMP SEAL RETURN ISOLATION VLV FOR 2HP-21	AB	809	B
2	HPI	TK	0001	LETDOWN STORAGE TANK	AB	771	B
2	HT	TF	EP05	FEEDER TO 208V TRACE HEATING PNLBD EP05	AB	771	D
2	ICC	CA	0001A	UNIT 2 ICCM TRAIN A CABINET	AB	822	A, B, C, D, E
2	ICC	CA	0001B	UNIT 2 ICCM TRAIN B CABINET	AB	822	A, B, C, D, E
2	ICS	CA	0001	ICS CABINET 1	AB	822	A, B, C, D, E
2	ICS	CA	0002	ICS CABINET 2	AB	822	A, B, C, D, E
2	ICS	CA	0003	ICS CABINET 3	AB	822	A, B, C, D, E
2	ICS	CA	0004	ICS CABINET 4	AB	822	A, B, C, D, E
2	ICS	CA	0005	ICS CABINET 5	AB	822	A, B, C, D, E
2	ICS	CA	0006	ICS CABINET 6	AB	822	A, B, C, D, E
2	ICS	CA	0007	ICS CABINET 7	AB	822	A, B, C, D, E
2	ICS	CA	0008	ICS CABINET 8	AB	822	A, B, C, D, E
2	ICS	CA	0009	ICS CABINET 9	AB	822	A, B, C, D, E
2	ICS	CA	0010	ICS CABINET 10	AB	822	A, B, C, D, E
2	ICS	CA	0011	ICS CABINET 11	AB	822	A, B, C, D, E
2	ICS	CA	0012	AUXILIARY SYSTEM CABINET #12	AB	822	A, B, C, D, E
2	ICS	CA	0013	AUXILIARY SYSTEM CABINET #13	AB	822	A, B, C, D, E
2	ICS	CA	0014	AUXILIARY SYSTEM CABINET #14	AB	822	A, B, C, D, E
2	ICS	PL	ASP	AUX SHUTDOWN PANEL	TB	822	A, B, C, D, E
2	LP	VA	0001	LPI DROPLINE ISOL FROM RCS	RB	797	B,D
2	LP	VA	0002	LPI DROPLINE ISOL FROM RCS	RB	777	D
2	LP	VA	0003	LPI HOT LEG SUCTION	AB	758	D
2	LP	VA	0005	LPI PUMP 2A SUCTION	AB	758	D
2	LP	VA	0006	LPI SUCTION CROSSOVER	AB	758	D

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	LP	VA	0007	LPI SUCTION CROSSOVER	AB	758	D
2	LP	VA	0008	LPI PUMP 2B SUCTION	AB	758	D
2	LP	VA	0009	2C LPI PUMP DISCH TO 2A LPI HDR	AB	758	D
2	LP	VA	0010	2C LPI PUMP DISCH TO 2B LPI HDR	AB	758	D
2	LP	VA	0012	LPI COOLER 2A ISOLATION	AB	771	D
2	LP	VA	0014	LPI COOLER 2B ISOLATION	AB	771	D
2	LP	VA	0017	LPI TRAIN 2A INJECTION ISOL	AB	809	D
2	LP	VA	0018	LPI TRAIN 2B INJECTION ISOL	AB	809	D
2	LP	VA	0069	LPI SWITCHOVER FLOW CONTROL VALVE	AB	758	D
2	LP	VA	0126	LPI POST ACCIDENT SAMPLE ISOL	AB	758	A
2	LPI	FT	0004P	LPI TRAIN 2B INJ FLOW TRANS (Powered by ICCM)	AB	809	D
2	LPI	FT	0005P	LPI TRAIN 2A INJ FLOW TRANS (Powered by ICCM)	AB	809	D
2	LPI	HX	000A	LPI COOLER 2A	AB	771	D
2	LPI	HX	000B	LPI COOLER 2B	AB	771	D
2	LPI	PU	0001	2LPI PUMP A	AB	758	D
2	LPI	PU	0002	2LPI PUMP B	AB	758	D
2	LPI	PU	0003	2LPI PUMP C	AB	758	D
2	LPI	TE	0209	LPI COOLER 2B OUTLET TEMP (ICS Input)	AB	809	D
2	LPI	TE	0210	LPI COOLER 2A OUTLET TEMP (ICS Input)	AB	771	D
2	LPI	TK	0001	BWST	YD	796	A,B,C
2	LPS	FT	0124	LPI COOLER 2A FLOW XMTR (2LPSW-251)	AB	771	D
2	LPS	FT	0125	LPI COOLER 2B FLOW XMTR (2LPSW-252)	AB	771	D
2	LPS	FT	1000	DECAY HEAT COOLER 'A' LPSW FLOW (2LPSW-251)	AB	771	B,D
2	LPS	FT	1001	DECAY HEAT COOLER B LPSW FLOW	AB	771	B,D
2	LPS	SV	0202	MOTOR DRIVEN EFDW PUMP MTR 2A COOLING WATER FLOW	TB	775	C
2	LPS	SV	0203	MOTOR DRIVEN EFDW PUMP MTR 2B COOLING WATER FLOW	TB	775	C
2	LPS	SV	1000	SOLENOID VALVE FOR 2LPSW-251	AB	783	D
2	LPS	SV	1001	SOLENOID VALVE FOR 2LPSW-252	AB	783	D
2	LPS	VA	0004	LPI COOLER 2A ISOLATION VALVE	AB	783	D
2	LPS	VA	0005	LPI COOLER 2B ISOLATION VALVE	AB	783	D
2	LPS	VA	0018	RBCU 2A RETURN VALVE	AB	809	E
2	LPS	VA	0021	RBCU 2B RETURN VALVE	AB	809	E
2	LPS	VA	0024	RBCU 2C RETURN VALVE	AB	809	E
2	LPS	VA	0139	Nonessential Header Isolation Valve	TB	775	D
2	LPS	VA	0251	LPI COOLER 2A CONTROL VALVE	AB	783	D
2	LPS	VA	0252	LPI COOLER 2B CONTROL VALVE	AB	783	D
2	LPS	VA	0516	EFW PUMP 2A LPSW ISOLATION VALVE	TB	775	C
2	LPS	VA	0525	EFW PUMP 2B LPSW ISOLATION VALVE	TB	775	C
2	MS	PL	0017	REMOTE STARTER ENCLOSURE FOR 2MSRS0017	TB	796	D
2	MS	PL	0026	REMOTE STARTER ENCLOSURE FOR 2MSRS0026	TB	796	D
2	MS	PL	0076	REMOTE STARTER ENCLOSURE FOR 2MSRS0076	TB	796	D
2	MS	PL	0079	REMOTE STARTER ENCLOSURE FOR 2MSRS0079	TB	796	D
2	MS	PS	0086	MAIN STEAM PRESS SWITCH (MS-19)	TB	796	D
2	MS	PS	0087	MAIN STEAM PRESS SWITCH (MS-22)	TB	796	D

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	MS	PS	0088	MAIN STEAM PRESS SWITCH (MS-28)	TB	796	D
2	MS	PS	0089	MAIN STEAM PRESS SWITCH (MS-31)	TB	796	D
2	MS	PT	0024P	SG 2A PRESSURE	RB	825	D
2	MS	PT	0025P	SG 2A PRESSURE	RB	825	D
2	MS	PT	0026P	SG 2B PRESSURE	RB	825	D
2	MS	PT	0027P	SG 2B PRESSURE	RB	825	D
2	MS	PT	1006	AFIS ANALOG CHANNEL 3 - 2A S/G HDR PRESSURE	TB	796	D
2	MS	PT	1007	AFIS ANALOG CHANNEL 3 - 2B S/G HDR PRESSURE	TB	796	D
2	MS	PT	1008	AFIS ANALOG CHANNEL 4 - 2A S/G HDR PRESSURE	TB	796	D
2	MS	PT	1009	AFIS ANALOG CHANNEL 4 - 2B S/G HDR PRESSURE	TB	796	D
2	MS	PY	0042	UNIT 2 UPS (2MSSS0042 - 2MS-87)	AB	796	D
2	MS	SV	0074	TD EFDWP STEAM ADMISSION SOLENIOD FOR 2MS-93	TB	775	D
2	MS	SV	0178	TURB BYPASS CONTROL VLV A SHUTOFF	TB	796	D
2	MS	SV	0179	TURB BYPASS CONTROL VLV B SHUTOFF	TB	796	D
2	MS	SV	0180	TURB BYPASS CONTROL VLV C SHUTOFF	TB	796	D
2	MS	SV	0181	TURB BYPASS CONTROL VLV D SHUTOFF	TB	796	D
2	MS	VA	0001	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0002	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0003	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0004	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0005	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0006	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0007	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0008	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0009	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0010	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0011	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0012	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0013	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0014	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0015	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0016	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0017	TURBINE BYPASS ISOLATION	TB	796	D
2	MS	VA	0019	TURBINE BYPASS VALVE	TB	796	D
2	MS	VA	0022	TURBINE BYPASS VALVE	TB	796	D
2	MS	VA	0024	AS ISOLATION	TB	796	D
2	MS	VA	0026	TURBINE BYPASS ISOLATION	TB	796	D
2	MS	VA	0028	TURBINE BYPASS VALVE	TB	796	D
2	MS	VA	0031	TURBINE BYPASS VALVE	TB	796	D
2	MS	VA	0033	AS ISOLATION	TB	796	D
2	MS	VA	0035	FWPT ISOLATION	TB	796	D
2	MS	VA	0036	FWPT ISOLATION	TB	796	D
2	MS	VA	0040	FWPT 2A STOP VALVE (MS-40/SV12)	TB	775	D
2	MS	VA	0043	FWPT 2B STOP VALVE (MS-43/SV12)	TB	775	D

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	MS	VA	0047	MS TO CSAE	TB	796	D
2	MS	VA	0076	MS RH ISOLATION	TB	796	D
2	MS	VA	0077	MS TO 2ND STAGE RHTR ISOL	TB	796	D
2	MS	VA	0078	MS TO 2ND STAGE RHTR ISOL	TB	796	D
2	MS	VA	0079	MS RH ISOLATION	TB	796	D
2	MS	VA	0080	MS TO 2ND STAGE RHTR ISOL	TB	796	D
2	MS	VA	0081	MS TO 2ND STAGE RHTR ISOL	TB	796	D
2	MS	VA	0093	TDEFW MS ISOLATION VALVE	TB	775	D
2	MS	VA	0095	TD EFDWP GOVERNOR VALVE	TB	775	D
2	MS	VA	0102	TURBINE STOP VALVE # 4	TB	796	D
2	MS	VA	0103	TURBINE STOP VALVE # 3	TB	796	D
2	MS	VA	0104	TURBINE STOP VALVE # 2	TB	796	D
2	MS	VA	0105	TURBINE STOP VALVE # 1	TB	796	D
2	MS	VA	0106	MAIN STEAM CONTROL VALVE	TB	796	D
2	MS	VA	0107	MAIN STEAM CONTROL VALVE	TB	796	D
2	MS	VA	0108	MAIN STEAM CONTROL VALVE	TB	796	D
2	MS	VA	0109	MAIN STEAM CONTROL VALVE	TB	796	D
2	MS	VA	0112	MS TO 2ND STAGE RHTR ISOL	TB	796	D
2	MS	VA	0126	MS TO AS CONTROL VALVE	TB	796	D
2	MS	VA	0129	MS TO AS CONTROL VALVE	TB	796	D
2	MS	VA	0173	MS TO 2ND STAGE RHTR ISOL	TB	796	D
2	N	TK	0003	NITROGEN SUPPLY FOR 2FDW-315 & 2FDW-316	AB	838	D
2	N	TK	0004	NITROGEN SUPPLY FOR 2FDW-315 & 2FDW-316	AB	838	D
2	N	TK	0005	NITROGEN SUPPLY FOR 2MS-87	TB	796	D
2	N	TK	0006	NITROGEN SUPPLY FOR 2MS-126	TB	796	D
2	N	TK	0007	NITROGEN SUPPLY FOR 2MS-129	TB	796	D
2	PAM	CA	0001	POST ACCIDENT LIQUID SAMPLING PANEL	AB	771	A
2	PAM	LT	0090	RB CONTAINMENT WATER LVL TR A	RB	777	A
2	PAM	LT	0091	RB CONTAINMENT WATER LVL TR B	RB	777	A
2	PAM	P	0305	RB CONT WATER LVL IND TR B	AB	822	A
2	PPS	CA	0001	RPS A/ES A1	AB	822	A, B, C, D, E
2	PPS	CA	0002	RPS A/ES A1	AB	822	A, B, C, D, E
2	PPS	CA	0003	RPS B/ES B1	AB	822	A, B, C, D, E
2	PPS	CA	0004	RPS B/ES B1	AB	822	A, B, C, D, E
2	PPS	CA	0005	RPS C/ES C1	AB	822	A, B, C, D, E
2	PPS	CA	0006	RPS C/ES C1	AB	822	A, B, C, D, E
2	PPS	CA	0007	RPS D	AB	822	A, B, C, D, E
2	PPS	CA	0008	RPS D	AB	822	A, B, C, D, E
2	PPS	CA	0009	ES A2	AB	822	A, B, C, D, E
2	PPS	CA	0010	ES B2	AB	822	A, B, C, D, E
2	PPS	CA	0011	ES C2	AB	822	A, B, C, D, E
2	PPS	CA	0012	ES VOTER ODD	AB	822	A, B, C, D, E
2	PPS	CA	0013	ES VOTER ODD	AB	822	A, B, C, D, E
2	PPS	CA	0014	ES VOTER EVEN	AB	822	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	PPS	CA	0015	ES VOTER EVEN	AB	822	A, B, C, D, E
2	PPS	CA	0016	RPS E/MSI	AB	822	A, B, C, D, E
2	PPS	CA	0017	ES STATUS ODD	AB	822	A, B, C, D, E
2	PPS	CA	0018	ES STATUS EVEN	AB	822	A, B, C, D, E
2	RBC	AH	0020A	RBCU FAN 2A	RB	825	E
2	RBC	AH	0020B	RBCU FAN 2B	RB	825	E
2	RBC	AH	0020C	RBCU FAN 2C	RB	825	E
2	RBC	HX	000A	RB COOLING UNIT 2A	RB	817	E
2	RBC	HX	000AAUX	AUX RBCU A	RB	844	E
2	RBC	HX	000B	RB COOLING UNIT 2B	RB	817	E
2	RBC	HX	000BAUX	AUX RBCU B	RB	861	E
2	RBC	HX	000C	RB COOLING UNIT 2C	RB	817	E
2	RBC	HX	000CAUX	AUX RBCU C	RB	844	E
2	RBC	HX	000DAUX	AUX RBCU D	RB	844	E
2	RC	LT	0004P1	PRZ LEVEL TRANSMITTER	RB	797	B,C
2	RC	LT	0004P3	PRZ LEVEL TRANSMITTER	RB	797	B,C
2	RC	LT	0123	2A RCS HOT LEG LVL (ICCM A)	AB	809	B
2	RC	LT	0124	2B RCS HOT LEG LVL (ICCM B)	AB	809	B
2	RC	LT	0125	RV HEAD LEVEL (ICCM A)	AB	809	B
2	RC	LT	0126	RV HEAD LEVEL (ICCM B)	AB	809	B
2	RC	PL	2RC1	2RC-1 SPRAY VALVE CONTROL BOX	AB	796	B
2	RC	PT	0017P	RCS LOOP A PRESS TRANS	RB	825	C
2	RC	PT	0021P	RC PRESS XMTR (ES CH A)	RB	825	B
2	RC	PT	0022P	RC PRESS XMTR (ES CH B)	RB	825	B
2	RC	PT	0023P	RC PRESS XMTR (ES CH C)	RB	825	B
2	RC	PT	0166P	RCS LOOP B PRESS TRANS	RB	825	C
2	RC	PT	0225	U2 RC LOOP A PRESSURE	RB	817	C,D
2	RC	PT	0226	U2 RC LOOP B PRESSURE	RB	825	C,D
2	RC	PT	0244	WR RCS PRESS TRAIN A (ICCM)	AB	809	C,D
2	RC	PT	0245	WR RCS PRESS TRAIN B (ICCM)	AB	809	C,D
2	RC	RD	0005B	A2 COLD LEG RTD	RB	797	C,D
2	RC	RD	0006A	A1 COLD LEG RTD	RB	797	C,D
2	RC	RD	0007B	B2 COLD LEG RTD	RB	797	C,D
2	RC	RD	0008A	B1 COLD LEG RTD	RB	797	C,D
2	RC	RD	0043A	PRZ RTD	RB	808	B,C
2	RC	RD	0043B	PRZ RTD	RB	808	B,C
2	RC	RD	0084A	REACTOR OUTLET LOOP 2A	RB	844	C,D
2	RC	RD	0084B	A HOT LEG WIDE RANGE RTD	RB	844	C,D
2	RC	RD	0085A	REACTOR OUTLET LOOP 2B	RB	844	C,D
2	RC	RD	0085B	B HOT LEG WIDE RANGE RTD	RB	844	C,D
2	RC	SV	0036	RC SAMPLE LINE ISOLATION VALVE (2RC7)	AB	822	B
2	RC	SV	0229	CONTROLS POST ACC. SAM. VLV(2RC-179)	AB	758	A
2	RC	VA	0001	PRESSURIZER SPRAY VALVE	RB	853	C
2	RC	VA	0003	PRZ SPRAY ISOLATION	RB	853	C

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	RC	VA	0004	PRZ PORV BLOCK VALVE	RB	853	B,C
2	RC	VA	0005	PRZ STEAM SAMPLE ISOLATION	RB	808	B
2	RC	VA	0006	PRZ WATER SAMPLE ISOLATION	RB	808	B
2	RC	VA	0007	PRZ WATER SAMPLE ISOLATION	AB	809	B
2	RC	VA	0066	PRZ PORV	RB	853	B,C
2	RC	VA	0067	PRZ CODE SAFETY	RB	853	B,C
2	RC	VA	0068	PRZ CODE SAFETY	RB	853	B,C
2	RC	VA	0159	RV VENT ISOLATION	RB	844	A,B,C
2	RC	VA	0160	RV VENT ISOLATION	RB	844	A,B,C
2	RC	VA	0162	POST ACC SAMPLE PATH ISOL	RB	777	A,B
2	RC	VA	0163	POST ACC SAMPLE PATH ISOL	RB	777	A
2	RC	VA	0164	POST ACC SAMPLE PATH ISOL	AB	758	A
2	RC	VA	0165	POST ACC SAMPLE PATH ISOL	AB	758	A
2	RC	VA	0179	POST ACC SAMPLE THROTTLE	AB	758	A
2	RPS	CA	0001	REACTOR PROTECTION SYSTEM CABINETS U2	AB	822	A, B, C, D, E
2	RPS	CA	A1	RPS CABINET 2A1	AB	822	A, B, C, D, E
2	RPS	CA	A2	RPS CABINET 2A2	AB	822	A, B, C, D, E
2	RPS	CA	B1	RPS CABINET 2B1	AB	822	A, B, C, D, E
2	RPS	CA	B2	RPS CABINET 2B2	AB	822	A, B, C, D, E
2	RPS	CA	C1	RPS CABINET 2C1	AB	822	A, B, C, D, E
2	RPS	CA	C2	RPS CABINET 2C2	AB	822	A, B, C, D, E
2	RPS	CA	D1	RPS CABINET 2D1	AB	822	A, B, C, D, E
2	RPS	CA	D2	RPS CABINET 2D2	AB	822	A, B, C, D, E
2	RPS	CA	E1	RPS CABINET 2E1	AB	822	A, B, C, D, E
2	SC	HX	000A	GEN WATER COOLER 2A	TB	775	D
2	SC	HX	000B	GEN WATER COOLER 2B	TB	775	D
2	SF	TK	0002	INCORE INST HANDLING TANK	RB	797	A,C,D
2	SF	VA	0082	SPENT FUEL POOL TO RC MAKEUP PUMP BLOCK	RB	777	B
2	SF	VA	0097	SPENT FUEL POOL TO RC MAKEUP PUMP BLOCK	RB	777	B
2	SSW	FT	1011	ESV PUMP 2A SEAL WATER FLOW TRANSMITTER	ESV	797	D
2	SSW	FT	1012	ESV PUMP 2B SEAL WATER FLOW TRANSMITTER	ESV	797	D
2	SSW	FT	1013	ESV PUMP 2C SEAL WATER FLOW TRANSMITTER	ESV	797	D
2	SSW	VA	0109	CCWP Seal Water Reg. Valve	INT	796	D
2	SSW	VA	0119	CCWP Seal Water Reg. Valve	INT	796	D
2	SSW	VA	0129	CCWP Seal Water Reg. Valve	INT	796	D
2	SSW	VA	0139	CCWP Seal Water Reg. Valve	INT	796	D
2	SSW	VA	0155	ESV Pump Seal Supply Valve	ESV	797	D
2	SSW	VA	0156	ESV Pump Seal Supply Valve	ESV	797	D
2	SSW	VA	0157	ESV Pump Seal Supply Valve	ESV	797	D
2	SYD	BK	PCB24	230KV AC POWER CIRCUIT BREAKER 24 (PCB-24)	SYD	770	A, B, C, D, E
2	SYD	BK	PCB26	230KV AC POWER CIRCUIT BREAKER 26 (PCB-26)	SYD	770	A, B, C, D, E
2	SYD	BK	PCB27	230KV AC POWER CIRCUIT BREAKER 27 (PCB-27)	SYD	770	A, B, C, D, E
2	TO	PU	0022	EFWPT AUX OIL PUMP	TB	775	C
2	TO	TK	0002	EFW PUMP TURBINE OIL TANK	TB	775	C

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	TO	TN	TBEH2A	FWPT 2A MAIN OIL TANK TERM BOX EH	TB	775	D
2	TO	TN	TBEH2B	FWPT 2B MAIN OIL TANK TERM BOX EH	TB	775	D
2	TO	VA	0059	EFW PUMP TURB OIL PR VALVE	TB	775	C
2	TO	VA	0145	2MS-95 LUBE OIL SUPPLY SOLENOID	TB	775	C
2	V	AE	0001	EM STEAM AIR EJECTOR (SAE)	TB	775	D
K0	ELK	BD	CB05	CONTROL BOARD 05	KEO	688	A, B, C, D, E
K0	ELK	BD	CB06	CONTROL BOARD 06	KEO	688	A, B, C, D, E
K0	ELK	BS	OHXPHASE	KHU OVERHEAD BUS X PHASE TO 230 KV SWITCHYARD	KEO	702	A, B, C, D, E
K0	ELK	BS	OHYPHASE	KHU OVERHEAD BUS Y PHASE TO 230 KV SWITCHYARD	KEO	702	A, B, C, D, E
K0	ELK	BS	OHZPHASE	KHU OVERHEAD BUS Z PHASE TO 230 KV SWITCHYARD	KEO	702	A, B, C, D, E
K0	ELK	PL	EB5	ELEC BOARD 05	KEO	688	A, B, C, D, E
K0	ELK	PL	EB6	ELEC BOARD 06	KEO	688	A, B, C, D, E
K0	ELK	SX	CX	KEOWEE XFMR CX DISC SW	KEO	702	A, B, C, D, E
K0	ELK	TF	0001	MAIN TRANSFORMER	KEO	702	A, B, C, D, E
K0	ELK	TF	CX	TRANSFORMER CX	KEO	702	A, B, C, D, E
K1	AG	TK	0001	AIR RECEIVER TANK	KEO	683	A, B, C, D, E
K1	CO	PS	063F	GEN 1 CO2 RELEASE PRESS SWITCH (63F/PS2_1)	KEO	683	A, B, C, D, E
K1	CO	SV	20F1	GEN 1 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K1	CO	SV	20F2	GEN 1 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K1	CO	SV	20P1	GEN 1 CO2 CYL RELEASE VALVE (MAIN BANK)	KEO	702	A, B, C, D, E
K1	CO	SV	20P2	GEN 1 CO2 CYL RELEASE VALVE (MAIN BANK)	KEO	702	A, B, C, D, E
K1	ELK	BA	KB1	BATT BANK 1	KEO	675	A, B, C, D, E
K1	ELK	BC	KC1	BATT CHARGER 1 (KC-1)	KEO	675	A, B, C, D, E
K1	ELK	BD	CB01	CONTROL BOARD 01	KEO	688	A, B, C, D, E
K1	ELK	BD	CB02	CONTROL BOARD 02	KEO	688	A, B, C, D, E
K1	ELK	BD	CB03	CONTROL BOARD 03	KEO	688	A, B, C, D, E
K1	ELK	BD	CB04	CONTROL BOARD 04	KEO	688	A, B, C, D, E
K1	ELK	BS	GENACB13	13.8 KV BUS FROM GEN #1 TO ACB1 AND ACB3	KEO	702	A, B, C, D, E
K1	ELK	BS	MTFACB1	13.8 KV BUS FROM ACB1 TO MAIN XFMR	KEO	702	A, B, C, D, E
K1	ELK	CA	0103	TERMINAL BOX 103 (WIRING ONLY)	KEO	675	A, B, C, D, E
K1	ELK	CA	0127	TERMINAL BOX 127	KEO	683	A, B, C, D, E
K1	ELK	CA	1LC1	LOGIC CABINET 1	KEO	688	A, B, C, D, E
K1	ELK	CA	1LC2	LOGIC CABINET 2	KEO	688	A, B, C, D, E
K1	ELK	CA	1LC3	LOGIC CABINET 3	KEO	688	A, B, C, D, E
K1	ELK	CA	1MTC1	U1 MISC TERM CAB 1MTC1	KEO	675	A, B, C, D, E
K1	ELK	CA	1MTC2	U1 MISC TERM CAB 1MTC2	KEO	675	A, B, C, D, E
K1	ELK	MX	1XA	600V AC MCC 1XA	KEO	683	A, B, C, D, E
K1	ELK	PL	1DA	125V DC DIST CENTER 1DA	KEO	675	A, B, C, D, E
K1	ELK	PL	1EC1	EXC CUBICLE 1	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC2	EXC CUBICLE 2	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC3	EXC CUBICLE 3	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC4	EXC CUBICLE 4	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC5	EXC CUBICLE 5	KEO	702	A, B, C, D, E
K1	ELK	PL	1TGP1	TURBINE GAUGE PANEL (UNIT 1)	KEO	683	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K1	ELK	PL	EB1	ELEC BOARD 01	KEO	688	A, B, C, D, E
K1	ELK	PL	EB2	ELEC BOARD 02	KEO	688	A, B, C, D, E
K1	ELK	PL	EB3	ELEC BOARD 03	KEO	688	A, B, C, D, E
K1	ELK	PL	EB4	ELEC BOARD 04	KEO	688	A, B, C, D, E
K1	ELK	PL	EFBP1	EMERGENCY FEEDER BREAKER NO. 1	KEO	702	A, B, C, D, E
K1	ELK	PL	GBP	GENERATOR BREAKER PANEL	KEO	702	A, B, C, D, E
K1	ELK	PL	KA	120V AC PPB KA	KEO	683	A, B, C, D, E
K1	ELK	PL	MODP	MOTOR OPERATED DISCONNECT PANEL	KEO	702	A, B, C, D, E
K1	ELK	SH	1X	600V AC SWGR 1X	KEO	702	A, B, C, D, E
K1	ELK	SX	1E	U1 XFMR 1E DISC SW	KEO	702	A, B, C, D, E
K1	ELK	SX	1X	TRANSFORMER 1X DISCONNECT SWITCH	KEO	702	A, B, C, D, E
K1	ELK	TF	1E	EXCITATION TRANSFORMER 1E	KEO	702	A, B, C, D, E
K1	ELK	TF	1X	600V AC SWGR 1X TRANSFORMER	KEO	702	A, B, C, D, E
K1	ELK	TN	0101	TERMINAL BOX 101	KEO	683	A, B, C, D, E
K1	ELK	TN	0102	TERMINAL BOX 102	KEO	683	A, B, C, D, E
K1	ELK	TN	0109	TERMINAL BOX 109	KEO	683	A, B, C, D, E
K1	ELK	TN	0113	TERMINAL BOX 113 (WIRING ONLY)	KEO	683	A, B, C, D, E
K1	ELK	TN	0121	TERMINAL BOX 121 (WIRING ONLY)	KEO	683	A, B, C, D, E
K1	ELK	TN	0123	TERMINAL BOX 123 (WIRING ONLY)	KEO	683	A, B, C, D, E
K1	GA	HX	0001	GEN AIR COOLER 1	KEO	695	A, B, C, D, E
K1	GA	HX	0002	GEN AIR COOLER 2	KEO	695	A, B, C, D, E
K1	GA	HX	0003	GEN AIR COOLER 3	KEO	695	A, B, C, D, E
K1	GA	HX	0004	GEN AIR COOLER 4	KEO	695	A, B, C, D, E
K1	GA	HX	0005	GEN AIR COOLER 5	KEO	695	A, B, C, D, E
K1	GA	HX	0006	GEN AIR COOLER 6	KEO	695	A, B, C, D, E
K1	GBO	HX	0001	TURB GUIDE BRNG OIL COOLER	KEO	667	A, B, C, D, E
K1	GBO	LS	63TA	TURB GUIDE BRNG OIL LEVEL SWITCH (1GBOLT0001)	KEO	675	A, B, C, D, E
K1	GBO	LS	63TB	TURB GUIDE BRNG OIL LEVEL SWITCH (1GBOLT0002)	KEO	675	A, B, C, D, E
K1	GBO	PU	088A	AC BRNG OIL PUMP (88A)	KEO	667	A, B, C, D, E
K1	GBO	PU	088D	DC BRNG OIL PUMP (88D)	KEO	667	A, B, C, D, E
K1	GCS	CA	SS1A	GOVERNOR SPEED CONTOL CABINET SS1A	KEO	667	A, B, C, D, E
K1	GCS	CA	SS1B	GOVERNOR SPEED CONTOL CABINET SS1B	KEO	667	A, B, C, D, E
K1	GEN	GN	0001	KEOWEE UNIT 1 GENERATOR	KEO	683	A, B, C, D, E
K1	GEN	PC	GPC1	GEN POT CUBICLE UNIT 1 (1 PER PHASE)	KEO	702	A, B, C, D, E
K1	GEN	PL	BPC1	BUS POT CUBICLE UNIT 1 (1 PER PHASE)	KEO	702	A, B, C, D, E
K1	GEN	PL	NEUCUB	NEUTRAL CUBICLE 1	KEO	683	A, B, C, D, E
K1	HPO	HX	0001	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0002	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0003	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0004	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0005	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0006	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0007	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0008	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K1	HPO	LS	63BLH	LEVEL SWITCH (1HPOLS0001)	KEO	683	A, B, C, D, E
K1	HPO	LS	63BLL	LEVEL SWITCH (1HPOLS0002)	KEO	683	A, B, C, D, E
K1	HPO	PU	88HA	AC GEN HP LIFT PUMP (88HA)	KEO	675	A, B, C, D, E
K1	HPO	PU	88HD	DC GEN HP LIFT PUMP (88HD)	KEO	675	A, B, C, D, E
K1	MT	PS	0009	TURBINE PIT PRESS SWITCH	KEO	675	A, B, C, D, E
K1	MT	TR	0001	KEOWEE UNIT 1 TURBINE	KEO	702	A, B, C, D, E
K1	OG	TK	0001	GOVERNOR ACTUATOR	KEO	683	A, B, C, D, E
K1	OG	TK	0002	GOVERNOR OIL SUMP TANK	KEO	683	A, B, C, D, E
K1	OG	TK	0003	GOVERNOR OIL PRESS TANK	KEO	683	A, B, C, D, E
K1	PMG	DT	MPU1A	SPEED CONTROL MAGNETIC PICKUP 1A	KEO	667	A, B, C, D, E
K1	PMG	DT	MPU1B	SPEED CONTROL MAGNETIC PICKUP 1B	KEO	667	A, B, C, D, E
K1	PMG	DT	MPU1C	SPEED CONTROL MAGNETIC PICKUP 1C	KEO	667	A, B, C, D, E
K1	TS	LS	63SA	TURB SUMP LEVEL SWITCH (1TSLS0001)	KEO	675	A, B, C, D, E
K1	TS	LS	63SB	TURB SUMP LEVEL SWITCH (1TSLS0002)	KEO	675	A, B, C, D, E
K1	TS	PU	88SA	AC SUMP PUMP (88SA)	KEO	675	A, B, C, D, E
K1	TS	PU	88SD	DC SUMP PUMP (88SD)	KEO	675	A, B, C, D, E
K1	WL	VA	0011	GEN COOL ISOL VALVE (1WL-11)	KEO	683	A, B, C, D, E
K2	AG	TK	0001	AIR RECEIVER TANK	KEO	683	A, B, C, D, E
K2	CO	PS	063F	GEN 2 CO2 RELEASE PRESS SWITCH (63F/PS2_2)	KEO	683	A, B, C, D, E
K2	CO	SV	20F3	GEN 2 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K2	CO	SV	20F4	GEN 2 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K2	CO	SV	20P3	GEN 2 CO2 CYL RELEASE VALVE (RESERVE BANK)	KEO	702	A, B, C, D, E
K2	CO	SV	20P4	GEN 2 CO2 CYL RELEASE VALVE (RESERVE BANK)	KEO	702	A, B, C, D, E
K2	ELK	BA	KB2	BATT BANK 2	KEO	675	A, B, C, D, E
K2	ELK	BC	KC2	BATT CHARGER 2 (KC-2)	KEO	675	A, B, C, D, E
K2	ELK	BD	CB07	CONTROL BOARD 07	KEO	688	A, B, C, D, E
K2	ELK	BD	CB08	CONTROL BOARD 08	KEO	688	A, B, C, D, E
K2	ELK	BD	CB09	CONTROL BOARD 09	KEO	688	A, B, C, D, E
K2	ELK	BD	CB10	CONTROL BOARD 10	KEO	688	A, B, C, D, E
K2	ELK	BS	GENACB24	13.8 KV BUS FROM GEN #2 TO ACB2 AND ACB4	KEO	702	A, B, C, D, E
K2	ELK	BS	MTFACB2	13.8 KV BUS FROM ACB2 TO MAIN XFMR	KEO	702	A, B, C, D, E
K2	ELK	CA	2LC1	LOGIC CABINET 1	KEO	688	A, B, C, D, E
K2	ELK	CA	2LC2	LOGIC CABINET 2	KEO	688	A, B, C, D, E
K2	ELK	CA	2LC3	LOGIC CABINET 3	KEO	688	A, B, C, D, E
K2	ELK	CA	2MTC1	U2 MISC TERM CAB 2MTC1	KEO	675	A, B, C, D, E
K2	ELK	CA	2MTC2	U2 MISC TERM CAB 2MTC2	KEO	675	A, B, C, D, E
K2	ELK	MX	2XA	600V AC MCC 2XA	KEO	683	A, B, C, D, E
K2	ELK	PL	2DA	125V DC DIST CENTER 2DA	KEO	675	A, B, C, D, E
K2	ELK	PL	2EC1	EXC CUBICLE 1	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC2	EXC CUBICLE 2	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC3	EXC CUBICLE 3	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC4	EXC CUBICLE 4	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC5	EXC CUBICLE 5	KEO	702	A, B, C, D, E
K2	ELK	PL	2TGP1	TURBINE GAUGE PANEL (UNIT 2)	KEO	683	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K2	ELK	PL	EB10	ELEC BOARD 10	KEO	688	A, B, C, D, E
K2	ELK	PL	EB7	ELEC BOARD 07	KEO	688	A, B, C, D, E
K2	ELK	PL	EB8	ELEC BOARD 08	KEO	688	A, B, C, D, E
K2	ELK	PL	EB9	ELEC BOARD 09	KEO	688	A, B, C, D, E
K2	ELK	PL	EFBP2	EMERGENCY FEEDER BREAKER NO. 2	KEO	702	A, B, C, D, E
K2	ELK	PL	GBP	GENERATOR BREAKER PANEL	KEO	702	A, B, C, D, E
K2	ELK	PL	KB	120V AC PPB KB	KEO	683	A, B, C, D, E
K2	ELK	PL	MODP	MOTOR OPERATED DISCONNECT PANEL	KEO	702	A, B, C, D, E
K2	ELK	SH	2X	600V AC SWGR 2X	KEO	702	A, B, C, D, E
K2	ELK	SX	2E	U2 XFMR 2E DISC SW	KEO	702	A, B, C, D, E
K2	ELK	SX	2X	TRANSFORMER 2X DISCONNECT SWITCH	KEO	702	A, B, C, D, E
K2	ELK	TF	2E	EXCTIATION TRANSFORMER 2E	KEO	702	A, B, C, D, E
K2	ELK	TF	2X	13.8KV/600V AC SWGR 2X TRANSFORMER	KEO	702	A, B, C, D, E
K2	ELK	TN	0201	TERM BOX TB-201	KEO	683	A, B, C, D, E
K2	ELK	TN	0202	TERM BOX TB-202	KEO	683	A, B, C, D, E
K2	ELK	TN	0203	TERM BOX TB-203	KEO	675	A, B, C, D, E
K2	ELK	TN	0227	TERM BOX TB-227	KEO	683	A, B, C, D, E
K2	GA	HX	0001	GEN AIR COOLER 1	KEO	667	A, B, C, D, E
K2	GA	HX	0002	GEN AIR COOLER 2	KEO	667	A, B, C, D, E
K2	GA	HX	0003	GEN AIR COOLER 3	KEO	667	A, B, C, D, E
K2	GA	HX	0004	GEN AIR COOLER 4	KEO	667	A, B, C, D, E
K2	GA	HX	0005	GEN AIR COOLER 5	KEO	667	A, B, C, D, E
K2	GA	HX	0006	GEN AIR COOLER 6	KEO	667	A, B, C, D, E
K2	GBO	HX	0001	TURB GUIDE BRNG OIL COOLER	KEO	667	A, B, C, D, E
K2	GBO	LS	63TA	TURB GUIDE BRNG OIL LEVEL SWITCH (2GBOLT0001)	KEO	675	A, B, C, D, E
K2	GBO	LS	63TB	TURB GUIDE BRNG OIL LEVEL SWITCH (2GBOLT0002)	KEO	675	A, B, C, D, E
K2	GBO	PU	088A	AC BRNG OIL PUMP (88A)	KEO	667	A, B, C, D, E
K2	GBO	PU	088D	DC BRNG OIL PUMP (88D)	KEO	667	A, B, C, D, E
K2	GCS	CA	SS2A	GOVERNOR SPEED CONTOL CABINET SS2A	KEO	667	A, B, C, D, E
K2	GCS	CA	SS2B	GOVERNOR SPEED CONTOL CABINET SS2B	KEO	667	A, B, C, D, E
K2	GEN	GN	0001	KEOWEE UNIT 2 GENERATOR	KEO	683	A, B, C, D, E
K2	GEN	PC	GPC2	GEN POT CUBICLE UNIT 2 (1 PER PHASE)	KEO	702	A, B, C, D, E
K2	GEN	PL	BPC2	BUS POT CUBICLE UNIT 2 (1 PER PHASE)	KEO	702	A, B, C, D, E
K2	GEN	PL	NEUCUB	NEUTRAL CUBICLE 2	KEO	683	A, B, C, D, E
K2	HPO	HX	0001	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0002	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0003	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0004	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0005	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0006	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0007	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0008	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	LS	63BLH	LEVEL SWITCH (2HPOLS0001)	KEO	683	A, B, C, D, E
K2	HPO	LS	63BLL	LEVEL SWITCH (2HPOLS0002)	KEO	683	A, B, C, D, E

Attachment 1

Oconee Unit 2, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K2	HPO	PU	88HA	AC GEN HP LIFT PUMP (88HA)	KEO	675	A, B, C, D, E
K2	HPO	PU	88HD	DC GEN HP LIFT PUMP (88HD)	KEO	675	A, B, C, D, E
K2	MT	PS	0009	TURB PIT PRESS SWITCH	KEO	675	A, B, C, D, E
K2	MT	TR	0001	KEOWEE UNIT 2 TURBINE	KEO	683	A, B, C, D, E
K2	OG	TK	0001	GOVERNOR ACTUATOR	KEO	683	A, B, C, D, E
K2	OG	TK	0002	GOVERNOR OIL SUMP TANK	KEO	683	A, B, C, D, E
K2	OG	TK	0003	GOVERNOR OIL PRESS TANK	KEO	683	A, B, C, D, E
K2	PMG	DT	MPU1A	SPEED CONTROL MAGNETIC PICKUP 1A	KEO	667	A, B, C, D, E
K2	PMG	DT	MPU1B	SPEED CONTROL MAGNETIC PICKUP 1B	KEO	667	A, B, C, D, E
K2	PMG	DT	MPU1C	SPEED CONTROL MAGNETIC PICKUP 1C	KEO	667	A, B, C, D, E
K2	TS	LS	63SA	TURB SUMP LEVEL SWITCH (2TSLS0001)	KEO	675	A, B, C, D, E
K2	TS	LS	63SB	TURB SUMP LEVEL SWITCH (2TSLS0002)	KEO	675	A, B, C, D, E
K2	TS	PU	88SA	AC SUMP PUMP (88SA)	KEO	675	A, B, C, D, E
K2	TS	PU	88SD	DC SUMP PUMP (88SD)	KEO	675	A, B, C, D, E
K2	WL	VA	0011	GEN COOL ISOL VALVE (2WL-11)	KEO	683	A, B, C, D, E

Attachment 2

Oconee Unit 2, SWEL-1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	DA	TK	000C	DIESEL STARTING AIR TANK C	SSF	777	B,C
0	EL	CA	SYTC1	SWYD TERMINAL CABINET 01	SYD	770	A, B, C, D, E
0	EL	SH	B1T05	SK1 CT4 TO STDBY BUS 1 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	TF	0CT4	XFMR CT-4	BH3	796	A, B, C, D, E
0	FO	TK	0003	SSF DIESEL OIL DAY TANK	SSF	777	B,C
0	SSF	BA	DCSF	DCSF SSF NORMAL BATTERY	SSF	777	A, B, C, D, E
0	SSF	MX	XSF	MCC XSF(600V)	SSF	777	A, B, C, D, E
0	SSF	SH	OTS1	OTS1 SSF ESSENTIAL SWGR 4160V	SSF	777	A, B, C, D, E
0	SYD	BC	SY2	230KV SWYD BATTERY CHARGER SY2	SYD	770	A, B, C, D, E
0	SYD	BD	RB02	SWITCHYARD RELAY BOARD RB02	SYD	770	A, B, C, D, E
0	SYD	BD	RF17	SWITCHYARD RELAY BOARD RF17	SYD	770	A, B, C, D, E
0	SYD	BD	SRF17	SWITCHYARD RELAY BOARD SRF17	SYD	770	A, B, C, D, E
0	SYD	BK	PCB08	230KV AC POWER CIRCUIT BREAKER 08 (PCB-08)	SYD	770	A, B, C, D, E
0	SYD	PL	DYC	DC PANELBOARD C	SYD	770	A, B, C, D, E
0	SYD	PL	DYE	DC PANELBOARD E	SYD	770	A, B, C, D, E
0	SYD	PL	SYDC1	SWITCHYARD DISTRIBUTION CENTER 1	SYD	770	A, B, C, D, E
0	SYD	TF	RBPT	RED BUS POTENTIAL TRANSFORMER (EGPS)	SYD	770	A, B, C, D, E
0	VS	AH	0042	AHU 0-42 HEATING AND A/C SSF BUILDING	SSF	817	B,C
0	VS	AH	0044EX6	SSF ON LINE EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	DA	CD01	SSF CONSTANT VENTILATION (VS-AH-0044EX1) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	PS	SSFPS03	SSF ON-LINE VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	TT	SSFCT2	HVAC TEMPERATURE CONTROLLER (FOR SSF-CP-1)	SSF	822	A, B, C, D, E
2	BAG	BD	2AB1	CONTROL BOARD 2AB1	AB	822	A, B, C, D, E
2	BAG	BD	2UB1	CONTROL BOARD 2UB1	AB	822	A, B, C, D, E
2	BS	PS	0021	RB PRESS HI (ES CH 8) TRAIN B	AB	809	E
2	BS	VA	0001	RB SPRAY HEADER 2A ISOLATION	AB	809	E
2	C	DM	000B	POLISHING DEMINERALIZER 2B	TB	775	D
2	C	LT	0015A	UST 2B LEVEL	TB	838	D
2	C	PS	0036	UST MAKEUP LEVEL CONTROL (PS-36)	TB	838	D
2	C	PU	0020	HOLDING PUMP 2B	TB	775	D
2	C	TK	000C	UPPER SURGE TANK DOME	TB	838	D
2	C	VA	0192	HOTWELL NORMAL MAKEUP CONTROL	TB	775	D
2	CF	TK	000A	CORE FLOOD TANK 2A	RB	797	B, D
2	CRD	CA	CC1	DCRDCS CONTROL CABINET CC-1	AB	809	A
2	CRD	CA	CC6	DCRDCS CONTROL CABINET CC-6	AB	809	A
2	EHC	CA	EHC1	EHC CAB 2EHC1	AB	809	D
2	EL	BA	2CA	CONTROL BATT 2CA	AB	809	A, B, C, D, E
2	EL	BA	2PA	PWR BATT 2PA	TB	796	A, B, C, D, E
2	EL	BC	2CA	CONTROL BATT CHGR 2CA	AB	796	A, B, C, D, E
2	EL	BC	2PA	PWR BATT CHGR 2PA	TB	796	A, B, C, D, E
2	EL	BI	2DIA	120V STATIC INV 2DIA	AB	796	A, B, C, D, E
2	EL	BK	2A	240/120V 2A REGULATOR OUTPUT BKR	AB	796	A, B, C, D, E
2	EL	CA	2AT3	AREA TERM CAB 2AT3	AB	809	A, B, C, D, E
2	EL	CA	2EF6	ELECTRICAL BOARD 2EF6	AB	822	A, B, C, D, E

Attachment 2

Oconee Unit 2, SWEL-1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	EL	DI	2ADA	ISOL DIODE ASSEMBLY 2ADA	AB	796	A, B, C, D, E
2	EL	IR	MC12	INSTRUMENT RACK 2MC-12	TB	796	D
2	EL	LX	2X1	600V LC 2X01	TB	796	A, B, C, D, E
2	EL	LX	2X2	600V LC 2X02	TB	796	A, B, C, D, E
2	EL	MX	2XA	MCC 2XA	TB	796	D
2	EL	MX	2XC	MCC 2XC	TB	775	D
2	EL	MX	2XJ	600V MCC 2XJ	AB	809	D
2	EL	MX	2XL	MCC 2XL	AB	771	A, B, C
2	EL	MX	2XO	MCC 2XO	AB	796	A, B, C, D, E
2	EL	MX	2XSF	MCC 2XSF(600V)	SSF	817	A, B, C, D, E
2	EL	MX	2XSFA	MCC 2XSF(208V)	SSF	817	A, B, C, D, E
2	EL	PL	2DCA	125V DC 2DCA	AB	796	A, B, C, D, E
2	EL	PL	2EPSLP1	EPSL PANEL 2EPSLP1	AB	809	A, B, C, D, E
2	EL	PL	2KESP	KEOWEE EM START PANEL	AB	809	A, B, C, D, E
2	EL	PL	2SKL	120V PPB 2SKL	AB	809	A, B, C, D, E
2	EL	PL	2SKP	240/120V PPB 2SKP	ESV	797	A, B, C, D, E
2	EL	PL	HBP	UNIT 2 HEATER BLANKETING PANEL	TB	822	D
2	EL	PL	MFBMRP	MAIN FDR BUS MONITOR RLY PANEL	AB	809	A, B, C, D, E
2	EL	SH	2TC01	2TC BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
2	EL	SH	B1T12	BIT INSTRUMENTATION SECTION	BH1	796	A, B, C, D, E
2	EL	SX	2KUBKUP	BACKUP TRANSFER SWITCH 2KU	AB	796	A, B, C, D, E
2	EL	TF	2B	XFMR 2B (600V TO 240V)	AB	796	A, B, C, D, E
2	EL	TF	2XC	XFMR 2XC (600V TO 208V)	TB	775	A, B, C, D, E
2	EL	TN	1001	TERMINAL BOX TB-1001	TB	796	D
2	ES	CA	0003	ENGINEERED SAFEGUARDS ANALOG CABINET 3 (CHANNEL C)	AB	822	A, B, C, D, E
2	ES	CA	2ESTC2	ESFAS EVEN CH TERM CAB 2ESTC2	AB	809	A, B, C, D, E
2	ES	CA	2ESTC3	ESFAS EVEN/ODD TERM CAB 2ESTC3	AB	809	A, B, C, D, E
2	ESV	PU	0002	ESV Pump 2B	ESV	797	D
2	ESV	TF	0001	600/240/120V 2SKM POWER TRANSFORMER	ESV	797	D
2	ESV	TK	0002	ESV Receiver Tank 2B	ESV	797	D
2	FD	FT	0130	2B EFW HEADER FLOW	AB	783	D
2	FD	LT	0066	S/G 2A LEVEL	RB	777	D
2	FD	PS	1011	FWP 2A DISCH HDR PRESS SWITCH	TB	775	D
2	FD	VA	0218	PRESS REG TD PUMP SEALS	TB	775	D
2	FD	VA	0316	MDEFW PUMP 2B ISOLATION	AB	809	D
2	HP	VA	0031	RCP SEAL INJ FLOW CONTROL	AB	796	B
2	HPI	FT	0102	RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	AB	783	B
2	HPI	FT	0157	U2 RC MAKE UP PUMP FLOW	RB	777	B
2	HPI	HX	000A	LETDOWN COOLER 2A	RB	777	B
2	HPI	PL	0409	REMOTE STARTER ENCLOSURE FOR 2HP-409	AB	796	A,B,C
2	HPI	PS	0357	LETDOWN FLOW TEMP HIGH INTERLOCK	AB	783	B
2	HPI	PU	0002	HPI PUMP 2B	AB	758	A,B,C
2	HPI	PU	0005	SSF RC MAKEUP PUMP	RB	777	B
2	ICS	CA	0008	ICS CABINET 8	AB	822	A, B, C, D, E

Attachment 2

Oconee Unit 2, SWEL-1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
2	LP	VA	0003	LPI HOT LEG SUCTION	AB	758	D
2	LP	VA	0012	LPI COOLER 2A ISOLATION	AB	771	D
2	LPI	FT	0004P	LPI TRAIN 2B INJ FLOW TRANS (Powered by ICCM)	AB	809	D
2	LPI	PU	0003	2LPI PUMP C	AB	758	D
2	LPI	TE	0209	LPI COOLER 2B OUTLET TEMP (ICS Input)	AB	809	D
2	LPS	SV	0203	MOTOR DRIVEN EFDW PUMP MTR 2B COOLING WATER FLOW	TB	775	C
2	LPS	SV	1000	SOLENOID VALVE FOR 2LPSW-251	AB	783	D
2	LPS	VA	0004	LPI COOLER 2A ISOLATION VALVE	AB	783	D
2	MS	PT	1006	AFIS ANALOG CHANNEL 3 - 2A S/G HDR PRESSURE	TB	796	D
2	MS	VA	0016	MAIN STEAM SAFETY RELIEF	AB	809	D
2	MS	VA	0040	FWPT 2A STOP VALVE (MS-40/SV12)	TB	775	D
2	MS	VA	0093	TDEFW MS ISOLATION VALVE	TB	775	D
2	N	TK	0004	NITROGEN SUPPLY FOR 2FDW-315 & 2FDW-316	AB	838	D
2	N	TK	0005	NITROGEN SUPPLY FOR 2MS-87	TB	796	D
2	RBC	HX	000AAUX	AUX RBCU A	RB	844	E
2	RC	LT	0123	2A RCS HOT LEG LVL (ICCM A)	AB	809	B
2	RC	PT	0166P	RCS LOOP B PRESS TRANS	RB	825	C
2	RC	PT	0225	U2 RC LOOP A PRESSURE	RB	817	C,D
2	RC	RD	0043A	PRZ RTD	RB	808	B,C
2	RC	RD	0084A	REACTOR OUTLET LOOP 2A	RB	844	C,D
2	RC	SV	0229	CONTROLS POST ACC. SAM. VLV(2RC-179)	AB	758	A
2	RC	VA	0005	PRZ STEAM SAMPLE ISOLATION	RB	808	B
2	RPS	CA	A2	RPS CABINET 2A2	AB	822	A, B, C, D, E
2	SSW	VA	0139	CCWP Seal Water Reg. Valve	INT	796	D
2	SSW	VA	0155	ESV Pump Seal Supply Valve	ESV	797	D
2	TO	PU	0022	EFWPT AUX OIL PUMP	TB	775	C
K0	ELK	TF	0001	MAIN TRANSFORMER	KEO	702	A, B, C, D, E
K1	CO	SV	20P2	GEN 1 CO2 CYL RELEASE VALVE (MAIN BANK)	KEO	702	A, B, C, D, E
K1	ELK	BA	KB1	BATT BANK 1	KEO	675	A, B, C, D, E
K1	ELK	BD	CB01	CONTROL BOARD 01	KEO	688	A, B, C, D, E
K1	ELK	CA	1MTC1	U1 MISC TERM CAB 1MTC1	KEO	675	A, B, C, D, E
K1	ELK	MX	1XA	600V AC MCC 1XA	KEO	683	A, B, C, D, E
K1	ELK	TN	0109	TERMINAL BOX 109	KEO	683	A, B, C, D, E
K1	OG	TK	0003	GOVERNOR OIL PRESS TANK	KEO	683	A, B, C, D, E
K1	PM	DT	MPU1A	SPEED CONTROL MAGNETIC PICKUP 1A	KEO	667	A, B, C, D, E
K1	WL	VA	0011	GEN COOL ISOL VALVE (1WL-11)	KEO	683	A, B, C, D, E
K2	ELK	BC	KC2	BATT CHARGER 2 (KC-2)	KEO	675	A, B, C, D, E
K2	ELK	CA	2MTC1	U2 MISC TERM CAB 2MTC1	KEO	675	A, B, C, D, E
K2	ELK	PL	2DA	125V DC DIST CENTER 2DA	KEO	675	A, B, C, D, E
K2	ELK	TN	0203	TERM BOX TB-203	KEO	675	A, B, C, D, E
K2	GA	HX	0003	GEN AIR COOLER 3	KEO	667	A, B, C, D, E
K2	HPO	PU	88HA	AC GEN HP LIFT PUMP (88HA)	KEO	675	A, B, C, D, E
K2	TS	LS	63SB	TURB SUMP LEVEL SWITCH (2TSLS0002)	KEO	675	A, B, C, D, E

Attachment 3

Oconee Unit 2, SWEL-2 , Base-2 and Rapid Drawdown List

EQ. ID	Description	Sys	EQ. Class	BLDG	Col #	Elev	Room #	Safety Function
0SFPU0001	A SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFPU0002	B SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFPU0004	BWST Recirculation Pump	SF	06/Vertical Pump	Aux. Building	T-74	783' 9"	218	SF Pool Cooling
0SFPU0006	C SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFHX000A	A SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-74	783' 9"	218	SF Pool Cooling
0SFHX000B	B SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-74	783' 9"	218	SF Pool Cooling
0SFHX000C	C SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFFL000A	A SF Filter	SF	21/Tanks Heat Exchanger	Aux Building		783'	219	SF Pool Cooling
0SFFL000B	B SF Filter	SF	21/Tanks Heat Exchanger	Aux Building		783'	219	SF Pool Cooling
0SFDM0001	SF Demin	SF	21/Tanks Heat Exchanger	Aux Building		783'	219	SF Pool Cooling

Attachment 4

Oconee Unit 2, SWEL-2 List

EQ. ID	Description	Sys	EQ. Class	BLDG	Col #	Elev	Room #	Safety Function
0SFPU0001	A SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFPU0002	B SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFPU0006	C SF Pump	SF	05/Horizonal Pump	Aux. Building	T-73	783' 9"	218	SF Pool Cooling
0SFHX000A	A SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-74	783' 9"	218	SF Pool Cooling
0SFHX000B	B SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-74	783' 9"	218	SF Pool Cooling
0SFHX000C	C SF Cooler	SF	21/Heat Exchanger	Aux. Building	T-73	783' 9"	218	SF Pool Cooling

Enclosure 3

Unit 3 Seismic Walkdown Report
(NRC 50.54 (f) NTTF Recommendation 2.3)

Executive Summary

Electric Power Research Institute (EPRI) Report 1025286, Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic was issued in June 2012. This Document provides guidance and procedures to perform seismic walkdowns as required by the U.S. Nuclear Regulatory Commission's (NRC's) 50.54(f) letter regarding Near-Term Task Force (NTTF) Recommendation 2.3: Seismic. The EPRI guidance covers selection of personnel; selection of a sample of structures, systems, and components (SSCs) that represent diversity of component types and assures inclusion of components from critical systems / functions; conduct of the walkdowns; evaluation of potentially adverse conditions against the plant seismic licensing basis; and reporting requirements. It also includes check lists to be used by the Seismic Walkdown Engineers (SWEs) in performing the seismic walkdowns and walk-bys. Duke Energy committed to implement resolution of Near-Term Task Force (NTTF) Recommendation 2.3: Seismic using EPRI Report 1025286 in a letter to the NRC dated 7/9/2012.

1. Seismic Licensing Basis

The seismic design basis for SSCs at Oconee nuclear station are defined in Section 3.7 of the UFSAR. Due to the vintage of Oconee nuclear station, some seismic terminology is not consistent with current terminology. The Operating Basis earthquake (OBE) is also referred to as the Design Basis earthquake (DBE) and the Safe Shutdown earthquake (SSE) is also referred to as the Maximum Hypothetical Earthquake (MHE).

1.1. Response Spectra

The seismic spectrum response curves for Oconee were generated by the time history technique of seismic analysis. The sample earthquake utilized is that recorded at El Centro, California, N-S, May 18, 1940. The Peak Ground Acceleration (PGA) for the Design Basis earthquake (DBE) is 0.05g. The PGA for the Maximum Hypothetical earthquake (MHE) for Class 1 Structures founded on rock is 0.1g. The PGA for the Maximum Hypothetical Earthquake (MHE) for Class 1 Structures founded on overburden is 0.15g.

1.2. Seismic Qualification

1.2.1. Seismic Qualification of Safety-Related Mechanical Equipment

When the response spectra at each elevation in the building have been determined, the G-loadings imposed on a component may then be determined. These loads are evaluated by the equipment supplier and in the case of complex components such as heat exchangers, the design calculations performed by the supplier are reviewed by B&W Engineering or Duke Energy, as applicable. The supplier has the freedom to use either of two alternate analytical methods to evaluate the equipment or he may choose to test it. Components maybe tested by either shaker or impact tests or a certification of the test results are required. In a few cases, a manufacturer's certification that the equipment would withstand seismic conditions is acceptable based on tests of similar equipment, an example of this would be similar type pumps. Analytically the evaluation can be made by calculating the natural frequency of the component, entering the appropriate damping curve and determining the amplification factor from the response spectrum curve. The equipment is then evaluated using these G-loadings. As an alternative, the component may be evaluated without calculating the natural frequency by using the peak amplification factor from the appropriate damping curve to determine

the equipment loads. This latter approach is conservative. Special attention is given to foundation and nozzle loadings for equipment such as tanks, pumps, heat exchangers, demineralizers and filters. Loads imposed by connecting piping on a given component are included and in some cases, component nozzles have had to be reinforced to accommodate these loads. Components which are most likely to require special reinforcement due to seismic loads, are long, horizontal, saddle mounted tanks, vertical tanks mounted on legs, and stacked heat exchangers. These have all been evaluated and appropriately designed for the seismic conditions. An alternate method of seismic qualification for mechanical equipment (within the applicable equipment classes) would be an experience based approach. Seismic adequacy can be established using methods described in the Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment, Revision 3A, developed by the Seismic Qualification Utility Group (SQUG). This method is also commonly known as SQUG.

1.2.2. Seismic Qualification of Safety-Related Electrical Equipment

The seismic design basis for instrumentation and electrical equipment is that the electrical devices considered essential in performing Reactor Protection and Engineered Safeguards functions and in providing emergency power shall be designed to assure that they will not lose their capability to perform intended safety functions during and following the Safe Shutdown Earthquake (SSE). This basic criteria has remained unchanged since the issuance of the operating license; however, the seismic qualification techniques and documentation requirements for various plant modifications have in many instances followed the advances in the state of the art.

The seismic adequacy of all electrical cable tray supports is established by the methods and criteria established for cable tray supports in the Generic Implementation Procedure (GIP-3A) for Seismic Verification of Nuclear Plant Equipment, Rev 3A, developed by the Seismic Qualification Utility Group (SQUG).

In order to meet the seismic design objectives defined in UFSAR Section 3.10.1, the following seismic evaluation methods were employed consistent with the applicable licensing commitment.

Testing

Devices may be qualified by either shaker or impact tests. A certification of the test results or copies of the test results are required. Additionally, a manufacturer's certification that a certain type of equipment would withstand the seismic conditions is acceptable based on previous testing/experience with similar equipment.

Analysis

Devices may also be qualified by analytical methods. For example, one evaluation method involves calculating/determining the natural frequency of the device, entering the appropriate response spectra damping curves, and determining the corresponding amplification factor. The device is then evaluated using this "G" loading value. Alternatively, the devices may be evaluated without calculating/determining its natural frequency by using the peak amplification factor from the appropriate response spectra damping curve to determine the "G" loading.

An alternate method of seismic qualification for electrical equipment (within the applicable equipment classes) would be an experience based approach. Seismic adequacy can be established using methods described in the Generic Implementation

Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment, Revision 3A, developed by the Seismic Qualification Utility Group (SQUG). This method is also commonly known as SQUG.

1.3. Response to generic letter 87-02

Generic Letter 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46," was issued because the NRC concluded that the seismic adequacy of certain equipment in operating plants must be reviewed against seismic criteria developed during the resolution of Unresolved Safety Issue (USI) A-46.

The NRC determined that it is not feasible to require older operating plants to meet new licensing requirements that were not in use when plants were licensed. Therefore, an alternative method was selected to verify the seismic capability of equipment. This alternative method used a compilation of existing earthquake experience data supplemented by test data as the basis to verify the seismic capability of equipment. Generic Letter 87-02 allowed the seismic verification to be accomplished by utilities through a generic program, and the Seismic Qualification Utility Group (SQUG) was formed. The SQUG developed a Generic Implementation Procedure (GIP) that documents the seismic verification process, procedures, and methodologies for verifying the seismic qualification of equipment and resolving USI A-46. Supplement 1 of Generic Letter 87-02 endorsed use of the GIP for the seismic qualification process and contained revised licensee actions. Oconee performed the seismic qualification process in accordance with the NRC enforced version of the GIP. In a Safety Evaluation Report, the NRC concluded that Oconee met the purpose and intent of the seismic qualification process and that the corrective actions and modifications provide sufficient basis to close the USI A-46 review at Oconee.

The seismic verification process is considered part of the seismic licensing basis for Oconee, so the seismic qualification criteria developed by the SQUG in response to Generic Letter 87-02 must be considered during mechanical and electrical equipment modifications.

1.4. Codes and Standards

The following codes, standards, and specifications were used during the design, construction, testing and in-service inspection of Class 1 Structures:

- ASME-1965 - Boiler and Pressure Vessel Code, Sections III, VIII, and IX
- AISC - Steel Construction Manual, 6th ed
- Regulatory Guide 1.92, Combining Responses And Spatial Components In Seismic Response Analysis, Revision 1, February 1976
- Regulatory Guide 1.29, Seismic Design Classification, Revision 3, September 1978
- Supplement No. 1 To Generic Letter (GL) 87-02 That Transmits Supplemental Safety Evaluation Report NO.2 (SSER NO. 2) On SQUG Generic Implementation Procedure Revision 2, As Correction On February 14, 1992 (GIP-2), May 22, 1992
- NRC Letter To SQUG Dated December 4, 1997. Supplemental Safety Evaluation Report NO. 3 (SSER NO. 3) On The Review Of Revision 3 To The Generic Implementation Procedure For Seismic Verification Of Nuclear Power Plant Equipment, Updated 5/16/97 (GIP-3)
- NRC Letter To SQUG Dated 6/23/99, Review Of Seismic Qualification Utility Group's Report on the use of Generic Implementation Procedure for New and Replacement Equipment and Parts

2. Personnel Qualifications

The personnel involved in the Oconee NTTF Recommendation 2.3 Seismic Walkdown effort met the qualification requirements of EPRI 1025286. The personnel responsibilities and qualifications are outlined in TABLE 2.1 below. (Note: PE=Professional Engineer, CLB=Current License Basis, SWEL= Seismic Walkdown Equipment List)

Table 2.1

Personnel	Degree	Years of Experience	Relevant Qualifications	Seismic walkdowns	SWEL Development	CLB Reviews	Peer Reviews
Russell Childs (Duke Energy)	BS/Civil Engineering	30	PE, SCE(1), SWE(2), IPEEE(6)		X(3)	X	
Ray Mc Coy (Duke Energy)	BS/Civil Engineering	32	PE,SCE			X	
Bob Hester (Duke Energy)	BS/Civil Engineering	36	PE,SCE			X	
Paul Mabry (Duke Energy)	BS/Nuclear Engineering	27	SRO(4), STA(5)		X		
Tommy Loflin (Duke Energy)	AS/Electrical Engineering	35+	SRO(4)		X		
Jim Weir (Duke Energy)	BS/Mechanical Engineering	31	SWE(2), SFC SYS ENG		X		
Charles M. Conselman (ARES)	BS/Civil Engineering	28	PE,SCE(1), SWE (2)	X(3)			
James White (ARES)	BS/Civil Engineering	42	PE,SCE(1), SWE (2)	X(3)			
John North (ARES)	BS/Civil Engineering	28	PE,SWE(2)	X(3)			
Mike Donnelly (ARES)	BS/Civil Engineering	4	SWE(2)	X			
Anthony Fazio (Shaw)	BS/Chemical Engineering	40+	SWE(2)	X			
John Spizuoco (Shaw)	BS/Mechanical Engineering	44	PE,SCE(1), SWE(2)	X			
Arthur Richert (Shaw)	BS/Mechanical Engineering	32	PE,SWE(2)	X			
Paul Baughman (ARES)	BS/Civil Engineering	>40	PE,SCE(1), SWE (2)				X(3)
George Bushnell (Shaw)	BS/Mechanical Engineering	>40	PE,SCE(1), SWE (2)				X
Robert L. Keiser (Duke Energy)	MS/Civil Engineering	>20	PE,SCE(1), SWE (2)				X

NOTES:
1) Seismic Capability Engineers (SCEs) who have successfully completed EPRI Experience Based Seismic Evaluation training.
2) Seismic Walkdown Engineers (SWEs) have successfully completed EPRI 1025286 2 day walkdown training course.
3) Senior Team Member.
4) Prior Senior Reactor Operator (SRO).
5) Prior Shift Technical Advisor
6) IPEEE seismic Walkdown Coordinator and current A-46/IPEE Program Owner (SQUG)

3. Selection of SSCs

The Oconee Unit 3 SWEL-1 and SWEL-2 equipment selection was performed in accordance with the EPRI guidance outlined in EPRI Technical Report #1025286. SWEL-1 represents a

sample of items to safely shut down the reactor and maintain containment integrity. SWEL-2 represents spent fuel pool related items.

The Oconee USI A-46/IPEEE Safe Shutdown Equipment List (SSEL) was used as the basis for the Base-1 equipment list. The scope of the Seismic Walkdown Equipment List (SWEL) is limited to SSCs that are classified as Seismic Category I. This is done such that items have a defined seismic licensing basis against which to evaluate the as-installed configuration. Oconee is a USI A-46 plant. The purpose of the USI A-46 program was to verify the seismic adequacy of essential equipment in older operating plants that had not been qualified in accordance with more recent criteria. Many of the SSC's listed in the USI A-46/IPEEE Safe Shut down Equipment List (SSEL) are not category I. However, Oconee programmatically maintains the seismic capability of these components. Therefore, for the purpose of developing the SWEL all USI A-46/IPEEE components are considered to have a seismic licensing basis.

The A-46/IPEEE SSEL effectively represents the output of EPRI guidance equipment Screening criteria's #1, #2 and #3. The underlying data used to generate the Base-1 list is contained in an ACCESS database. This ACCESS database was used to generate the Base-1 Equipment List from which the SWEL-1 was selected. The equipment comprising the Base-1 equipment list is contained in Attachment 1. Their individual Safety Function is identified as shown below. Some components support more than one safety function.

A. Reactor reactivity control
B. Reactor coolant pressure control
C. Reactor coolant inventory control
D. Decay heat removal
E. Containment function

The Base-1 Equipment List is comprised of 2264 components from Oconee Units 1, 2 & 3 & components that support all 3 Units (Common). The Base-1 Equipment list is contained in Attachment 1.

3.1. SWEL-1 Development

EPRI TN-1025286 specifies that the SWEL-1 should be comprised of between 90-120 components and that each unit should have its own individual SWEL-1.
357 of the Base-1 components are Common components that support all 3 units. In order to account for these common components, ~10% (39 items) of the base-1 common components were selected as SWEL-1 components. All of the 39 common components are considered to be part of each individual unit's SWEL-1.

The Unit 3 SWEL-1 consists of 131 components. Of these 131 components, 39 are common components which are also represented in each individual unit's SWEL-1. Attachment 2 contains the SWEL-1 components for Unit 3. The criteria for selection of equipment to be included in the SWEL are described in EPRI TN-1025286 section 3.

Screen #4 -- Sample Considerations -
Five sample selection attributes that should be represented in SWEL 1:

- A variety of types of systems
- Major new and replacement equipment
- A variety of types of equipment
- A variety of environments
- Equipment enhanced due to vulnerabilities identified during the IPEEE program

In addition to the five sample considerations listed above, the equipment selected for the SWEL-1 should include considerations of the contribution to Risk for the SSC's and should also include a review by appropriate Operations personnel.

SWEL-1 Systems -
The SWEL-1 equipment list represents 24 systems associated with the 5 safety functions.

SWEL-1 Types of Equipment -
The SWEL-1 list contains representative equipment from all equipment classes with the following exceptions.

- There are no equipment Class 11 (Chillers), Class 12 (Air Compressors) or Class 13 (Motor - Generators) components on the Unit 3 SWEL-1 list because they are not represented in the Base-1 list.
- There are no equipment class 17 (Engine - Generators) on the Unit 3 SWEL-1. The Standby Shutdown Facility (SSF) Diesel Engine (16 Cylinder) (0SSFDE000A) is listed on the Base-1 list. However, it was not selected as part of the SWEL-1 due to its inherently robust nature and the very low seismic input at its location.

SWEL-1 Equipment locations -
The SWEL-1 equipment list includes equipment located in a broad variety of areas and environments. These areas comprise multiple buildings and elevations and include equipment located both inside and outside. The equipment areas provide a broad range of equipment environmental conditions, which include:

- Mild environmental conditions with limited temperature and humidity variations (e.g. Control Room, Cable Rooms, Equipment Rooms, SSF Electrical Room, RelayHouse, etc.)
- Moderate environmental conditions (e.g. general areas of the Auxiliary Building, East & West Penetration Rooms, SSF Diesel Room, SSF Battery Room, Control Room Ventilation Rooms, etc.)
- Moderate to harsh environmental conditions (e.g. LPI/BS/HPI Pump Rooms, LPI Cooler Room, etc.)
- Harsh environmental conditions (e.g. Inside RB Containment, etc.).
- Partial exposure to outdoor environmental conditions (e.g. Switchyard, Intake Structure)
- Wet environments (Keowee Turbine Wheel Pit)

SWEL-1 Major New and Replacement Equipment -
In order to capture significant new and replacement equipment on the SWEL-1, a query was written which related the Base-1 equipment list to underlying data supporting Engineering Changes in the Duke Energy Nuclear Asset Suite Software (NAS). By doing this, a list EC's associated with all components on the Base-1 equipment list was generated. Editorial and minor modifications were then filtered out of the list. The following New and Replacement Equipment have been included in the Unit 3 SWEL-1.

Equip ID No.	Name	Engineering Change	MOD Description
3CLT0036	UST 3A LEVEL	EC0000072624	NSM ON-33098/00/00/AK1 - UPPER SURGE TANK INVENTORY PROTECTION
3CCWVA0268	SSF ASW PUMP DISCH ISOL	EC0000098122	OD301663 - REPLACE ROTORK OPER. WITH LIMITORQUE 3CCW-EV-268.

Equip ID No.	Name	Engineering Change	MOD Description
3CRDCACC2	DCRDCS CONTROL CABINET CC-5	EC0000068373	NSM ON-33032/00/00/DL1 - (REFURB) REPLACE CRDM CONTROL SYSTEM
3CRDCACC5	DCRDCS CONTROL CABINET CC-5	EC0000068373	NSM ON-33032/00/00/DL1 - (REFURB) REPLACE CRDM CONTROL SYSTEM
3ELBC3CA	CONTROL BATT CHGR 3CA	EC0000091859	EC91859 - BKUP PWR-U3 PRESR.HTR AND BAT CHRG 3CA & 3CB FRM PSW
3ELLX3X2	600V LC 3X02	EC0000108414	REPLACE 3X2 TRANSFORMER
3ESCA3ESTC1	ESFAS ODD CH TERM CAB 3ESTC1	EC0000077069	OD300070 - (REFURB) UNIT 3 ESFAS REPLACEMENT MODIFICATION
3ESVPL0001	UNIT 3 ESV LOCAL CONTROL PANEL	EC0000049837	NSM ON-43000/00/00/BL1 - OCONEE SERVICE WATER
3ESVTF0003	600/240/120V 3SKN POWER TRANSFORMER	EC0000049837	NSM ON-43000/00/00/BL1 - OCONEE SERVICE WATER
3HPIEP0075	RCP SEAL INJECTION FLOW	EC0000105844	FABRICATE COVER FOR BAILEY RP1211 E/P CONVERSION
3HPIHX000B	LETDOWN COOLER 3B	EC0000104674	ALLOW FOR REPLACEMENT OF 1/2/3 HPI HX 000A/000B (LETDOWN COOLERS)
3HPIHX000B	LETDOWN COOLER 3B	EC0000091493	OE300846 - 3A AND 3B LETDOWN COOLER REPLACEMENT
3LPIPU0001	3LPI PUMP A	EC0000096420	OD301990 - REPLACE LPI PUMP CYCLONE SEPARATOR & SEAL ORIFICES
3PPSCA001	RPS A/ES A1	EC0000077069	OD300070 - (REFURB) UNIT 3 ESFAS REPLACEMENT MODIFICATION
3PPSCA012	ES VOTER ODD	EC0000077070	OD300071 - (REFURB) UNIT 3 RPS REPLACEMENT MODIFICATION
3PPSCA018	ES STATUS EVEN	EC0000077069	OD300070 - (REFURB) UNIT 3 ESFAS REPLACEMENT MODIFICATION
3RBCHX000A	RB COOLING UNIT 3A	EC0000092953	OE501326 - UNIT 1, 2 & 3 RBCU COOLING COIL REPLACEMENT.
3RCLT0004P1	PRZ LEVEL TRANSMITTER	EC0000089713	OD300444 - (REFURB) UNIT 3 CR AND PLANT CHART REC UPGRADE
3RCLT0123	3A RCS HOT LEG LVL (ICCM A)	EC0000089713	OD300444 - (REFURB) UNIT 3 CR AND PLANT CHART REC UPGRADE
3RCPT0022P	RC PRESS XMTR (ES CH B)	EC0000077069	OD300070 - (REFURB) UNIT 3 ESFAS REPLACEMENT MODIFICATION
3RCPT0226	U3 RC LOOP B PRESSURE	EC0000090684	OD300615 - REPLACE SSF CONTROL CONSOLE INDICATORS AND RCS PTS
3VSAH0014	AHU-3-14	EC0000100113	REPLACE UNIT 3 CONTROL ROOM AHU 3-14

Oconee revised the modification process at the completion of the A-46/IPEEE programs to require plant modifications to evaluate impact to A-46/IPEEE components to ensure that the seismic capability of A-46/IPEEE components was not degraded

Current site projects such as Protected Service Water (PSW) which are not operational and not currently credited within the Current Licensing Basis of Oconee are not within the scope of the SWEL-1.

SWEL-1 Equipment Enhanced per IPEEE -

Significant IPEEE enhancements associated with the Base-1 equipment list as reported in the IPEEE submittal dated 12/15/1997 were identified. SWEL-1 SSCs were selected such that a sampling of SSCs which had been enhanced per IPEEE was included. The following SWEL-1 SSCs were enhanced due to IPEEE.

Equip ID No.	Name	Engineering Change	MOD Description
3ELBA3CA	CONTROL BATT 3CA	ONOE-13462	Add anchorage to AHU 3-31.
3ELBK3A	240/120V 3A REGULATOR OUTPUT BKR	ONOE-13992	Add bracing to unistrut frame supporting 3A/1B/SW, 3A/MCB, 3B/MCB, 3A/REG, 3B/REG, 3A/XFMR & 3B/XRMR.
3ELCA3TTC4	TURB TERM CAB 3TTC4	ONOE-13557	Enhance existing anchorage for 3TTC4.
3ELMX3XAA	208V MCC 3XA-A	ONOE-13560	Enhance existing anchorage for 3XA-A.
3ELMX3XGB	MCC 3XGB	ONOE-15068	Enhance existing anchorage of 3XGB.
3ELMX3XT	MCC 3XT	ONOE-15556	Add shims or move MCC 3XT.
3VSAH0014	AHU-3-14	ONOE-15561	Provide lateral & vertical seismic restraints to 3VSAH0014.
3ELPL3EPSLP2	EPSL PANEL 3EPSLP2	ONOE-12245	Revise OM-1393-0008 to reflect that anchorage for 1 & 2 ESTC1,2 & 3 is addressed in OSC-208.

SWEL-1 Risk Considerations -
EPRI TN-1025286 requires that the development of SWEL 1 should include consideration of the importance of the contribution to risk for the SSCs.

In response to IPEEE, Oconee utilized the results of seismic margin methodology walkdowns to enhance the existing seismic PRA. These results are documented in OSC-10225 "Seismic PRA/IPEEE Backup Calculations" and summarized in the Supplemental IPEEE submittal Report. From the conclusions presented in the Supplemental IPEEE submittal Report, PRA sequences involving loss of power and SSF response make up several of the most dominate PRA cut sets. SSC's supporting Keowee, the SSF and the 230 Kv switchyard are well represented in the SWEL-1.

In addition, input was obtained from the General Office PRA group to determine a ranking of the most seismically risk significant components.

Of the 31 unscreened PRA events with a contribution to CDF of greater than 0%, 19 are represented in the combined SWEL-1's for Units 1, 2 &3. This represents 61% of PRA risk significant components and meets the intent of EPRI TN-1025286.

SWEL-1 Operations review -
The SWEL-1 equipment listed was submitted to Oconee Operations for review as recommended within EPRI TN-1025286. Operations concurred with the equipment listed on the SWEL-1 list. The SWEL-2 equipment list was developed within the Oconee Engineering organization by a highly experienced engineer who had previously held a Senior Reactor Operators License (SRO) and was previously an Operations Shift Technical Advisor (STA).

3.2. SWEL-2 Development

The Oconee Unit 3 SWEL-2 spent fuel pool equipment list was developed in accordance with the EPRI guidance. Seismic Category I structures, piping, and containment penetrations were specifically excluded by the EPRI guidance. The four screening criteria specified were as follows:

1) Seismic Category I or USI A-46 (SQUG) licensing bases,
2) Spent Fuel Pool (SFP) equipment appropriate for an equipment walkdown process,
3) Sample considerations represent broad population of equipment with considered sample selection attributes such as:
   a. represent a variety of systems,
   b. major new/replacement equipment,

c. variety of equipment types,
d. variety of environments

4) Equipment which could result in rapid drain down of the SFP (includes both seismic and non-seismic components and similar factors outlined in 3) above.

The SWEL-2 equipment Base-2 (Attachment 3) was established based on screens #1 and #2 above. Equipment was selected from the Base-2 list based on screening criteria #3 above, and primarily included major equipment such as the spent fuel cooling system pumps, pump motor air handling units, and heat-exchangers.

The SWEL-2 list was further evaluated based on screening criteria #4 above, to include equipment which could result in SFP rapid drain-down, as defined by the EPRI guidance.

All three Oconee Unit's have SF Pool transfer tubes that open to the SF Pool in normal operation. The SSF RC Make-up and letdown lines penetrate into the SF Pool transfer tubes. The SSF Make-up and Letdown lines meet Seismic Category 1. There were also SF Pool discharge lines at valves SF22&50 and 3SF-22&50 that could meet the criteria for a rapid drain down due to a siphon if the SF Cooling pump discharge piping, which meets Seismic Category 1, were to fail outside the SF Pool. However, this vulnerability had previously been identified and procedure requirements prevent system alignment and thereby remove this vulnerability. For these reasons, there are no rapid draw down items on the SWEL-2.

The SWEL-2 components were selected based on their radiological accessibility. Of the 3 pumps identified in the SWEL-2 base list, 2 were included in the SWEL-2. Of the 7 Tanks identified in the SWEL-2 base list, 4 were included in the SWEL-2. This sampling is in accordance with EPRI TN-1025286.

The final SWEL-2 list is provided in Attachment 4.

4. Seismic Walkdowns and Area Walk-Bys

SWEL-1 SSCs which could only be accessed during an outage will be walked down by Duke Energy personnel and reported on at a later date. These SSCs are listed below.

Unit	Bldg	Equip ID No.	Name
3	RB	3FDWLT0082	SG 3A LEVEL TRANSMITTER
3	RB	3HPVA0004	LETDOWN ISOLATION
3	RB	3HPIFT0157	U3 RC MAKE UP PUMP FLOW
3	RB	3HPIHX000B	LETDOWN COOLER 3B
3	RB	3RBCAH0020C	RBCU FAN 3C
3	RB	3RBCHX000A	RB COOLING UNIT 3A
3	RB	3RCLT0004P1	PRZ LEVEL TRANSMITTER
3	RB	3RCPT0022P	RC PRESS XMTR (ES CH B)
3	RB	3RCPT0226	U3 RC LOOP B PRESSURE
3	RB	3RCRD0084A	REACTOR OUTLET LOOP 3A
3	RB	3RCVA0066	PRZ PORV
3	RB	3RCVA0159	RV VENT ISOLATION
3	RB	3SFTK0002	INCORE INST HANDLING TANK

Duke Energy contracted with the Shaw Group / ARES Corporation team to perform the majority of the NTTF 2.3 seismic walkdowns at Oconee Nuclear Station. A summary report of the walkdowns along with the individual Seismic Walkdown Checklists and the Area Walk-By

Checklists are contained in this report. The NTTF 2.3 Seismic Walkdown Report for Unit 1 is contained in Attachment 5. Items found to be inaccessible during this walkdown are addressed below.

Inaccessible SSCs -
Several Unit 3 SSC's were inaccessible due to their physical location or due to personnel safety concerns. These items are listed below.

Unit	Bldg	Equip ID No	Name
3	TB	3ELLX3X2	600V LC 3X02
3	AB	3ELLX3X8	600V LC 3X08
3	BH3	3ELSH3B1T02	RELAYS SECTION

The anchorage for one SSC was only partially visible due to some of the welds being covered by mortar spillage from an adjacent masonry wall. A station Work request has been written to clean the weld area and the welds will be evaluated at a later date. This Item and several other inaccessible items listed below are common to all 3 units but will be included in the Unit 1 update report.

Unit	Bldg	Equip ID No	Name
0	SYD	0SYDPLSYDC1	SWITCHYARD DISTRIBUTION CENTER 1
K1	KEO	K1PMGDTMPU1A	SPEED CONTROL MAGNETIC PICKUP 1A
K2	KEO	K2ELKTN0203	TERM BOX TB-203
K2	KEO	K2GAHX0003	GEN AIR COOLER 3
K2	KEO	K2HPOPU88HA	AC GEN HP LIFT PUMP (88HA)
K2	KEO	K2TSLS63SB	TURB SUMP LEVEL SWITCH (2TSLS0002)

An update to this report will be submitted by Sept 1, 2014. The update will provide the results associated with the Outage deferred items and the inaccessible items above. Associated Area Walk bys for the listed components will be completed in conjunction with the individual SSC's.

The concrete adjacent to the anchors for three SSCs listed below was not visible due to the installation of carpet. These items were given a status of Unknown in Appendix B to Attachment 5 of this report. The anchors for these SSC's were inspected as part of a major plant modification EC 0000077070 [OD300071 - (REFURB) UNIT 3 RPS Replacement Modification] and EC 0000077069 [OD300070 - (REFURB) UNIT 3 ESFAS Replacement Modification] which was installed on 4/30/12 during 3EOC26. The anchors were torqued per procedure and inspected per QC at that time. Therefore the condition of the concrete at the anchors is assured per this previous inspection.

Unit	Bldg	Equip ID No	Name
3	AB	3PPSCA0001	RPS A/ES A1
3	AB	3PPSCA0012	ES VOTER ODD
3	AB	3PPSCA0018	ES STATUS EVEN

5. Licensing Basis Evaluations

A total of 15 potential adverse conditions were identified per the Seismic Walkdowns and the Area walk-by's. All of these potential issues were entered into the Corrective Action Program (CAP). All potential adverse conditions were evaluated for their compliance with the seismic licensing basis within the CAP and were found to be acceptable. Station Work Requests were written for some conditions as good practice. The potential adverse conditions and their

individual Problem Investigation process (PIP) tracking numbers are listed in the NTTF 2.3 Seismic Walkdown Report for Unit 3 contained in Attachment 5.

6. IPEEE Vulnerabilities Resolution Report

Oconee submitted its response to IPEEE on 12/21/1995 & 12/15/1997. In those submittals, Oconee stated that there were no underlying significant sequences (vulnerabilities) from external events. There were also no plant changes identified that would significantly reduce risk from external events.

Table 6-1 of the IPEEE Submittal dated 12/15/1997 listed 152 enhancements. The enhancements identified have been completed by either Station Work Request, Plant Modification or Analysis.

Oconee is a USI A-46 plant and performed the USI A-46 walkdowns in conjunction with the IPEEE walkdowns. In Oconee's letter to the NRC dated 9/12/2002, Oconee confirmed that outliers associated with Generic Letter 87-02 (USI A-46) have been completed. Oconee performed the USI A-46 seismic evaluations in conjunction with the IPEEE evaluations. The criteria for both programs were conservatively enveloped such that an evaluation of a given component would address all aspects of both programs. IPEEE enhancements are a subset of the overall USI A-46 outliers. Therefore, implementation of the IPEEE enhancements is confirmed by the 9/12/2002 SQUG Outlier Resolution Completion Notice.

7. Peer Review

Duke Energy (Duke) contracted with the Shaw Group (Shaw) / ARES Corporation (ARES) Team to perform the NTTF 2.3 peer review at the Oconee Nuclear Station (ONS). The Peer Review Report is contained in Attachment 6.

The Peer Review Team consisted of three individuals, all of whom have seismic engineering experience as it applies to nuclear power plants. These individuals participated in the peer review of each of the activities. The members of the Peer review team and their qualifications are listed in table 2.1

The Peer Review team concluded that the Shaw/ARES methodology conforms to the guidance in Section 6 of EPRI 1025286. The peer review covered the following:

- The selection of the SSCs included on the Seismic Walkdown Equipment List (SWEL).
- A sample of the checklists prepared for the seismic walkdowns and area walk-bys.
- The licensing basis evaluations.
- The decisions for entering the potentially adverse conditions in the Corrective Action Program (CAP) process.
- The submittal report.

The peer review process for the SWEL development and the seismic walkdowns consisted of the following:

- Reviewing the activity guidance in EPRI 1025286, the NEI Q&A bulletins, the NEI first-mover reports, and NRC Temporary Instruction 2515/188.
- Conducting an in-process review at the plant site, including interviews with the personnel performing the activity and reviewing in-process documentation.

- Performing an in-plant surveillance (for the walkdown activity) of a seismic walkdown and an area walk-by.
- Providing in-process observations and comments to the personnel performing the activities.
- Conducting a final review of a sample of the completed documentation.

The peer review process for the licensing basis evaluations and the decisions for entering potentially adverse conditions into the CAP consisted of reviewing the overall review process and a sample of the licensing basis reviews. The peer review process for the submittal report consisted of reviewing the draft submittal prepared by Oconee Design Engineering for licensing review.

The conclusion of the peer review is that the ONS NTTF 2.3 seismic walkdown effort has been conducted in accordance with the guidance in EPRI 1025286. Comments made during the in-process review of the SWEL development and the walkdowns have been addressed satisfactorily. In-process comments on the final walkdown reports, the licensing basis reviews, and the submittal have also been resolved.

REFERENCES:

1) UFSAR Section 3.2.1 Seismic Classification (Rev. 21)
2) UFSAR Section 2.5.1.2 Site Geology (Rev. 21)
3) UFSAR Sections 2.5.2.10, 2.5.2.11 SSE/OBE (Rev. 21)
4) UFSAR Section 3.7 Seismic Design (Rev. 21)
5) EPRI Report 1025286, Dated May 2012, Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force (NTTF) Recommendation 2.3 (ATTACHMENT 1).
6) Oconee NRC Response to GL 88-20, Individual Plant Examination of External Events (IPEEE) Submittal, dated Dec. 18, 1997, W. R. McCollum Jr. to NRC.
7) 7/9/12 correspondence to NRC from Ben C. Waldrep, "Response to NRC Request for Information Pursuant to 10 CFR 50.54(f) Regarding the Seismic Aspects of Recommendation 2.3 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident"

ATTACHMENTS:

1) Oconee Unit 3 SWEL-1 Base-1 List
2) Oconee Unit 3 SWEL-1
3) Oconee Unit 3 SWEL-2 Base-2 List and Rapid Drain Down List
4) Oconee Unit 3 SWEL-2
5) Seismic Walkdown Summary Report and Checklists
6) PEER Review Summary Report

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	CCW	CD	0001	SSF HVAC CONDENSER 1	SSF	817	B,C
0	CCW	CD	0002	SSF HVAC CONDENSER 2	SSF	817	B,C
0	CCW	PU	0001	AUX SERVICE WATER PUMP	AB	771	D
0	CCW	PU	0002	SSF AUX SERVICE WATER PUMP	SSF	754	D
0	CCW	PU	0003	HVAC SERVICE WTR PUMP 1	SSF	754	B,C
0	CCW	PU	0004	HVAC SERVICE WTR PUMP 2	SSF	754	B,C
0	CCW	PU	0005	SSF DIESEL WATER JACKET PUMP	SSF	754	B,C
0	CCW	PU	0010	SSF SUBMERSIBLE PUMP	SSF	796	B,C
0	DA	TK	000A	DIESEL STARTING AIR TANK A	SSF	777	B,C
0	DA	TK	000B	DIESEL STARTING AIR TANK B	SSF	777	B,C
0	DA	TK	000C	DIESEL STARTING AIR TANK C	SSF	777	B,C
0	DA	TK	000D	DIESEL STARTING AIR TANK D	SSF	777	B,C
0	DJW	HX	000A	SSF DJW HEAT EXCHANGER A	SSF	777	B,C
0	DJW	HX	000B	SSF DJW HEAT EXCHANGER B	SSF	777	B,C
0	EL	BS	4160CT4	4160V STANDBY BUS FDR FROM XFMR CT4 TO B1T & B2T	TB	796	A, B, C, D, E
0	EL	BS	CCTRENCH	CONTROL CABLE TRENCH (SWYD TO OCONEE)	SYD	770	A, B, C, D, E
0	EL	BS	UFCT4	UNDERGROUND FEEDER (KEOWEE TO CT4)	SYD	770	A, B, C, D, E
0	EL	CA	SYTC1	SWYD TERMINAL CABINET 01	SYD	770	A, B, C, D, E
0	EL	CA	SYTC12	SWYD TERMINAL CABINET 12	SYD	770	A, B, C, D, E
0	EL	CA	SYTC15	SWYD TERMINAL CABINET 15	SYD	770	A, B, C, D, E
0	EL	CA	SYTC17	SWYD TERMINAL CABINET 17	SYD	770	A, B, C, D, E
0	EL	CA	SYTC18	SWYD TERMINAL CABINET 18	SYD	770	A, B, C, D, E
0	EL	CA	SYTC19	SWYD TERMINAL CABINET 19	SYD	770	A, B, C, D, E
0	EL	CA	SYTC2	SWYD TERMINAL CABINET 02	SYD	770	A, B, C, D, E
0	EL	CA	SYTC3	SWYD TERMINAL CABINET 03	SYD	770	A, B, C, D, E
0	EL	CA	SYTC4	SWYD TERMINAL CABINET 04	SYD	770	A, B, C, D, E
0	EL	CA	SYTC5	SWYD TERMINAL CABINET 05	SYD	770	A, B, C, D, E
0	EL	CA	SYTC8	SWYD TERMINAL CABINET 08	SYD	770	A, B, C, D, E
0	EL	PL	CT4FSC	CT4 FAN SPEED CABINET	TB	796	A, B, C, D, E
0	EL	PL	DCSF	125 VDC POWER PNL BRD DCSF	SSF	777	A, B, C, D, E
0	EL	PL	DCSF1	125 VDC DISTRIBUTION CENTER DCSF-1	SSF	777	A, B, C, D, E
0	EL	PL	KSF	208/120VAC SSF VITAL PWR PNL (GRAY)	SSF	777	A, B, C, D, E
0	EL	PL	KSFC	120V PPB KSFC	SSF	777	A, B, C, D, E
0	EL	SH	ASWS	AUX SERV WATER SWGR (4160V) (1TD-0)	AB	771	A, B, C, D, E
0	EL	SH	B1T05	SK1 CT4 TO STDBY BUS 1 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B1T09	SL1 CT5 STDBY BUS 1 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B1T10	AUX SERVICE WATER SWGR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B2T05	SL2 CT5 STDBY BUS 2 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	B2T09	SK2 CT4 STDBY BUS 2 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	SH	DGSWGR	DIESEL GENERATOR SWITCHGEAR	SSF	777	A, B, C, D, E
0	EL	TF	0CT4	XFMR CT-4	BH3	796	A, B, C, D, E
0	EL	TF	0CT5	XFMR CT-5	YD	796	A, B, C, D, E
0	FO	PU	0005	SSF DIESEL ENGINE FUEL OIL TRANSFER PUMP	SSF	777	B,C
0	FO	TK	0003	SSF DIESEL OIL DAY TANK	SSF	777	B,C

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	FO	TK	0004	SSF DIESEL OIL STORAGE TANK	YD	785	B,C
0	HPS	PG	0012	JOCKEY PUMP DISCH. PRESS. GAGE	TB	775	B,C
0	HPS	PG	0013	HPSW PUMP B DISCH. PRESS. GAGE	TB	775	B,C
0	HPS	PG	0016	HPSW PUMP A DISCH. PRESS. GAGE	TB	775	B,C
0	HPS	PG	0224	HPSW PUMP A STRAINER DP GAGE	TB	775	B,C
0	HPS	PG	0225	HPSW PUMP B STRAINER DP GAGE	TB	775	B,C
0	HPS	PG	0226	JOCKEY PUMP STRAINER DP GAGE	TB	775	B,C
0	HPS	PU	0001	HPSW STANDBY PUMP A	TB	775	B,C
0	HPS	PU	0002	HPSW STANDBY PUMP B	TB	775	B,C
0	HPS	PU	0003	HPSW JOCKEY PUMP	TB	775	B,C
0	HPS	VA	0140	Seal Supply Reg. Valve	TB	775	B
0	HPS	VA	0147	Seal Supply Reg. Valve	TB	775	B
0	HPS	VA	0154	Seal Supply Reg. Valve	TB	775	B
0	LPS	FL	000A	LPSW PUMP A STRAINER	TB	775	D
0	LPS	FL	000B	LPSW PUMP B STRAINER	TB	775	D
0	LPS	FL	000C	LPSW PUMP C STRAINER	TB	775	D
0	LPS	PS	0097	A LPSW HDR PRESS #1	TB	775	D
0	LPS	PS	0098	A LPSW HDR PRESS #2	TB	775	D
0	LPS	PU	000A	LPSW PUMP A	TB	775	D
0	LPS	PU	000B	LPSW PUMP B	TB	775	D
0	LPS	PU	000C	LPSW PUMP C	TB	775	D
0	LPS	VA	0175	LPSW PUMP A SEAL FLOW REG	TB	775	D
0	LPS	VA	0182	LPSW PUMP B SEAL FLOW REG	TB	775	D
0	LPS	VA	0189	LPSW PUMP C SEAL FLOW REG	TB	775	D
0	NI	CA	0225	SSF NUCLEAR INSTRUMENTATION RACK	SSF	777	A, B, C, D, E
0	RCW	HX	000A	A RCW HEAT EXCHANGER	TB	775	D
0	RCW	HX	000B	B RCW HEAT EXCHANGER	TB	775	D
0	RCW	HX	000C	C RCW HEAT EXCHANGER	TB	775	D
0	RCW	HX	000D	D RCW HEAT EXCHANGER	TB	775	D
0	SSF	BA	DCSF	DCSF SSF NORMAL BATTERY	SSF	777	A, B, C, D, E
0	SSF	BA	DCSFS	DCSFS SSF STANDBY BATTERY	SSF	777	A, B, C, D, E
0	SSF	CA	0002	PZR HEATER CAB (SSF)SSF PRESSURIZER HEATER CABINET (PHC)	SSF	777	A, B, C, E
0	SSF	CA	0003	SSF PRESSURIZER HEATER CABINET (PHC1)	SSF	777	A, B, C, E
0	SSF	CA	IC1	SSF EOC SYS INTERCONN CAB IC1	SSF	797	A, B, C, D, E
0	SSF	CA	IC2	SSF EOC SYS INTERCONN CAB IC2	SSF	797	A, B, C, D, E
0	SSF	CA	MEC	MISC EQUIP CAB	SSF	797	A, B, C, D, E
0	SSF	DE	000A	SSF DIESEL ENGINE B (16 CYL)	SSF	777	A, B, C, D, E
0	SSF	MX	XSF	MCC XSF(600V)	SSF	777	A, B, C, D, E
0	SSF	PL	SSFCP	SSF CONTROL PANEL	SSF	797	A, B, C, D, E
0	SSF	SH	OTS1	OTS1 SSF ESSENTIAL SWGR 4160V	SSF	777	A, B, C, D, E
0	SYD	BA	SY1	230KV SWYD BATTERY #SY1	SYD	770	A, B, C, D, E
0	SYD	BA	SY2	230KV SWYD BATTERY #SY2	SYD	770	A, B, C, D, E
0	SYD	BC	SY1	230KV SWYD BATTERY CHARGER SY1	SYD	770	A, B, C, D, E
0	SYD	BC	SY2	230KV SWYD BATTERY CHARGER SY2	SYD	770	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	SYD	BD	RB02	SWITCHYARD RELAY BOARD RB02	SYD	770	A, B, C, D, E
0	SYD	BD	RB03	SWITCHYARD RELAY BOARD RB03	SYD	770	A, B, C, D, E
0	SYD	BD	RB06	SWITCHYARD RELAY BOARD RB06	SYD	770	A, B, C, D, E
0	SYD	BD	RB07	SWITCHYARD RELAY BOARD RB07	SYD	770	A, B, C, D, E
0	SYD	BD	RB08	SWITCHYARD RELAY BOARD RB08	SYD	770	A, B, C, D, E
0	SYD	BD	RB10	SWITCHYARD RELAY BOARD RB10	SYD	770	A, B, C, D, E
0	SYD	BD	RB17	SWITCHYARD RELAY BOARD RB17	SYD	770	A, B, C, D, E
0	SYD	BD	RF02	SWITCHYARD RELAY BOARD RF02	SYD	770	A, B, C, D, E
0	SYD	BD	RF03	SWITCHYARD RELAY BOARD RF03	SYD	770	A, B, C, D, E
0	SYD	BD	RF06	SWITCHYARD RELAY BOARD RF06	SYD	770	A, B, C, D, E
0	SYD	BD	RF17	SWITCHYARD RELAY BOARD RF17	SYD	770	A, B, C, D, E
0	SYD	BD	SRB06	SWITCHYARD RELAY BOARD SRB06	SYD	770	A, B, C, D, E
0	SYD	BD	SRB09	SWITCHYARD RELAY BOARD SRB09	SYD	770	A, B, C, D, E
0	SYD	BD	SRB14	SWITCHYARD RELAY BOARD SRB14	SYD	770	A, B, C, D, E
0	SYD	BD	SRB15	SWITCHYARD RELAY BOARD SRB15	SYD	770	A, B, C, D, E
0	SYD	BD	SRB17	SWITCHYARD RELAY BOARD SRB17	SYD	770	A, B, C, D, E
0	SYD	BD	SRF06	SWITCHYARD RELAY BOARD SRF06	SYD	770	A, B, C, D, E
0	SYD	BD	SRF07	SWITCHYARD RELAY BOARD SRF07	SYD	770	A, B, C, D, E
0	SYD	BD	SRF08	SWITCHYARD RELAY BOARD SRF08	SYD	770	A, B, C, D, E
0	SYD	BD	SRF09	SWITCHYARD RELAY BOARD SRF09	SYD	770	A, B, C, D, E
0	SYD	BD	SRF10	SWITCHYARD RELAY BOARD SRF10	SYD	770	A, B, C, D, E
0	SYD	BD	SRF17	SWITCHYARD RELAY BOARD SRF17	SYD	770	A, B, C, D, E
0	SYD	BK	PCB08	230KV AC POWER CIRCUIT BREAKER 08 (PCB-08)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB09	230KV AC POWER CIRCUIT BREAKER 09 (PCB-09)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB12	230KV AC POWER CIRCUIT BREAKER 12 (PCB-12)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB15	230KV AC POWER CIRCUIT BREAKER 15 (PCB-15)	SYD	770	A, B, C, D, E
0	SYD	BK	PCB33	230KV AC POWER CIRCUIT BREAKER 33 (PCB-33)	SYD	770	A, B, C, D, E
0	SYD	BS	230KRED	230KV SWITCHYARD RED BUS	SYD	770	A, B, C, D, E
0	SYD	BS	230KYEL	230KV SWITCHYARD YELLOW BUS	SYD	770	A, B, C, D, E
0	SYD	BS	TRENCH	MISC SWYD TRENCHES	SYD	770	A, B, C, D, E
0	SYD	PL	DYA	DC PANELBOARD A	SYD	770	A, B, C, D, E
0	SYD	PL	DYB	DC PANELBOARD B	SYD	770	A, B, C, D, E
0	SYD	PL	DYC	DC PANELBOARD C	SYD	770	A, B, C, D, E
0	SYD	PL	DYE	DC PANELBOARD E	SYD	770	A, B, C, D, E
0	SYD	PL	DYF	DC PANELBOARD F	SYD	770	A, B, C, D, E
0	SYD	PL	DYG	DC PANELBOARD G	SYD	770	A, B, C, D, E
0	SYD	PL	SYDC1	SWITCHYARD DISTRIBUTION CENTER 1	SYD	770	A, B, C, D, E
0	SYD	PL	SYDC2	SWITCHYARD DISTRIBUTION CENTER 2	SYD	770	A, B, C, D, E
0	SYD	TF	RBPT	RED BUS POTENTIAL TRANSFORMER (EGPS)	SYD	770	A, B, C, D, E
0	SYD	TF	YBPT	YELLOW BUS POTENTIAL TRANSFORMER (EGPS)	SYD	770	A, B, C, D, E
0	VS	AH	0042	AHU 0-42 HEATING AND A/C SSF BUILDING	SSF	817	B,C
0	VS	AH	0044EX1	SSF CONST VENT SUPPLY FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX2	SSF SUMMER VENT SUPPLY FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX3	SSF ON LINE VENT SUPPLY FAN & MOTOR	SSF	817	B,C

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	VS	AH	0044EX4	SSF ENGINE EX FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX5	SSF SUMMER EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX6	SSF ON LINE EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	AH	0044EX7	SSF CONSTANT EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	DA	CD01	SSF CONSTANT VENTILATION (VS-AH-0044EX1) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	DA	CD02	SSF SUMMER VENTILATION (VS-AH-044EX2) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	DA	CD03	SSF ON-LINE VENTILATION (VS-AH-0044EX3) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	DA	ID01	SSF INLET DAMPER ID-1 (AH EXHAUST FAN AH0044EX4)	SSF	817	B,C
0	VS	DA	ID01E	ACTUATOR FOR INTAKE DAMPER SSF-ID-A & B	SSF	817	B,C
0	VS	DA	ID01W	ACTUATOR FOR INTAKE DAMPER SSF-ID-C & D	SSF	817	B,C
0	VS	DA	ID02	INLET DAMPER ID-2 (SSF AH EXH FAN AH0044EX3)	SSF	817	B,C
0	VS	DA	ID02A	ACTUATOR FOR INLET DAMPER SSF-ID2 (EXH FAN AH0044EX3)	SSF	817	B,C
0	VS	DA	ID03	SSF INLET DAMPER ID-3 (AH EXHAUST FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	ID03A	ACTUATOR FOR INLET DAMPER SSF-ID3 (EXH FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	ID04	SSF INLET DAMPER ID-4 (AH EXHAUST FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	ID04A	ACTUATOR FOR INLET DAMPER SSF-ID4 (EXH FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	XD01	SSF EXH DAMPER XD-1 (AH EXH. FAN AH0044EX4)	SSF	817	B,C
0	VS	DA	XD01E	ACTUATOR FOR EXH DAMPER SSF-XD-A&B	SSF	817	B,C
0	VS	DA	XD01W	ACTUATOR FOR EXH DAMPER SSF-XD-C&D	SSF	817	B,C
0	VS	DA	XD02	SSF PRESS OPER EXH DAMPER XD-2 (AH EXH FAN AH0044EX7)	SSF	817	B,C
0	VS	DA	XD03	SSF EXH DAMPER XD-3 (AH EXH FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	XD03A	ACTUATOR FOR EXH DAMPER SSF-XD3 (EXH FAN AH0044EX1)	SSF	817	B,C
0	VS	DA	XD04	SSF PRESS OPER EXH DAMPER XD-4 (AH EXH. FAN AH0044EX5)	SSF	817	B,C
0	VS	DA	XD05	SSF EXH DAMPER XD-5 (AH EXH. FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	XD05A	ACTUATOR FOR EXH DAMPER SSF-XD5 (EXH FAN AH0044EX2)	SSF	817	B,C
0	VS	DA	XD06	SSF PRESS OPER EXH DAMPER XD-6 (AH EXH. FAN AH0044EX6)	SSF	817	B,C
0	VS	PE	SSFPE01	SSF SUMMER VENT. SYSTEM (VH) EXHAUST FAN (SSF-XF-3)	SSF	825	A, B, C, D, E
0	VS	PE	SSFPE02	SSF A/C SYSTEM AIR HANDLING UNIT	SSF	TBD	A, B, C, D, E
0	VS	PL	CP01AH2	SSF CONTROL BOARD FOR THE HVAC SYSTEM	SSF	817	A, B, C, D, E
0	VS	PS	SSFPS01	SSF CONSTANT VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS02	SSF SUMMER VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS03	SSF ON-LINE VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS04	SSF CONSTANT VENTILATION SYSTEM EXHAUST FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS05	SSF SUMMER VENTILATION SYSTEM EXHAUST FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS06	SSF ON-LINE VENTILATION SYSTEM EXHAUST FAN	SSF	822	A, B, C, D, E
0	VS	PS	SSFPS07	SSF ENGINE VENTILATION SYSTEM EXHAUST FAN	SSF	782	A, B, C, D, E
0	VS	PS	SSFPS08	SSF A/C SYSTEM AIR FLOW PRESS SWITCH	SSF	TBD	A, B, C, D, E
0	VS	TT	SSFCT1	HVAC TEMPERATURE CONTROLLER (FOR SSF-AH-1)	SSF	822	A, B, C, D, E
0	VS	TT	SSFCT2	HVAC TEMPERATURE CONTROLLER (FOR SSF-CP-1)	SSF	822	A, B, C, D, E
3	AS	PT	0117P	AUX STEAM PRESSURE TRANSMITTER (MS-126 & MS-129)	TB	796	D
3	BAG	BD	3AB1	CONTROL BOARD 3AB1	AB	822	A, B, C, D, E
3	BAG	BD	3AB2	CONTROL BOARD 3AB2	AB	822	A, B, C, D, E
3	BAG	BD	3AB2A	CONTROL BOARD 3AB2A	AB	822	A, B, C, D, E
3	BAG	BD	3AB3	CONTROL BOARD 3AB3	AB	822	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	BAG	BD	3AB3A	CONTROL BOARD 3AB3A	AB	822	A, B, C, D, E
3	BAG	BD	3UB1	CONTROL BOARD 3UB1	AB	822	A, B, C, D, E
3	BAG	BD	3UB2	CONTROL BOARD 3UB2	AB	822	A, B, C, D, E
3	BAG	BD	3VB1	CONTROL BOARD 3VB1	AB	822	A, B, C, D, E
3	BAG	BD	3VB2	CONTROL BOARD 3VB2	AB	822	A, B, C, D, E
3	BAG	BD	3VB3	CONTROL BOARD 3VB3	AB	822	A, B, C, D, E
3	BS	PS	0018	RB PRESS SWITCH (ES CH 3A) (CHANNEL 7)	AB	809	E
3	BS	PS	0019	RB PRESS SWITCH (ES CH 3A) (CHANNEL 8)	AB	809	E
3	BS	PS	0020	RB PRESS SWITCH (ES CH 3B) (CHANNEL 7)	AB	809	E
3	BS	PS	0021	RB PRESS SWITCH (ES CH 3B) (CHANNEL 8)	AB	809	E
3	BS	PS	0022	RB PRESS SWITCH (ES CH 3C) (CHANNEL 7)	AB	809	E
3	BS	PS	0023	RB PRESS SWITCH (ES CH 3C) (CHANNEL 8)	AB	809	E
3	BS	PT	0004P	RB PRESS XMTR (ES CH 3A)	AB	809	E
3	BS	PT	0005P	RB PRESS XMTR (ES CH 3B)	AB	809	E
3	BS	PT	0006P	RB PRESS XMTR (ES CH 3C)	AB	809	E
3	BS	PU	0001	RBS PUMP 3A	AB	758	E
3	BS	PU	0002	RBS PUMP 3B	AB	758	E
3	BS	VA	0001	RB SPRAY HEADER 3A ISOLATION	AB	809	E
3	BS	VA	0002	RB SPRAY HEADER 3B ISOLATION	AB	809	E
3	BS	VA	0003	RBS PUMP SUCTION ISOL	AB	758	A,B,C,D
3	BS	VA	0004	RBS PUMP SUCTION ISOL	AB	758	E
3	C	CD	000A	CONDENSER 3A	TB	775	D
3	C	CD	000B	CONDENSER 3B	TB	775	D
3	C	CD	000C	CONDENSER 3C	TB	775	D
3	C	DM	000A	POLISHING DEMINERALIZER 3A	TB	775	D
3	C	DM	000B	POLISHING DEMINERALIZER 3B	TB	775	D
3	C	DM	000C	POLISHING DEMINERALIZER 3C	TB	775	D
3	C	DM	000D	POLISHING DEMINERALIZER 3D	TB	775	D
3	C	DM	000E	POLISHING DEMINERALIZER 3E	TB	775	D
3	C	HX	002A	CONDENSATE COOLER A	TB	775	D
3	C	HX	002B	CONDENSATE COOLER B	TB	775	D
3	C	LT	0015A	UST 3B LEVEL	TB	838	D
3	C	LT	0036	UST 3A LEVEL	TB	838	D
3	C	PS	0015	UST MAKEUP LEVEL CONTROL (PS-15)	TB	838	D
3	C	PS	0036	UST MAKEUP LEVEL CONTROL (PS-36)	TB	838	D
3	C	PS	0227	CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW	TB	775	D
3	C	PU	0010	HOTWELL PUMP 3A	TB	775	D
3	C	PU	0011	HOTWELL PUMP 3B	TB	775	D
3	C	PU	0012	HOTWELL PUMP 3C	TB	775	D
3	C	PU	0019	HOLDING PUMP	TB	775	D
3	C	PU	0020	HOLDING PUMP	TB	775	D
3	C	PU	0021	HOLDING PUMP 3C	TB	775	D
3	C	PU	0022	HOLDING PUMP 3D	TB	775	D
3	C	PU	0023	HOLDING PUMP 3E	TB	775	D

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	C	SV	1920	SOLENOID VLV TO HOTWELL NORMAL MAKEUP CONTROL - VALVE 3C-	TB	775	D
3	C	TK	0003	SLURRY TANK	TB	775	D
3	C	TK	000A	UPPER SURGE TANK 3A	TB	838	D
3	C	TK	000B	UPPER SURGE TANK 3B	TB	838	D
3	C	TK	000C	UPPER SURGE TANK DOME	TB	838	D
3	C	VA	0192	HOTWELL NORMAL MAKEUP CONTROL	TB	775	D
3	C	VA	0391	HOTWELL SUPPLY ISO TO TDEFW	TB	775	D
3	CC	HX	000A	COMPONENT COOLER 3A	AB	783	A
3	CC	HX	000B	COMPONENT COOLER 3B	AB	783	A
3	CCW	FT	0225	SSF ASW FLOW	AB	796	D
3	CCW	PL	0268	REMOTE STARTER ENCLOSURE FOR 3CCW-268	SSF	754	D
3	CCW	PL	0287	REMOTE STARTER ENCLOSURE FOR 3CCW-287	SSF	758	D
3	CCW	PU	0001	CCW PUMP 3A	INT	810	D,A
3	CCW	PU	0002	CCW PUMP 3B	INT	810	D,A
3	CCW	PU	0003	CCW PUMP 3C	INT	810	D,A
3	CCW	PU	0004	CCW PUMP 3D	INT	810	D,A
3	CCW	PU	0024	EFWPT OIL COOLER PUMP	TB	775	C
3	CCW	VA	0268	SSF ASW PUMP DISCH ISOL	SSF	754	D
3	CCW	VA	0269	CROSSOVER ISOLATION TO A	RB	777	D
3	CCW	VA	0287	SSF ISOL VALVE	SSF	754	D
3	CF	TK	000A	CORE FLOOD TANK 3A	RB	797	B, D
3	CF	TK	000B	CORE FLOOD TANK 3B	RB	817	B, D
3	CRD	CA	0001	CRD AC REACTOR TRIP BREAKER CABINET	AB	809	A
3	CRD	CA	CC1	CONTROL CABINET CC-1	AB	809	A
3	CRD	CA	CC2	CONTROL CABINET CC-2	AB	809	A
3	CRD	CA	CC3	CONTROL CABINET CC-3	AB	809	A
3	CRD	CA	CC4	CONTROL CABINET CC-4	AB	809	A
3	CRD	CA	CC5	CONTROL CABINET CC-5	AB	809	A
3	CRD	CA	CC6	CONTROL CABINET CC-6	AB	809	A
3	CRD	CA	SRPSCC1	DCRDCS CONTROL CABINET SRPS CC1	AB	809	A
3	CRD	CA	SRPSCC2	DCRDCS CONTROL CABINET SRPS CC2	AB	809	A
3	CRD	CA	SRPSCC5	CONTROL CABINET CC-5	AB	809	A
3	CRD	CA	SRPSCC6	CONTROL CABINET CC-6	AB	809	A
3	CS	VA	0005	QUENCH TANK DRAIN	RB	777	A, B, C
3	CS	VA	0006	QUENCH TANK DRAIN	AB	758	A, B, C
3	EHC	CA	EHC1	EHC CAB 3EHC1	AB	809	D
3	EHC	CA	EHC2	EHC CAB 3EHC2	AB	809	D
3	EHC	CA	EHC3	EHC CAB 3EHC3	AB	809	D
3	EHC	CA	EHTC1	EHC TERM CAB 3EHTC1	AB	809	D
3	EHC	CA	EHTC2	EHC TERM CAB 3EHTC2	AB	809	D
3	EHC	SV	1083	MASTER TRIP SOLENOID VALVE A	TB	809	D
3	EHC	SV	1084	MASTER TRIP SOLENOID VALVE B	TB	809	D
3	EL	BA	3CA	CONTROL BATT 3CA	AB	809	A, B, C, D, E
3	EL	BA	3CB	CONTROL BATT 3CB	AB	809	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	EL	BA	3PA	PWR BATT 3PA	TB	796	A, B, C, D, E
3	EL	BA	3PB	PWR BATT 3PB	TB	796	A, B, C, D, E
3	EL	BC	3CA	CONTROL BATT CHGR 3CA	AB	796	A, B, C, D, E
3	EL	BC	3CB	CONTROL BATT CHGR 3CB	AB	796	A, B, C, D, E
3	EL	BC	3PA	PWR BATT CHGR 3PA	TB	796	A, B, C, D, E
3	EL	BC	3PB	PWR BATT CHGR 3PB	TB	796	A, B, C, D, E
3	EL	BI	3DIA	120V STATIC INV 3DIA	AB	796	A, B, C, D, E
3	EL	BI	3DIB	120V STATIC INV 3DIB	AB	796	A, B, C, D, E
3	EL	BI	3DIC	120V STATIC INV 3DIC	AB	796	A, B, C, D, E
3	EL	BI	3DID	120V STATIC INV 3DID	AB	796	A, B, C, D, E
3	EL	BI	3KI	STATIC INVERTER 3KI (INCLUDES STATIC XFER SWITCH)	AB	796	A, B, C, D, E
3	EL	BI	3KU	STATIC INVERTER 3KU (INCLUDES STATIC XFER SWITCH)	AB	796	A, B, C, D, E
3	EL	BI	3KX	STATIC INVERTER 3KX (INCLUDES STATIC XFER SWITCH)	AB	796	A, B, C, D, E
3	EL	BK	3A	240/120V 3A REGULATOR OUTPUT BKR	AB	796	A, B, C, D, E
3	EL	BK	3B	240/120V 3B REGULATOR OUTPUT BKR	AB	796	A, B, C, D, E
3	EL	BS	230CT3	CT3 OVERHEAD FEEDER (SWYD PCB 30 TO CT3)	SYD	796	A, B, C, D, E
3	EL	BS	4160CT3	4160V STARTUP BUS FROM TRANSFORMER CT3	TB	796	A, B, C, D, E
3	EL	BS	4160MFB1	4160V MAIN FEEDER BUS 1, B13, (3B1T TO 3TC,3TD,3TE)	TB	796	A, B, C, D, E
3	EL	BS	4160MFB2	4160V MAIN FEEDER BUS 2, B23, (3B2T TO 3TC,3TD,3TE)	TB	796	A, B, C, D, E
3	EL	CA	3AT3	AREA TERM CAB 3AT3	AB	809	A, B, C, D, E
3	EL	CA	3AT4	AREA TERM CAB 3AT4	AB	809	A, B, C, D, E
3	EL	CA	3AXTC2	AUX TERMINAL CABINET 3AXTC2	TB	796	A, B, C, D, E
3	EL	CA	3EB1	ELECTRICAL BOARD 3EB1	AB	822	A, B, C, D, E
3	EL	CA	3EB2	ELECTRICAL BOARD 3EB2	AB	822	A, B, C, D, E
3	EL	CA	3EB3	ELECTRICAL BOARD 3EB3	AB	822	A, B, C, D, E
3	EL	CA	3EB4	ELECTRICAL BOARD 3EB4	AB	822	A, B, C, D, E
3	EL	CA	3EB5	ELECTRICAL BOARD 3EB5	AB	822	A, B, C, D, E
3	EL	CA	3EB6	ELECTRICAL BOARD 3EB6	AB	822	A, B, C, D, E
3	EL	CA	3EB7	ELECTRICAL BOARD 3EB7	AB	822	A, B, C, D, E
3	EL	CA	3EB8	ELECTRICAL BOARD 3EB8	AB	822	A, B, C, D, E
3	EL	CA	3MTC1	MISC TERM CAB 3MTC1	AB	809	A, B, C, D, E
3	EL	CA	3MTC2	MISC TERM CAB 3MTC2	AB	809	A, B, C, D, E
3	EL	CA	3MTC3	MISC TERM CAB 3MTC3	AB	809	A, B, C, D, E
3	EL	CA	3MTC4	MISC TERM CAB 3MTC4	AB	809	A, B, C, D, E
3	EL	CA	3TTC4	TURB TERM CAB 3TTC4	TB	796	A, B, C, D, E
3	EL	CA	SGLC3	STEAM GEN LOGIC CABINET	AB	809	A, B, C, D, E
3	EL	DI	3ADA	ISOL DIODE ASSEMBLY 3ADA	AB	796	A, B, C, D, E
3	EL	DI	3ADB	ISOL DIODE ASSEMBLY 3ADB	AB	796	A, B, C, D, E
3	EL	DI	3ADC	ISOL DIODE ASSEMBLY 3ADC	AB	796	A, B, C, D, E
3	EL	DI	3ADD	ISOL DIODE ASSEMBLY 3ADD	AB	796	A, B, C, D, E
3	EL	DI	3ADE	ISOL DIODE ASSEMBLY 3ADE	AB	796	A, B, C, D, E
3	EL	DI	3ADF	ISOL DIODE ASSEMBLY 3ADF	AB	796	A, B, C, D, E
3	EL	DI	3ADG	ISOL DIODE ASSEMBLY 3ADG	AB	796	A, B, C, D, E
3	EL	IR	MC25	INSTRUMENT RACK 3MC-25	TB	796	D

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	EL	IR	MC29	INSTRUMENT RACK 3MC-29	TB	796	D
3	EL	IR	MC32	INSTRUMENT RACK 3MC-32	TB	775	D
3	EL	IR	MC33	INSTRUMENT RACK 3MC-33	TB	775	D
3	EL	IR	PIR	UNIT 3 PNEUMATIC INSTR RACK	AB	809	B
3	EL	LX	3X1	600V LC 3X01	TB	796	A, B, C, D, E
3	EL	LX	3X10	600V LC 3X10	TB	796	A, B, C, D, E
3	EL	LX	3X2	600V LC 3X02	TB	796	A, B, C, D, E
3	EL	LX	3X3	600V LC 3X03	TB	796	A, B, C, D, E
3	EL	LX	3X4	600V LC 3X04	TB	796	A, B, C, D, E
3	EL	LX	3X5	600V LC 3X05	AB	796	A, B, C, D, E
3	EL	LX	3X6	600V LC 3X06	AB	796	A, B, C, D, E
3	EL	LX	3X8	600V LC 3X08	AB	796	A, B, C, D, E
3	EL	LX	3X9	600V LC 3X09	AB	796	A, B, C, D, E
3	EL	MX	3XA	MCC 3XA	TB	796	D
3	EL	MX	3XAA	208V MCC 3XA-A	TB	796	D
3	EL	MX	3XB	600V MCC 3XB	TB	775	D
3	EL	MX	3XC	MCC 3XC	TB	775	D
3	EL	MX	3XD	600V MCC 3XD	TB	775	D
3	EL	MX	3XGA	MCC 3XGA	TB	796	D
3	EL	MX	3XGB	MCC 3XGB	TB	796	D
3	EL	MX	3XI	600V MCC 3XI	AB	809	D
3	EL	MX	3XJ	600V MCC 3XJ	AB	809	D
3	EL	MX	3XL	MCC 3XL	AB	771	A, B, C
3	EL	MX	3XN	MCC 3XN	AB	771	A, B, C
3	EL	MX	3XO	MCC 3XO	AB	796	A, B, C, D, E
3	EL	MX	3XP	MCC 3XP	AB	796	A, B, C, D, E
3	EL	MX	3XR	600V MCC 3XR	AB	838	A
3	EL	MX	3XS1	MCC 3XS1	AB	796	A, B, C, D, E
3	EL	MX	3XS2	MCC 3XS2	AB	796	A, B, C, D, E
3	EL	MX	3XS3	MCC 3XS3	AB	796	A, B, C, D, E
3	EL	MX	3XSF	MCC 3XSF(600V)	SSF	817	A, B, C, D, E
3	EL	MX	3XSF1	MCC 3XSF-1 (208V)	SSF	797	A, B, C, D, E
3	EL	MX	3XSFA	MCC 3XSF(208V)	SSF	817	A, B, C, D, E
3	EL	MX	3XT	MCC 3XT	AB	838	D
3	EL	PL	3CPS	3 POWDEX PANEL	TB	775	D
3	EL	PL	3DCA	125V DC 3DCA	AB	796	A, B, C, D, E
3	EL	PL	3DCB	125V DC 3DCB	AB	796	A, B, C, D, E
3	EL	PL	3DIA	125V PPB 3DIA	AB	809	A, B, C, D, E
3	EL	PL	3DIB	125V PPB 3DIB	AB	809	A, B, C, D, E
3	EL	PL	3DIC	125V PPB 3DIC	AB	809	A, B, C, D, E
3	EL	PL	3DID	125V PPB 3DID	AB	809	A, B, C, D, E
3	EL	PL	3DL2	250V DC 3DL2 PPB	AB	796	A, B, C, D, E
3	EL	PL	3DP	125/250V DC 3DP	TB	796	A, B, C, D, E
3	EL	PL	3EPSLP1	EPSL PANEL 3EPSLP1	AB	809	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	EL	PL	3EPSLP2	EPSL PANEL 3EPSLP2	AB	809	A, B, C, D, E
3	EL	PL	3KA	120V PPB 3KA	TB	775	A, B, C, D, E
3	EL	PL	3KB	120V PPB 3KB	TB	775	A, B, C, D, E
3	EL	PL	3KC	120V PPB 3KC	TB	796	A, B, C, D, E
3	EL	PL	3KD	120V PPB 3KD	AB	771	A, B, C, D, E
3	EL	PL	3KE	120V PPB 3KE	AB	796	A, B, C, D, E
3	EL	PL	3KESP	KEOWEE EM START PANEL	AB	809	A, B, C, D, E
3	EL	PL	3KG	120V PPB 3KG	AB	838	A, B, C, D, E
3	EL	PL	3KI	120V PPB 3KI	AB	809	A, B, C, D, E
3	EL	PL	3KM	120V PPB 3KM	AB	809	A, B, C, D, E
3	EL	PL	3KRA	120V PPB 3KRA	AB	809	A, B, C, D, E
3	EL	PL	3KRB	120V PPB 3KRB	AB	809	A, B, C, D, E
3	EL	PL	3KU	120V PPB 3KU	AB	809	A, B, C, D, E
3	EL	PL	3KVIA	120V PPB 3KVIA	AB	809	A, B, C, D, E
3	EL	PL	3KVIB	120V PPB 3KVIB	AB	809	A, B, C, D, E
3	EL	PL	3KVIC	120V PPB 3KVIC	AB	809	A, B, C, D, E
3	EL	PL	3KVID	120V PPB 3KVID	AB	809	A, B, C, D, E
3	EL	PL	3KX	120V PPB 3KX	AB	809	A, B, C, D, E
3	EL	PL	3L21	125V DC PPB 3L21	AB	822	A, B, C, D, E
3	EL	PL	3L22	125V DC PPB 3L22	AB	822	A, B, C, D, E
3	EL	PL	3SGFP	SG FWP PANEL	TB	775	A, B, C, D, E
3	EL	PL	3SKJ	208/120V PPB 3SKJ	AB	809	A, B, C, D, E
3	EL	PL	3SKK	208/120V PPB 3SKK	AB	809	A, B, C, D, E
3	EL	PL	3SKL	120V PPB 3SKL	AB	809	A, B, C, D, E
3	EL	PL	3SKM	240/120V PPB 3SKM	ESV	797	A, B, C, D, E
3	EL	PL	3SKN	240/120V PPB 3SKN	ESV	797	A, B, C, D, E
3	EL	PL	3SKP	240/120V PPB 3SKP	ESV	797	A, B, C, D, E
3	EL	PL	3TCPA	TURB CONT PANEL 3TCPA	TB	796	A, B, C, D, E
3	EL	PL	3TDC31	TRANSDUCER CAB 3TDC3	AB	809	A, B, C, D, E
3	EL	PL	HBP	UNIT 3 HEATER BLANKETING PANEL	TB	822	D
3	EL	PL	MFBMRP	MAIN FDR BUS MONITOR RLY PANEL	AB	809	A, B, C, D, E
3	EL	PL	PZR3B	600V PPB 3B (FOR PRESSURIZER HEATERS GROUP 3B BANK 2)	RB	817	A, B, C, D, E
3	EL	SH	3B1T01	E13 MFB1 STARTUP FDR BKR SECTION	BH3	796	A, B, C, D, E
3	EL	SH	3B1T02	RELAYS SECTION	BH3	796	A, B, C, D, E
3	EL	SH	3B1T03	POTENTIAL TRANSFORMER SECTION	BH3	796	A, B, C, D, E
3	EL	SH	3B1T05	N13 3MFB1 NORM FDR FROM 3T XFMR SECTION	BH3	796	A, B, C, D, E
3	EL	SH	3B2T01	N23 MFB2 NORMAL FDR BKR SECTION	BH3	796	A, B, C, D, E
3	EL	SH	3B2T02	POTENTIAL TRANSFORMER SECTION	BH3	796	A, B, C, D, E
3	EL	SH	3B2T03	RELAYS SECTION	BH3	796	A, B, C, D, E
3	EL	SH	3B2T05	E23 MFB2 STARTUP FDR BKR SECTION	BH3	796	A, B, C, D, E
3	EL	SH	3TC01	3TC BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
3	EL	SH	3TC14	3TC BUS 2 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
3	EL	SH	3TD01	3TD BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
3	EL	SH	3TD14	3TD BUS 2 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	EL	SH	3TE01	3TE BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
3	EL	SH	3TE14	3TE BUS 2 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
3	EL	SH	B1T07	S13 STBY BUS 1 TO MFB1 BKR SECTION	BH1	796	A, B, C, D, E
3	EL	SH	B2T07	S23 STBY BUS 2 TO MFB2 BKR SECTION	BH1	796	A, B, C, D, E
3	EL	SX	3KIBKUP	BACKUP TRANSFER SWITCH 3KI	AB	796	A, B, C, D, E
3	EL	SX	3KIBYP	INVERTER BYPASS SWITCH 3KI	AB	796	A, B, C, D, E
3	EL	SX	3KUBKUP	BACKUP TRANSFER SWITCH 3KU	AB	796	A, B, C, D, E
3	EL	SX	3KUBYP	INVERTER BYPASS SWITCH 3KU	AB	796	A, B, C, D, E
3	EL	SX	3KXBKUP	BACKUP TRANSFER SWITCH 3KX	AB	796	A, B, C, D, E
3	EL	SX	3KXBYP	INVERTER BYPASS SWITCH 3KX	AB	796	A, B, C, D, E
3	EL	SX	ABXFER	3A/3B REG XFER SW	AB	796	A, B, C, D, E
3	EL	TF	0CT3	XFMR CT-3	TB	796	A, B, C, D, E
3	EL	TF	3A	XFMR 3A (600V TO 240V)	AB	796	A, B, C, D, E
3	EL	TF	3B	XFMR 3B (600V TO 240V)	AB	796	A, B, C, D, E
3	EL	TF	3KB	600/208V TRANSFORMER 3KB	TB	775	A, B, C, D, E
3	EL	TF	3KC	600/208V TRANSFORMER 3KC	TB	796	A, B, C, D, E
3	EL	TF	3KI	ISOLATION XFMR SHIELDED 3KI	AB	796	A, B, C, D, E
3	EL	TF	3KU	ISOLATION XFMR SHIELDED 3KU	AB	796	A, B, C, D, E
3	EL	TF	3XA	XFMR 3XA (600V TO 208V)	TB	796	A, B, C, D, E
3	EL	TF	3XC	XFMR 3XC (600V TO 208V)	TB	775	A, B, C, D, E
3	EL	TF	3XGA	XFMR 3XGA (600V TO 208V)	TB	796	A, B, C, D, E
3	EL	TF	3XGB	XFMR 3XGB (600V TO 208V)	TB	796	A, B, C, D, E
3	EL	TF	3XL	XFMR 3XL (600V TO 208V)	AB	771	A, B, C, D, E
3	EL	TF	3XN	XFMR 3XN (600V TO 208V)	AB	771	A, B, C, D, E
3	EL	TF	3XO	XFMR 3XO (600V TO 208V)	AB	796	A, B, C, D, E
3	EL	TF	3XP	XFMR 3XP (600V TO 208V)	AB	796	A, B, C, D, E
3	EL	TF	3XR	XFMR 3XR (600V/208V)	AB	838	A, B, C, D, E
3	EL	TF	3XS1A	XFMR 3XS1A (600V TO 208V)	AB	796	A, B, C, D, E
3	EL	TF	3XS2A	XFMR 3XS2A (600V TO 208V)	AB	796	A, B, C, D, E
3	EL	TF	3XS3A	XFMR 3XS3A (600V TO 208V)	AB	796	A, B, C, D, E
3	EL	TF	3XSF	XFMR 3XSF (600V TO 208V)	SSF	817	A, B, C, D, E
3	EL	TF	3XT	XFMR 3XT (600V TO 208V)	AB	838	A, B, C, D, E
3	EL	TN	2345	TERMINAL BOX TB-2345	AB	809	B
3	EL	TN	2346	TERMINAL BOX TB-2346	AB	809	B
3	EL	TN	2353	TERMINAL BOX TB-2353	TB	796	D
3	EL	VR	000A	REGULATED PWR SUPP REG 3A	AB	796	A, B, C, D, E
3	EL	VR	000B	REGULATED PWR SUPP REG 3B	AB	796	A, B, C, D, E
3	ES	CA	0001	ES ANALOG CABINET 1	AB	822	A, B, C, D, E
3	ES	CA	0002	ES ANALOG CABINET 2	AB	822	A, B, C, D, E
3	ES	CA	0003	ES ANALOG CABINET 3	AB	822	A, B, C, D, E
3	ES	CA	0004	ES LOGIC CABINET 4	AB	822	A, B, C, D, E
3	ES	CA	0005	ES LOGIC CABINET 5	AB	822	A, B, C, D, E
3	ES	CA	0006	ES LOGIC CABINET 6	AB	822	A, B, C, D, E
3	ES	CA	0007	ES LOGIC CABINET 7	AB	822	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	ES	CA	0008	ES LOGIC CABINET 8	AB	822	A, B, C, D, E
3	ES	CA	0009	ES LOGIC CABINET 9	AB	822	A, B, C, D, E
3	ES	CA	3ESTC1	ESFAS ODD CH TERM CAB 3ESTC1	AB	809	A, B, C, D, E
3	ES	CA	3ESTC2	ESFAS EVEN CH TERM CAB 3ESTC2	AB	809	A, B, C, D, E
3	ES	CA	3ESTC2A	ESFAS AUX RLY CAB 3ESTC2A	AB	809	A, B, C, D, E
3	ES	CA	3ESTC3	ES ODD & EVEN RLY CAB 3ESTC3	AB	809	A, B, C, D, E
3	ESV	CA	3ESV1	ESV PUMP CONTROLS RELAY CABINET 3ESV1	AB	796	D
3	ESV	CA	3ESV2	ESV PUMP CONTROLS RELAY CABINET 3ESV2	AB	796	D
3	ESV	CA	3ESV3	ESV PUMP CONTROLS RELAY CABINET 3ESV3	AB	796	D
3	ESV	PL	0001	UNIT 3 ESV LOCAL CONTROL PANEL	ESV	797	D
3	ESV	PT	0001	ESV TANK PRESSURE TRANSMITTER	ESV	797	D
3	ESV	PT	0002	ESV TANK PRESSURE TRANSMITTER	ESV	797	D
3	ESV	PU	0001	ESV PUMP 3A	ESV	797	D
3	ESV	PU	0002	ESV PUMP 3B	ESV	797	D
3	ESV	PU	0003	ESV PUMP 3C	ESV	797	D
3	ESV	TF	0001	600/240/120V 3SKM POWER TRANSFORMER	ESV	797	D
3	ESV	TF	0002	600/240/120V 3SKN POWER TRANSFORMER	ESV	797	D
3	ESV	TF	0003	600/240/120V 3SKN POWER TRANSFORMER	ESV	797	D
3	ESV	TK	0001	ESV Receiver Tank 3A	ESV	797	D
3	ESV	TK	0002	ESV Receiver Tank 3B	ESV	797	D
3	ESV	VA	0001	ESV FLOAT VALVE	YD	796	D
3	ESV	VA	0002	ESV FLOAT VALVE	YD	796	D
3	ESV	VA	0028	ESV TANK MIN. FLOW VALVE	ESV	797	D
3	ESV	VA	0029	ESV TANK MIN. FLOW VALVE	ESV	797	D
3	FDW	FT	0140	3A EFW HEADER FLOW	AB	783	D
3	FDW	FT	0141	3B EFW HEADER FLOW	AB	783	D
3	FDW	FT	0153	3A EFW HEADER FLOW TRANSMITTER	AB	783	D
3	FDW	FT	0154	3B EFW HEADER FLOW TRANSMITTER	AB	783	D
3	FDW	LT	0066	S/G 3A LEVEL	RB	777	D
3	FDW	LT	0067	S/G 3B LEVEL	RB	777	D
3	FDW	LT	0080	SG 3A LEVEL TRANSMITTER	RB	777	D
3	FDW	LT	0081	SG 3B LEVEL TRANSMITTER	RB	777	D
3	FDW	LT	0082	SG 3A LEVEL TRANSMITTER	RB	777	D
3	FDW	LT	0083	SG 3B LEVEL TRANSMITTER	RB	777	D
3	FDW	PL	0368	REMOTE STARTER ENCLOSURE FOR 3FDW-368	AB	809	D
3	FDW	PL	0369	REMOTE STARTER ENCLOSURE FOR 3FDW-369	AB	809	D
3	FDW	PL	0372	REMOTE STARTER ENCLOSURE FOR 3FDW-372	AB	809	D
3	FDW	PL	0374	REMOTE STARTER ENCLOSURE FOR 3FDW-374	AB	809	D
3	FDW	PL	0382	REMOTE STARTER ENCLOSURE FOR 3FDW-382	AB	809	D
3	FDW	PL	0384	REMOTE STARTER ENCLOSURE FOR 3FDW-384	AB	809	D
3	FDW	PL	ATWSCP	U3 ATWS CONTROL PANEL	AB	838	D
3	FDW	PS	0300	3EFPT LOW HYDR OIL PRESS SWITCH	TB	775	C
3	FDW	PS	0382	FWPT 3A CONTROL OIL PRESS SWITCH	TB	775	D
3	FDW	PS	0383	FWPT 3A CONTROL OIL PRESS SWITCH	TB	775	D

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	FDW	PS	0384	FWPT 3B CONTROL OIL PRESS SWITCH	TB	775	D
3	FDW	PS	0385	FWPT 3B CONTROL OIL PRESS SWITCH	TB	775	D
3	FDW	PS	1011	MAIN FWP DISCH HDR PRESS SWITCH (3MS-93)	TB	775	D
3	FDW	PS	1012	MAIN FWP DISCH HDR PRESS SWITCH (3MS-93)	TB	775	D
3	FDW	PU	0003	TDEFW PUMP	TB	775	D
3	FDW	PU	0004	MDEFW PUMP 3A	TB	775	D
3	FDW	PU	0005	MDEFW PUMP 3B	TB	775	D
3	FDW	SV	0037	STEAM GEN A SAMPLE ISOL VALVE FOR 3FDW-106	AB	809	D
3	FDW	SV	0038	STEAM GEN B SAMPLE ISOL VALVE FOR 3FDW-108	AB	822	D
3	FDW	TN	3TBATWS1	ATSW TERM BOX 1	AB	809	D
3	FDW	TN	3TBATWS2	ATSW TERM BOX 2	AB	809	D
3	FDW	TN	3TBFPT	FEEDWATER PUMP TURBINE TERMINAL BOX	TB	775	D
3	FDW	VA	0086	PRESS REG TD PUMP SEALS	TB	775	D
3	FDW	VA	0087	PRESS REG TD PUMP SEALS	TB	775	D
3	FDW	VA	0105	SG 3A SAMPLE ISOLATION	RB	808	D
3	FDW	VA	0106	SG 3A SAMPLE ISOLATION	AB	809	D
3	FDW	VA	0107	SG 3B SAMPLE ISOLATION	RB	808	D
3	FDW	VA	0108	SG 3B SAMPLE ISOLATION	AB	809	D
3	FDW	VA	0129	PRESS REG TD PUMP SEALS	TB	775	D
3	FDW	VA	0218	PRESS REG TD PUMP SEALS	TB	775	D
3	FDW	VA	0315	MDEFW PUMP 3A ISOLATION	AB	809	D
3	FDW	VA	0316	MDEFW PUMP 3B ISOLATION	AB	809	D
3	GEN	BS	IPB	ISOLATED PHASE BUS 19KV	TB	796	A, B, C, D, E
3	GWD	VA	0012	QUENCH TANK VENT	RB	797	A, B, C
3	GWD	VA	0013	QUENCH TANK VENT	AB	809	A, B, C
3	HP	VA	0003	LETDOWN ISOLATION	RB	777	B
3	HP	VA	0004	LETDOWN ISOLATION	RB	777	B
3	HP	VA	0005	LETDOWN ISOLATION	AB	809	B
3	HP	VA	0020	RCP SEAL RETURN ISOLATION	RB	817	B
3	HP	VA	0021	RCP SEAL RETURN CONTAIN ISOL	AB	809	B
3	HP	VA	0024	BWST SUCTION ISOLATION	AB	771	A,B,C
3	HP	VA	0025	BWST SUCTION ISOLATION	AB	771	A,B,C
3	HP	VA	0026	HPI LOOP 3A INJECTION	AB	809	A,B,C
3	HP	VA	0027	HPI TRAIN 3B (EMERGENCY) INJECTION	AB	809	A,B,C
3	HP	VA	0031	RCP SEAL INJ FLOW CONTROL	AB	796	B
3	HP	VA	0071	SEAL RETURN LINE RELIEF	AB	771	B
3	HP	VA	0120	RC VOLUME CONTROL	AB	809	A,B,C
3	HP	VA	0355	HPI AUX SPRAY THROTTLE	AB	809	C
3	HP	VA	0398	RC MAKEUP PUMP TO RCP SEALS BLOCK	RB	777	B
3	HP	VA	0409	HPI CROSSOVER ISOLATION	AB	809	A,B,C
3	HP	VA	0410	HPI CROSSOVER ISOLATION	AB	809	A,B,C
3	HP	VA	0426	ALT LETDOWN PATH ISOLATION	RB	777	A,B
3	HP	VA	0428	ALT LETDOWN PATH ISOLATION	RB	777	A,B
3	HPI	EP	0003	MAKEUP FLOW CONTROL	AB	809	A,B,C

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	HPI	EP	0075	RCP SEAL INJECTION FLOW	AB	783	B
3	HPI	FT	0007A	A LOOP INJ FLOW TRANSMITTER	AB	758	A,B,C
3	HPI	FT	0008A	HPI LOOP 3B FLOW XMTR	AB	758	A,B,C
3	HPI	FT	0075	RCP SEAL INJ FLOW TRANSMITTER	AB	783	B
3	HPI	FT	0101	RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	AB	783	B
3	HPI	FT	0102	RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	AB	783	B
3	HPI	FT	0103	RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	AB	783	B
3	HPI	FT	0104	RC PUMP SEAL INLET FLOW XMTR (Powered by ICS)	AB	783	B
3	HPI	FT	0157	U3 RC MAKE UP PUMP FLOW	RB	777	B
3	HPI	FT	0160	B LOOP INJ FLOW TRANSMITTER	AB	809	A,B,C
3	HPI	HX	000A	LETDOWN COOLER 3A	RB	777	B
3	HPI	HX	000B	LETDOWN COOLER 3B	RB	777	B
3	HPI	HX	001A	RC SEAL RETURN COOLER 3A	AB	771	B
3	HPI	HX	001B	RC SEAL RETURN COOLER 3B	AB	771	B
3	HPI	LT	0033P1	LDST LEVEL TRANSMITTER (TRAIN 1)	AB	771	B
3	HPI	LT	0033P2	LDST LEVEL TRANSMITTER (TRAIN 2)	AB	771	B
3	HPI	PL	0409	REMOTE STARTER ENCLOSURE FOR 3HP-409	AB	796	A,B,C
3	HPI	PL	0410	REMOTE STARTER ENCLOSURE FOR 3HP-410	AB	796	A,B,C
3	HPI	PS	0357	LETDOWN FLOW TEMP HIGH INTERLOCK	AB	783	B
3	HPI	PU	0001	HPI PUMP 3A	AB	758	A,B,C
3	HPI	PU	0002	HPI PUMP 3B	AB	758	A,B,C
3	HPI	PU	0003	HPI PUMP 3C	AB	758	A,B,C
3	HPI	PU	0005	SSF RC MAKEUP PUMP	RB	777	B
3	HPI	SV	0090	CONTROLS LETDOWN ISOLATION VALVE FOR 3HP-5	AB	809	B
3	HPI	SV	0095	RC PUMP SEAL RETURN ISOLATION VLV FOR 3HP-21	AB	809	B
3	HPI	TK	0001	LETDOWN STORAGE TANK	AB	771	B
3	HT	PL	3KTH1	TRACE HEATING PWR. PNLBD. 3KTH1	AB	771	D
3	HT	PL	3KTH2	TRACE HEATING POWER PNL 3KTH2	AB	771	D
3	HT	PL	EP031	EMERG BKR ALARM PNL EP3-1	AB	771	D
3	HT	PL	EP032	EMERG BKR ALARM PNL EP3-2	AB	771	D
3	HT	TF	3KTH2	FEEDER TO 208V PNLBD 3KTH2 (600/208V)	AB	771	D
3	ICC	CA	0001A	UNIT 3 ICCM TRAIN A CABINET	AB	822	A, B, C, D, E
3	ICC	CA	0001B	UNIT 3 ICCM TRAIN B CABINET	AB	822	A, B, C, D, E
3	ICS	CA	0001	ICS CABINET 1	AB	822	A, B, C, D, E
3	ICS	CA	0002	ICS CABINET 2	AB	822	A, B, C, D, E
3	ICS	CA	0003	ICS CABINET 3	AB	822	A, B, C, D, E
3	ICS	CA	0004	ICS CABINET 4	AB	822	A, B, C, D, E
3	ICS	CA	0005	ICS CABINET 5	AB	822	A, B, C, D, E
3	ICS	CA	0006	ICS CABINET 6	AB	822	A, B, C, D, E
3	ICS	CA	0007	ICS CABINET 7	AB	822	A, B, C, D, E
3	ICS	CA	0008	ICS CABINET 8	AB	822	A, B, C, D, E
3	ICS	CA	0009	ICS CABINET 9	AB	822	A, B, C, D, E
3	ICS	CA	0010	ICS CABINET 10	AB	822	A, B, C, D, E
3	ICS	CA	0011	ICS CABINET 11	AB	822	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	ICS	CA	0012	AUXILIARY SYSTEM CABINET #12	AB	822	A, B, C, D, E
3	ICS	CA	0013	AUXILIARY SYSTEM CABINET #13	AB	822	A, B, C, D, E
3	ICS	CA	0014	AUXILIARY SYSTEM CABINET #14	AB	822	A, B, C, D, E
3	ICS	PL	ASP	AUX SHUTDOWN PANEL	TB	822	A, B, C, D, E
3	LP	VA	0001	LPI DROPLINE ISOL FROM RCS	RB	797	B,D
3	LP	VA	0002	LPI DROPLINE ISOL FROM RCS	RB	777	D
3	LP	VA	0003	LPI HOT LEG SUCTION	AB	758	D
3	LP	VA	0006	LPI SUCTION CROSSOVER	AB	758	D
3	LP	VA	0007	LPI SUCTION CROSSOVER	AB	758	D
3	LP	VA	0008	LPI PUMP 3B SUCTION	AB	758	D
3	LP	VA	0009	LPI CROSSOVER	AB	758	D
3	LP	VA	0010	LPI CROSSOVER	AB	758	D
3	LP	VA	0012	LPI COOLER 3A ISOLATION	AB	771	D
3	LP	VA	0014	LPI COOLER 3B ISOLATION	AB	771	D
3	LP	VA	0017	LPI TRAIN 3A INJECTION ISOL	AB	809	D
3	LP	VA	0018	LPI TRAIN 3B INJECTION ISOL	AB	809	D
3	LP	VA	0021	BWST SUCTION ISOLATION	AB	771	A,B,C,D
3	LP	VA	0092	LPI COOLER BYPASS VALVE	AB	771	D
3	LP	VA	0093	LPI COOLER BYPASS VALVE	AB	771	D
3	LP	VA	0126	LPI POST ACCIDENT SAMPLE ISOL	AB	758	A
3	LPI	FT	0004P	LPI TRAIN 3B INJ FLOW TRANS (Powered by ICCM)	AB	809	D
3	LPI	FT	0005P	LPI TRAIN 3A INJ FLOW TRANS (Powered by ICCM)	AB	809	D
3	LPI	HX	000A	LPI COOLER 3A	AB	771	D
3	LPI	HX	000B	LPI COOLER 3B	AB	771	D
3	LPI	PL	0126	REMOTE STARTER ENCLOSURE FOR 3LP-126	AB	771	A
3	LPI	PU	0001	3LPI PUMP A	AB	758	D
3	LPI	PU	0002	3LPI PUMP B	AB	758	D
3	LPI	PU	0003	3LPI PUMP C	AB	758	D
3	LPI	TE	0209	LPI COOLER OUTLET TEMP (ICS Input)	AB	809	D
3	LPI	TE	0210	LPI COOLER OUTLET TEMP (ICS Input)	AB	771	D
3	LPI	TK	0001	BWST	YD	796	A,B,C
3	LPS	FL	000A	LPSW PUMP A STRAINER	TB	775	D
3	LPS	FL	000B	LPSW PUMP B STRAINER	TB	775	D
3	LPS	FT	0124	LPI COOLER 3A FLOW XMTR (3LPSW-405)	AB	771	D
3	LPS	FT	0125	LPI COOLER 3B FLOW XMTR (3LPSW-404)	AB	771	D
3	LPS	FT	1000	DECAY HEAT COOLER A LPSW FLOW	AB	771	B,D
3	LPS	FT	1001	DECAY HEAT COOLER B LPSW FLOW	AB	771	B,D
3	LPS	PS	0097	A LPSW HDR PRESS	TB	775	D
3	LPS	PS	0098	B LPSW HDR PRESS	TB	775	D
3	LPS	PU	0001	LPSW PUMP 3A	TB	775	D
3	LPS	PU	0002	LPSW PUMP 3B	TB	775	D
3	LPS	SV	0202	MOTOR DRIVEN EFDW PUMP MTR 3A COOLING WATER FLOW	TB	775	C
3	LPS	SV	0203	MOTOR DRIVEN EFDW PUMP MTR 3B COOLING WATER FLOW	TB	775	C
3	LPS	SV	1000	SOLENOID VALVE FOR 3LPSW-251	AB	783	D

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	LPS	SV	1001	SOLENOID VALVE FOR 3LPSW-252	AB	783	D
3	LPS	VA	0004	LPI COOLER 3A ISOLATION VALVE	AB	783	D
3	LPS	VA	0005	LPI COOLER 3B ISOLATION VALVE	AB	783	D
3	LPS	VA	0018	RBCU 3A RETURN VALVE	AB	809	E
3	LPS	VA	0021	RBCU 3B RETURN VALVE	AB	809	E
3	LPS	VA	0024	RBCU 3C RETURN VALVE	AB	809	E
3	LPS	VA	0139	Nonessential Header Isolation Valve	TB	775	D
3	LPS	VA	0196	PUMP 3A SEAL FLOW REGULATOR	TB	775	D
3	LPS	VA	0203	PUMP 3B SEAL FLOW REGULATOR	TB	775	D
3	LPS	VA	0251	DECAY HEAT COOLER A (3LPSVA0251)	AB	783	D
3	LPS	VA	0252	DECAY HEAT COOLER B (3LPSVA0252)	AB	783	D
3	LPS	VA	0516	EFW PUMP 3A LPSW ISOLATION VALVE	TB	775	C
3	LPS	VA	0525	EFW PUMP 3B LPSW ISOLATION VALVE	TB	775	C
3	MS	PL	0079	REMOTE STARTER ENCLOSURE FOR 3MS-79	TB	796	D
3	MS	PS	0086	MAIN STEAM PRESS SWITCH (3MS-19)	TB	796	D
3	MS	PS	0087	MAIN STEAM PRESS SWITCH (3MS-22)	TB	796	D
3	MS	PS	0088	MAIN STEAM PRESS SWITCH (3MS-28)	TB	796	D
3	MS	PS	0089	MAIN STEAM PRESS SWITCH (3MS-31)	TB	796	D
3	MS	PT	0024P	SG 3A PRESSURE	RB	825	D
3	MS	PT	0025P	SG 3A PRESSURE	RB	825	D
3	MS	PT	0026P	SG 3B PRESSURE	RB	825	D
3	MS	PT	0027P	SG 3B PRESSURE	RB	825	D
3	MS	PT	1006	AFIS ANALOG CHANNEL 3 - 3A S/G HDR PRESSURE	TB	796	D
3	MS	PT	1007	AFIS ANALOG CHANNEL 3 - 3B S/G HDR PRESSURE	TB	796	D
3	MS	PT	1008	AFIS ANALOG CHANNEL 4 - 3A S/G HDR PRESSURE	TB	796	D
3	MS	PT	1009	AFIS ANALOG CHANNEL 4 - 3B S/G HDR PRESSURE	TB	796	D
3	MS	PY	0042	UNIT 3 UPS (3MSSS0042 - 3MS-87))	AB	796	D
3	MS	SV	0074	TD EFDWP STEAM ADMISSION SOLENIOD FOR 3MS-93	TB	775	D
3	MS	SV	0178	TURB BYPASS CONTROL VLV A SHUTOFF	TB	796	D
3	MS	SV	0179	TURB BYPASS CONTROL VLV B SHUTOFF	TB	796	D
3	MS	SV	0180	TURB BYPASS CONTROL VLV C SHUTOFF	TB	796	D
3	MS	SV	0181	TURB BYPASS CONTROL VLV D SHUTOFF	TB	796	D
3	MS	VA	0001	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0002	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0003	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0004	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0005	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0006	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0007	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0008	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0009	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0010	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0011	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0012	MAIN STEAM SAFETY RELIEF	AB	809	D

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	MS	VA	0013	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0014	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0015	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0016	MAIN STEAM SAFETY RELIEF	AB	809	D
3	MS	VA	0017	TURBINE BYPASS ISOLATION	TB	796	D
3	MS	VA	0019	TURBINE BYPASS VALVE	TB	796	D
3	MS	VA	0022	TURBINE BYPASS VALVE	TB	796	D
3	MS	VA	0024	AS ISOLATION	TB	796	D
3	MS	VA	0026	TURBINE BYPASS ISOLATION	TB	796	D
3	MS	VA	0028	TURBINE BYPASS VALVE	TB	796	D
3	MS	VA	0031	TURBINE BYPASS VALVE	TB	796	D
3	MS	VA	0033	AS ISOLATION	TB	796	D
3	MS	VA	0035	FWPT ISOLATION	TB	796	D
3	MS	VA	0036	FWPT ISOLATION	TB	796	D
3	MS	VA	0040	FWPT 3A STOP VALVE (MS-40/SV12)	TB	775	D
3	MS	VA	0043	FWPT 3B STOP VALVE (MS-43/SV12)	TB	775	D
3	MS	VA	0047	MS TO CSAE	TB	796	D
3	MS	VA	0076	MS RH ISOLATION	TB	796	D
3	MS	VA	0077	MS TO 2ND STAGE RHTR ISOL	TB	796	D
3	MS	VA	0078	MS TO 2ND STAGE RHTR ISOL	TB	796	D
3	MS	VA	0079	MS RH ISOLATION	TB	796	D
3	MS	VA	0080	MS TO 2ND STAGE RHTR ISOL	TB	796	D
3	MS	VA	0081	MS TO 2ND STAGE RHTR ISOL	TB	796	D
3	MS	VA	0093	TDEFW MS ISOLATION VALVE	TB	775	D
3	MS	VA	0095	TD EFDWP GOVERNOR VALVE	TB	775	D
3	MS	VA	0102	TURBINE STOP VALVE # 4	TB	796	D
3	MS	VA	0103	TURBINE STOP VALVE # 3	TB	796	D
3	MS	VA	0104	TURBINE STOP VALVE # 2	TB	796	D
3	MS	VA	0105	TURBINE STOP VALVE # 1	TB	796	D
3	MS	VA	0106	MAIN STEAM CONTROL VALVE	TB	796	D
3	MS	VA	0107	MAIN STEAM CONTROL VALVE	TB	796	D
3	MS	VA	0108	MAIN STEAM CONTROL VALVE	TB	796	D
3	MS	VA	0109	MAIN STEAM CONTROL VALVE	TB	796	D
3	MS	VA	0112	MS TO 2ND STAGE RHTR ISOL	TB	796	D
3	MS	VA	0126	MS TO AS CONTROL VALVE	TB	796	D
3	MS	VA	0129	MS TO AS CONTROL VALVE	TB	796	D
3	MS	VA	0173	MS TO 2ND STAGE RHTR ISOL	TB	796	D
3	N	TK	0003	NITROGEN SUPPLY FOR 3FDW-315 & 3FDW-316	AB	838	D
3	N	TK	0004	NITROGEN SUPPLY FOR 3FDW-315 & 3FDW-316	AB	838	D
3	N	TK	0005	NITROGEN SUPPLY FOR 3MS-87	TB	796	D
3	N	TK	0006	NITROGEN SUPPLY FOR 3MS-126	TB	796	D
3	N	TK	0007	NITROGEN SUPPLY FOR 3MS-129	TB	796	D
3	PAM	CA	0001	POST ACCIDENT LIQUID SAMPLING PANEL	AB	771	A
3	PAM	LT	0090	RB CONTAINMENT WATER LVL TR A	RB	777	A

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	PAM	LT	0091	RB CONTAINMENT WATER LVL TR B	RB	777	A
3	PAM	P	0304	RB CONT WATER LVL IND TR A	AB	822	A
3	PAM	P	0305	RB CONT WATER LVL IND TR B	AB	822	A
3	PPS	CA	0001	RPS A/ES A1	AB	822	A, B, C, D, E
3	PPS	CA	0002	RPS A/ES A1	AB	822	A, B, C, D, E
3	PPS	CA	0003	RPS A/ES B1	AB	822	A, B, C, D, E
3	PPS	CA	0004	RPS A/ES B1	AB	822	A, B, C, D, E
3	PPS	CA	0005	RPS A/ES C1	AB	822	A, B, C, D, E
3	PPS	CA	0006	RPS A/ES C1	AB	822	A, B, C, D, E
3	PPS	CA	0007	RPS D	AB	822	A, B, C, D, E
3	PPS	CA	0008	RPS D	AB	822	A, B, C, D, E
3	PPS	CA	0009	ES A2	AB	822	A, B, C, D, E
3	PPS	CA	0010	ES B2	AB	822	A, B, C, D, E
3	PPS	CA	0011	ES C2	AB	822	A, B, C, D, E
3	PPS	CA	0012	ES VOTER ODD	AB	822	A, B, C, D, E
3	PPS	CA	0013	ES VOTER ODD	AB	822	A, B, C, D, E
3	PPS	CA	0014	ES VOTER EVEN	AB	822	A, B, C, D, E
3	PPS	CA	0015	ES VOTER EVEN	AB	822	A, B, C, D, E
3	PPS	CA	0016	RPS E/MSI	AB	822	A, B, C, D, E
3	PPS	CA	0017	ES STATUS ODD	AB	822	A, B, C, D, E
3	PPS	CA	0018	ES STATUS EVEN	AB	822	A, B, C, D, E
3	RBC	AH	0020A	RBCU FAN 3A	RB	825	E
3	RBC	AH	0020B	RBCU FAN 3B	RB	825	E
3	RBC	AH	0020C	RBCU FAN 3C	RB	825	E
3	RBC	HX	000A	RB COOLING UNIT 3A	RB	817	E
3	RBC	HX	000AAUX	AUX RBCU A	RB	844	E
3	RBC	HX	000B	RB COOLING UNIT 3B	RB	817	E
3	RBC	HX	000BAUX	AUX RBCU B	RB	861	E
3	RBC	HX	000C	RB COOLING UNIT 3C	RB	817	E
3	RBC	HX	000CAUX	AUX RBCU C	RB	844	E
3	RBC	HX	000DAUX	AUX RBCU D	RB	844	E
3	RC	LT	0004P1	PRZ LEVEL TRANSMITTER	RB	797	B,C
3	RC	LT	0004P3	PRZ LEVEL TRANSMITTER	RB	797	B,C
3	RC	LT	0123	3A RCS HOT LEG LVL (ICCM A)	AB	809	B
3	RC	LT	0124	3B RCS HOT LEG LVL (ICCM B)	AB	809	B
3	RC	LT	0125	RV HEAD LEVEL (ICCM A)	AB	809	B
3	RC	LT	0126	RV HEAD LEVEL (ICCM B)	AB	809	B
3	RC	PL	3RC1	3RC-1 SPRAY VALVE CONTROL BOX	AB	796	B
3	RC	PT	0017P	RCS LOOP A PRESS TRANS	RB	825	C
3	RC	PT	0021P	RC PRESS XMTR (ES CH A)	RB	825	B
3	RC	PT	0022P	RC PRESS XMTR (ES CH B)	RB	825	B
3	RC	PT	0023P	RC PRESS XMTR (ES CH C)	RB	825	B
3	RC	PT	0166P	RCS LOOP B PRESS TRANS	RB	825	C
3	RC	PT	0225	U3 RC LOOP A PRESSURE	RB	797	C,D

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	RC	PT	0226	U3 RC LOOP B PRESSURE	RB	817	C,D
3	RC	PT	0244	WR RCS PRESS TRAIN A (ICCM)	AB	809	C,D
3	RC	PT	0245	WR RCS PRESS TRAIN B (ICCM)	AB	809	C,D
3	RC	RD	0005B	RCS COLD LEG RTD	RB	797	C,D
3	RC	RD	0006A	RCS COLD LEG RTD	RB	797	C,D
3	RC	RD	0007B	RCS COLD LEG RTD	RB	797	C,D
3	RC	RD	0008A	RCS COLD LEG RTD	RB	797	C,D
3	RC	RD	0043A	PRZ RTD	RB	808	B,C
3	RC	RD	0043B	PRZ RTD	RB	808	B,C
3	RC	RD	0084A	REACTOR OUTLET LOOP 3A	RB	844	C,D
3	RC	RD	0084B	A HOT LEG WIDE RANGE RTD	RB	844	C,D
3	RC	RD	0085A	REACTOR OUTLET LOOP 3B	RB	844	C,D
3	RC	RD	0085B	B HOT LEG WIDE RANGE RTD	RB	844	C,D
3	RC	SV	0036	RC SAMPLE LINE ISOLATION VALVE (3RC7)	AB	822	B
3	RC	SV	0206	CONTROLS POST ACC. SAM. VLV(3RC-179)	AB	758	A
3	RC	VA	0001	PRZ SPRAY ISOLATION VALVE	RB	853	C
3	RC	VA	0003	PRZ SPRAY ISOLATION	RB	853	C
3	RC	VA	0004	PRZ PORV BLOCK VALVE	RB	853	B,C
3	RC	VA	0005	PRZ STEAM SAMPLE ISOLATION	RB	808	B
3	RC	VA	0006	PRZ WATER SAMPLE ISOLATION	RB	808	B
3	RC	VA	0007	PRZ WATER SAMPLE ISOLATION	AB	809	B
3	RC	VA	0066	PRZ PORV	RB	853	B,C
3	RC	VA	0067	PRZ CODE SAFETY	RB	853	B,C
3	RC	VA	0068	PRZ CODE SAFETY	RB	853	B,C
3	RC	VA	0159	RV VENT ISOLATION	RB	844	A,B,C
3	RC	VA	0160	RV VENT ISOLATION	RB	844	A,B,C
3	RC	VA	0162	POST ACC SAMPLE PATH ISOL	RB	777	A,B
3	RC	VA	0163	POST ACC SAMPLE PATH ISOL	RB	777	A
3	RC	VA	0179	POST ACC SAMPLE THROTTLE	AB	758	A
3	RPS	CA	A1	RPS CABINET 3A1	AB	822	A, B, C, D, E
3	RPS	CA	A2	RPS CABINET 3A2	AB	822	A, B, C, D, E
3	RPS	CA	B1	RPS CABINET 3B1	AB	822	A, B, C, D, E
3	RPS	CA	B2	RPS CABINET 3B2	AB	822	A, B, C, D, E
3	RPS	CA	C1	RPS CABINET 3C1	AB	822	A, B, C, D, E
3	RPS	CA	C2	RPS CABINET 3C2	AB	822	A, B, C, D, E
3	RPS	CA	D1	RPS CABINET 3D1	AB	822	A, B, C, D, E
3	RPS	CA	D2	RPS CABINET 3D2	AB	822	A, B, C, D, E
3	RPS	CA	E1	RPS CABINET 3E1	AB	822	A, B, C, D, E
3	SC	HX	000A	GENERATOR WATER COOLER 3A	TB	775	D
3	SC	HX	000B	GENERATOR WATER COOLER 3B	TB	775	D
3	SF	TK	0002	INCORE INST HANDLING TANK	RB	797	A,C,D
3	SF	VA	0082	SPENT FUEL POOL TO RC MAKEUP PUMP BLOCK	RB	777	B
3	SF	VA	0097	SPENT FUEL POOL TO RC MAKEUP PUMP BLOCK	RB	784	B
3	SSW	FT	1011	ESV PUMP 3A SEAL WATER FLOW TRANSMITTER	ESV	797	D

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	SSW	FT	1012	ESV PUMP 3B SEAL WATER FLOW TRANSMITTER	ESV	797	D
3	SSW	FT	1013	ESV PUMP 3C SEAL WATER FLOW TRANSMITTER	ESV	797	D
3	SSW	VA	0109	CCWP SEAL WATER REG. VALVE	INT	796	D
3	SSW	VA	0119	CCWP SEAL WATER REG. VALVE	INT	796	D
3	SSW	VA	0129	CCWP SEAL WATER REG. VALVE	INT	796	D
3	SSW	VA	0139	CCWP SEAL WATER REG. VALVE	INT	796	D
3	SSW	VA	0155	ESV PUMP SEAL SUPPLY VALVE	ESV	797	D
3	SSW	VA	0156	ESV PUMP SEAL SUPPLY VALVE	ESV	797	D
3	SSW	VA	0157	ESV PUMP SEAL SUPPLY VALVE	ESV	797	D
3	SYD	BK	PCB28	230KV AC POWER CIRCUIT BREAKER 28 (PCB-28)	SYD	770	A, B, C, D, E
3	SYD	BK	PCB30	230KV AC POWER CIRCUIT BREAKER 30 (PCB-30)	SYD	770	A, B, C, D, E
3	TO	PU	0022	EFWPT AUX OIL PUMP	TB	775	C
3	TO	TK	0002	EFW PUMP TURBINE OIL TANK	TB	775	C
3	TO	TN	TBEH3A	FWPT 3A MAIN OIL TANK TERM BOX EH	TB	775	D
3	TO	TN	TBEH3B	FWPT 3B MAIN OIL TANK TERM BOX EH	TB	775	D
3	TO	VA	0059	EFW PUMP TURBINE OIL PR VALVE	TB	775	C
3	VS	AH	0013	AHU-3-13	AB	838	A
3	VS	AH	0014	AHU-3-14	AB	838	A
3	VS	AH	0026	OUTSIDE AIR BOOSTER FAN 'A' (F3-8)	AB	838	A
3	VS	AH	0027	OUTSIDE AIR BOOSTER FAN 'B' (F3-9)	AB	838	A
K0	ELK	BD	CB05	CONTROL BOARD 05	KEO	688	A, B, C, D, E
K0	ELK	BD	CB06	CONTROL BOARD 06	KEO	688	A, B, C, D, E
K0	ELK	BS	OHXPHASE	KHU OVERHEAD BUS X PHASE TO 230 KV SWITCHYARD	KEO	702	A, B, C, D, E
K0	ELK	BS	OHYPHASE	KHU OVERHEAD BUS Y PHASE TO 230 KV SWITCHYARD	KEO	702	A, B, C, D, E
K0	ELK	BS	OHZPHASE	KHU OVERHEAD BUS Z PHASE TO 230 KV SWITCHYARD	KEO	702	A, B, C, D, E
K0	ELK	PL	EB5	ELEC BOARD 05	KEO	688	A, B, C, D, E
K0	ELK	PL	EB6	ELEC BOARD 06	KEO	688	A, B, C, D, E
K0	ELK	SX	CX	KEOWEE XFMR CX DISC SW	KEO	702	A, B, C, D, E
K0	ELK	TF	0001	MAIN TRANSFORMER	KEO	702	A, B, C, D, E
K0	ELK	TF	CX	TRANSFORMER CX	KEO	702	A, B, C, D, E
K1	AG	TK	0001	AIR RECEIVER TANK	KEO	683	A, B, C, D, E
K1	CO	PS	063F	GEN 1 CO2 RELEASE PRESS SWITCH (63F/PS2_1)	KEO	683	A, B, C, D, E
K1	CO	SV	20F1	GEN 1 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K1	CO	SV	20F2	GEN 1 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K1	CO	SV	20P1	GEN 1 CO2 CYL RELEASE VALVE (MAIN BANK)	KEO	702	A, B, C, D, E
K1	CO	SV	20P2	GEN 1 CO2 CYL RELEASE VALVE (MAIN BANK)	KEO	702	A, B, C, D, E
K1	ELK	BA	KB1	BATT BANK 1	KEO	675	A, B, C, D, E
K1	ELK	BC	KC1	BATT CHARGER 1 (KC-1)	KEO	675	A, B, C, D, E
K1	ELK	BD	CB01	CONTROL BOARD 01	KEO	688	A, B, C, D, E
K1	ELK	BD	CB02	CONTROL BOARD 02	KEO	688	A, B, C, D, E
K1	ELK	BD	CB03	CONTROL BOARD 03	KEO	688	A, B, C, D, E
K1	ELK	BD	CB04	CONTROL BOARD 04	KEO	688	A, B, C, D, E
K1	ELK	BS	GENACB13	13.8 KV BUS FROM GEN #1 TO ACB1 AND ACB3	KEO	702	A, B, C, D, E
K1	ELK	BS	MTFACB1	13.8 KV BUS FROM ACB1 TO MAIN XFMR	KEO	702	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K1	ELK	CA	0103	TERMINAL BOX 103 (WIRING ONLY)	KEO	675	A, B, C, D, E
K1	ELK	CA	0127	TERMINAL BOX 127	KEO	683	A, B, C, D, E
K1	ELK	CA	1LC1	LOGIC CABINET 1	KEO	688	A, B, C, D, E
K1	ELK	CA	1LC2	LOGIC CABINET 2	KEO	688	A, B, C, D, E
K1	ELK	CA	1LC3	LOGIC CABINET 3	KEO	688	A, B, C, D, E
K1	ELK	CA	1MTC1	U1 MISC TERM CAB 1MTC1	KEO	675	A, B, C, D, E
K1	ELK	CA	1MTC2	U1 MISC TERM CAB 1MTC2	KEO	675	A, B, C, D, E
K1	ELK	MX	1XA	600V AC MCC 1XA	KEO	683	A, B, C, D, E
K1	ELK	PL	1DA	125V DC DIST CENTER 1DA	KEO	675	A, B, C, D, E
K1	ELK	PL	1EC1	EXC CUBICLE 1	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC2	EXC CUBICLE 2	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC3	EXC CUBICLE 3	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC4	EXC CUBICLE 4	KEO	702	A, B, C, D, E
K1	ELK	PL	1EC5	EXC CUBICLE 5	KEO	702	A, B, C, D, E
K1	ELK	PL	1TGP1	TURBINE GAUGE PANEL (UNIT 1)	KEO	683	A, B, C, D, E
K1	ELK	PL	EB1	ELEC BOARD 01	KEO	688	A, B, C, D, E
K1	ELK	PL	EB2	ELEC BOARD 02	KEO	688	A, B, C, D, E
K1	ELK	PL	EB3	ELEC BOARD 03	KEO	688	A, B, C, D, E
K1	ELK	PL	EB4	ELEC BOARD 04	KEO	688	A, B, C, D, E
K1	ELK	PL	EFBP1	EMERGENCY FEEDER BREAKER NO. 1	KEO	702	A, B, C, D, E
K1	ELK	PL	GBP	GENERATOR BREAKER PANEL	KEO	702	A, B, C, D, E
K1	ELK	PL	KA	120V AC PPB KA	KEO	683	A, B, C, D, E
K1	ELK	PL	MODP	MOTOR OPERATED DISCONNECT PANEL	KEO	702	A, B, C, D, E
K1	ELK	SH	1X	600V AC SWGR 1X	KEO	702	A, B, C, D, E
K1	ELK	SX	1E	U1 XFMR 1E DISC SW	KEO	702	A, B, C, D, E
K1	ELK	SX	1X	TRANSFORMER 1X DISCONNECT SWITCH	KEO	702	A, B, C, D, E
K1	ELK	TF	1E	EXCITATION TRANSFORMER 1E	KEO	702	A, B, C, D, E
K1	ELK	TF	1X	600V AC SWGR 1X TRANSFORMER	KEO	702	A, B, C, D, E
K1	ELK	TN	0101	TERMINAL BOX 101	KEO	683	A, B, C, D, E
K1	ELK	TN	0102	TERMINAL BOX 102	KEO	683	A, B, C, D, E
K1	ELK	TN	0109	TERMINAL BOX 109	KEO	683	A, B, C, D, E
K1	ELK	TN	0113	TERMINAL BOX 113 (WIRING ONLY)	KEO	683	A, B, C, D, E
K1	ELK	TN	0121	TERMINAL BOX 121 (WIRING ONLY)	KEO	683	A, B, C, D, E
K1	ELK	TN	0123	TERMINAL BOX 123 (WIRING ONLY)	KEO	683	A, B, C, D, E
K1	GA	HX	0001	GEN AIR COOLER 1	KEO	695	A, B, C, D, E
K1	GA	HX	0002	GEN AIR COOLER 2	KEO	695	A, B, C, D, E
K1	GA	HX	0003	GEN AIR COOLER 3	KEO	695	A, B, C, D, E
K1	GA	HX	0004	GEN AIR COOLER 4	KEO	695	A, B, C, D, E
K1	GA	HX	0005	GEN AIR COOLER 5	KEO	695	A, B, C, D, E
K1	GA	HX	0006	GEN AIR COOLER 6	KEO	695	A, B, C, D, E
K1	GBO	HX	0001	TURB GUIDE BRNG OIL COOLER	KEO	667	A, B, C, D, E
K1	GBO	LS	63TA	TURB GUIDE BRNG OIL LEVEL SWITCH (1GBOLT0001)	KEO	675	A, B, C, D, E
K1	GBO	LS	63TB	TURB GUIDE BRNG OIL LEVEL SWITCH (1GBOLT0002)	KEO	675	A, B, C, D, E
K1	GBO	PU	088A	AC BRNG OIL PUMP (88A)	KEO	667	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K1	GBO	PU	088D	DC BRNG OIL PUMP (88D)	KEO	667	A, B, C, D, E
K1	GCS	CA	SS1A	GOVERNOR SPEED CONTOL CABINET SS1A	KEO	667	A, B, C, D, E
K1	GCS	CA	SS1B	GOVERNOR SPEED CONTOL CABINET SS1B	KEO	667	A, B, C, D, E
K1	GEN	GN	0001	KEOWEE UNIT 1 GENERATOR	KEO	683	A, B, C, D, E
K1	GEN	PC	GPC1	GEN POT CUBICLE UNIT 1 (1 PER PHASE)	KEO	702	A, B, C, D, E
K1	GEN	PL	BPC1	BUS POT CUBICLE UNIT 1 (1 PER PHASE)	KEO	702	A, B, C, D, E
K1	GEN	PL	NEUCUB	NEUTRAL CUBICLE 1	KEO	683	A, B, C, D, E
K1	HPO	HX	0001	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0002	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0003	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0004	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0005	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0006	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0007	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	HX	0008	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K1	HPO	LS	63BLH	LEVEL SWITCH (1HPOLS0001)	KEO	683	A, B, C, D, E
K1	HPO	LS	63BLL	LEVEL SWITCH (1HPOLS0002)	KEO	683	A, B, C, D, E
K1	HPO	PU	88HA	AC GEN HP LIFT PUMP (88HA)	KEO	675	A, B, C, D, E
K1	HPO	PU	88HD	DC GEN HP LIFT PUMP (88HD)	KEO	675	A, B, C, D, E
K1	MT	PS	0009	TURBINE PIT PRESS SWITCH	KEO	675	A, B, C, D, E
K1	MT	TR	0001	KEOWEE UNIT 1 TURBINE	KEO	702	A, B, C, D, E
K1	OG	TK	0001	GOVERNOR ACTUATOR	KEO	683	A, B, C, D, E
K1	OG	TK	0002	GOVERNOR OIL SUMP TANK	KEO	683	A, B, C, D, E
K1	OG	TK	0003	GOVERNOR OIL PRESS TANK	KEO	683	A, B, C, D, E
K1	PMG	DT	MPU1A	SPEED CONTROL MAGNETIC PICKUP 1A	KEO	667	A, B, C, D, E
K1	PMG	DT	MPU1B	SPEED CONTROL MAGNETIC PICKUP 1B	KEO	667	A, B, C, D, E
K1	PMG	DT	MPU1C	SPEED CONTROL MAGNETIC PICKUP 1C	KEO	667	A, B, C, D, E
K1	TS	LS	63SA	TURB SUMP LEVEL SWITCH (1TSLS0001)	KEO	675	A, B, C, D, E
K1	TS	LS	63SB	TURB SUMP LEVEL SWITCH (1TSLS0002)	KEO	675	A, B, C, D, E
K1	TS	PU	88SA	AC SUMP PUMP (88SA)	KEO	675	A, B, C, D, E
K1	TS	PU	88SD	DC SUMP PUMP (88SD)	KEO	675	A, B, C, D, E
K1	WL	VA	0011	GEN COOL ISOL VALVE (1WL-11)	KEO	683	A, B, C, D, E
K2	AG	TK	0001	AIR RECEIVER TANK	KEO	683	A, B, C, D, E
K2	CO	PS	063F	GEN 2 CO2 RELEASE PRESS SWITCH (63F/PS2_2)	KEO	683	A, B, C, D, E
K2	CO	SV	20F3	GEN 2 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K2	CO	SV	20F4	GEN 2 CO2 RELEASE VALVE	KEO	683	A, B, C, D, E
K2	CO	SV	20P3	GEN 2 CO2 CYL RELEASE VALVE (RESERVE BANK)	KEO	702	A, B, C, D, E
K2	CO	SV	20P4	GEN 2 CO2 CYL RELEASE VALVE (RESERVE BANK)	KEO	702	A, B, C, D, E
K2	ELK	BA	KB2	BATT BANK 2	KEO	675	A, B, C, D, E
K2	ELK	BC	KC2	BATT CHARGER 2 (KC-2)	KEO	675	A, B, C, D, E
K2	ELK	BD	CB07	CONTROL BOARD 07	KEO	688	A, B, C, D, E
K2	ELK	BD	CB08	CONTROL BOARD 08	KEO	688	A, B, C, D, E
K2	ELK	BD	CB09	CONTROL BOARD 09	KEO	688	A, B, C, D, E
K2	ELK	BD	CB10	CONTROL BOARD 10	KEO	688	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K2	ELK	BS	GENACB24	13.8 KV BUS FROM GEN #2 TO ACB2 AND ACB4	KEO	702	A, B, C, D, E
K2	ELK	BS	MTFACB2	13.8 KV BUS FROM ACB2 TO MAIN XFMR	KEO	702	A, B, C, D, E
K2	ELK	CA	2LC1	LOGIC CABINET 1	KEO	688	A, B, C, D, E
K2	ELK	CA	2LC2	LOGIC CABINET 2	KEO	688	A, B, C, D, E
K2	ELK	CA	2LC3	LOGIC CABINET 3	KEO	688	A, B, C, D, E
K2	ELK	CA	2MTC1	U2 MISC TERM CAB 2MTC1	KEO	675	A, B, C, D, E
K2	ELK	CA	2MTC2	U2 MISC TERM CAB 2MTC2	KEO	675	A, B, C, D, E
K2	ELK	MX	2XA	600V AC MCC 2XA	KEO	683	A, B, C, D, E
K2	ELK	PL	2DA	125V DC DIST CENTER 2DA	KEO	675	A, B, C, D, E
K2	ELK	PL	2EC1	EXC CUBICLE 1	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC2	EXC CUBICLE 2	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC3	EXC CUBICLE 3	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC4	EXC CUBICLE 4	KEO	702	A, B, C, D, E
K2	ELK	PL	2EC5	EXC CUBICLE 5	KEO	702	A, B, C, D, E
K2	ELK	PL	2TGP1	TURBINE GAUGE PANEL (UNIT 2)	KEO	683	A, B, C, D, E
K2	ELK	PL	EB10	ELEC BOARD 10	KEO	688	A, B, C, D, E
K2	ELK	PL	EB7	ELEC BOARD 07	KEO	688	A, B, C, D, E
K2	ELK	PL	EB8	ELEC BOARD 08	KEO	688	A, B, C, D, E
K2	ELK	PL	EB9	ELEC BOARD 09	KEO	688	A, B, C, D, E
K2	ELK	PL	EFBP2	EMERGENCY FEEDER BREAKER NO. 2	KEO	702	A, B, C, D, E
K2	ELK	PL	GBP	GENERATOR BREAKER PANEL	KEO	702	A, B, C, D, E
K2	ELK	PL	KB	120V AC PPB KB	KEO	683	A, B, C, D, E
K2	ELK	PL	MODP	MOTOR OPERATED DISCONNECT PANEL	KEO	702	A, B, C, D, E
K2	ELK	SH	2X	600V AC SWGR 2X	KEO	702	A, B, C, D, E
K2	ELK	SX	2E	U2 XFMR 2E DISC SW	KEO	702	A, B, C, D, E
K2	ELK	SX	2X	TRANSFORMER 2X DISCONNECT SWITCH	KEO	702	A, B, C, D, E
K2	ELK	TF	2E	EXCTIATION TRANSFORMER 2E	KEO	702	A, B, C, D, E
K2	ELK	TF	2X	13.8KV/600V AC SWGR 2X TRANSFORMER	KEO	702	A, B, C, D, E
K2	ELK	TN	0201	TERM BOX TB-201	KEO	683	A, B, C, D, E
K2	ELK	TN	0202	TERM BOX TB-202	KEO	683	A, B, C, D, E
K2	ELK	TN	0203	TERM BOX TB-203	KEO	675	A, B, C, D, E
K2	ELK	TN	0227	TERM BOX TB-227	KEO	683	A, B, C, D, E
K2	GA	HX	0001	GEN AIR COOLER 1	KEO	667	A, B, C, D, E
K2	GA	HX	0002	GEN AIR COOLER 2	KEO	667	A, B, C, D, E
K2	GA	HX	0003	GEN AIR COOLER 3	KEO	667	A, B, C, D, E
K2	GA	HX	0004	GEN AIR COOLER 4	KEO	667	A, B, C, D, E
K2	GA	HX	0005	GEN AIR COOLER 5	KEO	667	A, B, C, D, E
K2	GA	HX	0006	GEN AIR COOLER 6	KEO	667	A, B, C, D, E
K2	GBO	HX	0001	TURB GUIDE BRNG OIL COOLER	KEO	667	A, B, C, D, E
K2	GBO	LS	63TA	TURB GUIDE BRNG OIL LEVEL SWITCH (2GBOLT0001)	KEO	675	A, B, C, D, E
K2	GBO	LS	63TB	TURB GUIDE BRNG OIL LEVEL SWITCH (2GBOLT0002)	KEO	675	A, B, C, D, E
K2	GBO	PU	088A	AC BRNG OIL PUMP (88A)	KEO	667	A, B, C, D, E
K2	GBO	PU	088D	DC BRNG OIL PUMP (88D)	KEO	667	A, B, C, D, E
K2	GCS	CA	SS2A	GOVERNOR SPEED CONTOL CABINET SS2A	KEO	667	A, B, C, D, E

Attachment 1

Oconee Unit 3, SWEL-1, Base 1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
K2	GCS	CA	SS2B	GOVERNOR SPEED CONTOL CABINET SS2B	KEO	667	A, B, C, D, E
K2	GEN	GN	0001	KEOWEE UNIT 2 GENERATOR	KEO	683	A, B, C, D, E
K2	GEN	PC	GPC2	GEN POT CUBICLE UNIT 2 (1 PER PHASE)	KEO	702	A, B, C, D, E
K2	GEN	PL	BPC2	BUS POT CUBICLE UNIT 2 (1 PER PHASE)	KEO	702	A, B, C, D, E
K2	GEN	PL	NEUCUB	NEUTRAL CUBICLE 2	KEO	683	A, B, C, D, E
K2	HPO	HX	0001	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0002	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0003	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0004	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0005	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0006	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0007	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	HX	0008	GEN THRUST BRNG COOLER	KEO	667	A, B, C, D, E
K2	HPO	LS	63BLH	LEVEL SWITCH (2HPOLS0001)	KEO	683	A, B, C, D, E
K2	HPO	LS	63BLL	LEVEL SWITCH (2HPOLS0002)	KEO	683	A, B, C, D, E
K2	HPO	PU	88HA	AC GEN HP LIFT PUMP (88HA)	KEO	675	A, B, C, D, E
K2	HPO	PU	88HD	DC GEN HP LIFT PUMP (88HD)	KEO	675	A, B, C, D, E
K2	MT	PS	0009	TURB PIT PRESS SWITCH	KEO	675	A, B, C, D, E
K2	MT	TR	0001	KEOWEE UNIT 2 TURBINE	KEO	683	A, B, C, D, E
K2	OG	TK	0001	GOVERNOR ACTUATOR	KEO	683	A, B, C, D, E
K2	OG	TK	0002	GOVERNOR OIL SUMP TANK	KEO	683	A, B, C, D, E
K2	OG	TK	0003	GOVERNOR OIL PRESS TANK	KEO	683	A, B, C, D, E
K2	PMG	DT	MPU1A	SPEED CONTROL MAGNETIC PICKUP 1A	KEO	667	A, B, C, D, E
K2	PMG	DT	MPU1B	SPEED CONTROL MAGNETIC PICKUP 1B	KEO	667	A, B, C, D, E
K2	PMG	DT	MPU1C	SPEED CONTROL MAGNETIC PICKUP 1C	KEO	667	A, B, C, D, E
K2	TS	LS	63SA	TURB SUMP LEVEL SWITCH (2TSLS0001)	KEO	675	A, B, C, D, E
K2	TS	LS	63SB	TURB SUMP LEVEL SWITCH (2TSLS0002)	KEO	675	A, B, C, D, E
K2	TS	PU	88SA	AC SUMP PUMP (88SA)	KEO	675	A, B, C, D, E
K2	TS	PU	88SD	DC SUMP PUMP (88SD)	KEO	675	A, B, C, D, E
K2	WL	VA	0011	GEN COOL ISOL VALVE (2WL-11)	KEO	683	A, B, C, D, E

Attachment 2

Oconee Unit 3, SWEL-1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
0	DA	TK	000C	DIESEL STARTING AIR TANK C	SSF	777	B,C
0	EL	CA	SYTC1	SWYD TERMINAL CABINET 01	SYD	770	A, B, C, D, E
0	EL	SH	B1T05	SK1 CT4 TO STDBY BUS 1 FDR BKR SECTION	BH1	796	A, B, C, D, E
0	EL	TF	0CT4	XFMR CT-4	BH3	796	A, B, C, D, E
0	FO	TK	0003	SSF DIESEL OIL DAY TANK	SSF	777	B,C
0	SSF	BA	DCSF	DCSF SSF NORMAL BATTERY	SSF	777	A, B, C, D, E
0	SSF	MX	XSF	MCC XSF(600V)	SSF	777	A, B, C, D, E
0	SSF	SH	OTS1	OTS1 SSF ESSENTIAL SWGR 4160V	SSF	777	A, B, C, D, E
0	SYD	BC	SY2	230KV SWYD BATTERY CHARGER SY2	SYD	770	A, B, C, D, E
0	SYD	BD	RB02	SWITCHYARD RELAY BOARD RB02	SYD	770	A, B, C, D, E
0	SYD	BD	RF17	SWITCHYARD RELAY BOARD RF17	SYD	770	A, B, C, D, E
0	SYD	BD	SRF17	SWITCHYARD RELAY BOARD SRF17	SYD	770	A, B, C, D, E
0	SYD	BK	PCB08	230KV AC POWER CIRCUIT BREAKER 08 (PCB-08)	SYD	770	A, B, C, D, E
0	SYD	PL	DYC	DC PANELBOARD C	SYD	770	A, B, C, D, E
0	SYD	PL	DYE	DC PANELBOARD E	SYD	770	A, B, C, D, E
0	SYD	PL	SYDC1	SWITCHYARD DISTRIBUTION CENTER 1	SYD	770	A, B, C, D, E
0	SYD	TF	RBPT	RED BUS POTENTIAL TRANSFORMER (EGPS)	SYD	770	A, B, C, D, E
0	VS	AH	0042	AHU 0-42 HEATING AND A/C SSF BUILDING	SSF	817	B,C
0	VS	AH	0044EX6	SSF ON LINE EXHAUST FAN & MOTOR	SSF	817	B,C
0	VS	DA	CD01	SSF CONSTANT VENTILATION (VS-AH-0044EX1) EXHAUST FAN DAMPER	SSF	817	B,C
0	VS	PS	SSFPS03	SSF ON-LINE VENTILATION SYSTEM SUPPLY FAN	SSF	822	A, B, C, D, E
0	VS	TT	SSFCT2	HVAC TEMPERATURE CONTROLLER (FOR SSF-CP-1)	SSF	822	A, B, C, D, E
3	BAG	BD	3AB3	CONTROL BOARD 3AB3	AB	822	A, B, C, D, E
3	BS	VA	0004	RBS PUMP SUCTION ISOL	AB	758	E
3	C	DM	000B	POLISHING DEMINERALIZER 3B	TB	775	D
3	C	LT	0036	UST 3A LEVEL	TB	838	D
3	C	PS	0227	CONDENSATE BOOSTER PUMP SUCTION HEADER PRESS LOW	TB	775	D
3	C	TK	0003	SLURRY TANK	TB	775	D
3	C	TK	000C	UPPER SURGE TANK DOME	TB	838	D
3	CC	PL	0287	REMOTE STARTER ENCLOSURE FOR 3CCW-287	SSF	758	D
3	CC	VA	0268	SSF ASW PUMP DISCH ISOL	SSF	754	D
3	CRD	CA	CC2	CONTROL CABINET CC-2	AB	809	A
3	CRD	CA	CC5	CONTROL CABINET CC-5	AB	809	A
3	CS	VA	0005	QUENCH TANK DRAIN	RB	777	A, B, C
3	EHC	CA	EHC1	EHC CAB 3EHC1	AB	809	D
3	EL	BA	3CA	CONTROL BATT 3CA	AB	809	A, B, C, D, E
3	EL	BA	3PA	PWR BATT 3PA	TB	796	A, B, C, D, E
3	EL	BC	3CA	CONTROL BATT CHGR 3CA	AB	796	A, B, C, D, E
3	EL	BC	3PA	PWR BATT CHGR 3PA	TB	796	A, B, C, D, E
3	EL	BI	3DIC	120V STATIC INV 3DIC	AB	796	A, B, C, D, E
3	EL	BK	3A	240/120V 3A REGULATOR OUTPUT BKR	AB	796	A, B, C, D, E
3	EL	CA	3EB1	ELECTRICAL BOARD 3EB1	AB	822	A, B, C, D, E
3	EL	CA	3MTC3	MISC TERM CAB 3MTC3	AB	809	A, B, C, D, E
3	EL	CA	3TTC4	TURB TERM CAB 3TTC4	TB	796	A, B, C, D, E

Attachment 2

Oconee Unit 3, SWEL-1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	EL	CA	SGLC3	STEAM GEN LOGIC CABINET	AB	809	A, B, C, D, E
3	EL	IR	MC33	INSTRUMENT RACK 3MC-33	TB	775	D
3	EL	LX	3X2	600V LC 3X02	TB	796	A, B, C, D, E
3	EL	LX	3X8	600V LC 3X08	AB	796	A, B, C, D, E
3	EL	MX	3XAA	208V MCC 3XA-A	TB	796	D
3	EL	MX	3XGB	MCC 3XGB	TB	796	D
3	EL	MX	3XJ	600V MCC 3XJ	AB	809	D
3	EL	MX	3XL	MCC 3XL	AB	771	A, B, C
3	EL	MX	3XO	MCC 3XO	AB	796	A, B, C, D, E
3	EL	MX	3XS2	MCC 3XS2	AB	796	A, B, C, D, E
3	EL	MX	3XT	MCC 3XT	AB	838	D
3	EL	PL	3CPS	3 POWDEX PANEL	TB	775	D
3	EL	PL	3EPSLP2	EPSL PANEL 3EPSLP2	AB	809	A, B, C, D, E
3	EL	PL	3KRA	120V PPB 3KRA	AB	809	A, B, C, D, E
3	EL	PL	3SKJ	208/120V PPB 3SKJ	AB	809	A, B, C, D, E
3	EL	PL	3TCPA	TURB CONT PANEL 3TCPA	TB	796	A, B, C, D, E
3	EL	SH	3B1T02	RELAYS SECTION	BH3	796	A, B, C, D, E
3	EL	SH	3TC01	3TC BUS 1 INCOMING FDR BKR SECTION	TB	796	A, B, C, D, E
3	EL	SX	3KXBKUP	BACKUP TRANSFER SWITCH 3KX	AB	796	A, B, C, D, E
3	EL	TF	3XGA	XFMR 3XGA (600V TO 208V)	TB	796	A, B, C, D, E
3	EL	TF	3XT	XFMR 3XT (600V TO 208V)	AB	838	A, B, C, D, E
3	EL	TN	2345	TERMINAL BOX TB-2345	AB	809	B
3	EL	TN	2353	TERMINAL BOX TB-2353	TB	796	D
3	ES	CA	3ESTC1	ESFAS ODD CH TERM CAB 3ESTC1	AB	809	A, B, C, D, E
3	ESV	PL	0001	UNIT 3 ESV LOCAL CONTROL PANEL	ESV	797	D
3	ESV	PT	0002	ESV TANK PRESSURE TRANSMITTER	ESV	797	D
3	ESV	TF	0003	600/240/120V 3SKN POWER TRANSFORMER	ESV	797	D
3	FD	FT	0153	3A EFW HEADER FLOW TRANSMITTER	AB	783	D
3	FD	LT	0082	SG 3A LEVEL TRANSMITTER	RB	777	D
3	FD	PL	0368	REMOTE STARTER ENCLOSURE FOR 3FDW-368	AB	809	D
3	FD	PS	0383	FWPT 3A CONTROL OIL PRESS SWITCH	TB	775	D
3	FD	PU	0003	TDEFW PUMP	TB	775	D
3	FD	VA	0086	PRESS REG TD PUMP SEALS	TB	775	D
3	FD	VA	0218	PRESS REG TD PUMP SEALS	TB	775	D
3	HP	VA	0004	LETDOWN ISOLATION	RB	777	B
3	HPI	EP	0075	RCP SEAL INJECTION FLOW	AB	783	B
3	HPI	FT	0157	U3 RC MAKE UP PUMP FLOW	RB	777	B
3	HPI	HX	000B	LETDOWN COOLER 3B	RB	777	B
3	HPI	HX	001A	RC SEAL RETURN COOLER 3A	AB	771	B
3	HPI	PL	0409	REMOTE STARTER ENCLOSURE FOR 3HP-409	AB	796	A,B,C
3	HPI	PS	0357	LETDOWN FLOW TEMP HIGH INTERLOCK	AB	783	B
3	HPI	PU	0003	HPI PUMP 3C	AB	758	A,B,C
3	LP	VA	0021	BWST SUCTION ISOLATION	AB	771	A,B,C,D
3	LPI	PU	0001	3LPI PUMP A	AB	758	D

Attachment 2

Oconee Unit 3, SWEL-1 Equipment List

Unit	Sys	Type	Number	Description	Bldg.	FL_EL	Safety Function
3	LPS	FL	000B	LPSW PUMP B STRAINER	TB	775	D
3	LPS	PU	0001	LPSW PUMP 3A	TB	775	D
3	LPS	SV	0203	MOTOR DRIVEN EFDW PUMP MTR 3B COOLING WATER FLOW	TB	775	C
3	MS	PS	0088	MAIN STEAM PRESS SWITCH (3MS-28)	TB	796	D
3	MS	PT	1007	AFIS ANALOG CHANNEL 3 - 3B S/G HDR PRESSURE	TB	796	D
3	MS	VA	0031	TURBINE BYPASS VALVE	TB	796	D
3	MS	VA	0036	FWPT ISOLATION	TB	796	D
3	MS	VA	0043	FWPT 3B STOP VALVE (MS-43/SV12)	TB	775	D
3	MS	VA	0093	TDEFW MS ISOLATION VALVE	TB	775	D
3	PPS	CA	0001	RPS A/ES A1	AB	822	A, B, C, D, E
3	PPS	CA	0012	ES VOTER ODD	AB	822	A, B, C, D, E
3	PPS	CA	0018	ES STATUS EVEN	AB	822	A, B, C, D, E
3	RBC	AH	0020C	RBCU FAN 3C	RB	825	E
3	RBC	HX	000A	RB COOLING UNIT 3A	RB	817	E
3	RC	LT	0004P1	PRZ LEVEL TRANSMITTER	RB	797	B,C
3	RC	LT	0123	3A RCS HOT LEG LVL (ICCM A)	AB	809	B
3	RC	PL	3RC1	3RC-1 SPRAY VALVE CONTROL BOX	AB	796	B
3	RC	PT	0022P	RC PRESS XMTR (ES CH B)	RB	825	B
3	RC	PT	0226	U3 RC LOOP B PRESSURE	RB	817	C,D
3	RC	RD	0084A	REACTOR OUTLET LOOP 3A	RB	844	C,D
3	RC	VA	0066	PRZ PORV	RB	853	B,C
3	RC	VA	0159	RV VENT ISOLATION	RB	844	A,B,C
3	SC	HX	000B	GENERATOR WATER COOLER 3B	TB	775	D
3	SF	TK	0002	INCORE INST HANDLING TANK	RB	797	A,C,D
3	TO	VA	0059	EFW PUMP TURBINE OIL PR VALVE	TB	775	C
3	VS	AH	0014	AHU-3-14	AB	838	A
K0	ELK	TF	0001	MAIN TRANSFORMER	KEO	702	A, B, C, D, E
K1	CO	SV	20P2	GEN 1 CO2 CYL RELEASE VALVE (MAIN BANK)	KEO	702	A, B, C, D, E
K1	ELK	BA	KB1	BATT BANK 1	KEO	675	A, B, C, D, E
K1	ELK	BD	CB01	CONTROL BOARD 01	KEO	688	A, B, C, D, E
K1	ELK	CA	1MTC1	U1 MISC TERM CAB 1MTC1	KEO	675	A, B, C, D, E
K1	ELK	MX	1XA	600V AC MCC 1XA	KEO	683	A, B, C, D, E
K1	ELK	TN	0109	TERMINAL BOX 109	KEO	683	A, B, C, D, E
K1	OG	TK	0003	GOVERNOR OIL PRESS TANK	KEO	683	A, B, C, D, E
K1	PM	DT	MPU1A	SPEED CONTROL MAGNETIC PICKUP 1A	KEO	667	A, B, C, D, E
K1	WL	VA	0011	GEN COOL ISOL VALVE (1WL-11)	KEO	683	A, B, C, D, E
K2	ELK	BC	KC2	BATT CHARGER 2 (KC-2)	KEO	675	A, B, C, D, E
K2	ELK	CA	2MTC1	U2 MISC TERM CAB 2MTC1	KEO	675	A, B, C, D, E
K2	ELK	PL	2DA	125V DC DIST CENTER 2DA	KEO	675	A, B, C, D, E
K2	ELK	TN	0203	TERM BOX TB-203	KEO	675	A, B, C, D, E
K2	GA	HX	0003	GEN AIR COOLER 3	KEO	667	A, B, C, D, E
K2	HPO	PU	88HA	AC GEN HP LIFT PUMP (88HA)	KEO	675	A, B, C, D, E
K2	TS	LS	63SB	TURB SUMP LEVEL SWITCH (2TSLS0002)	KEO	675	A, B, C, D, E

Attachment 3

Oconee Unit 3, SWEL-2, , Base-2 and Rapid Drawdown List

EQ. ID	Description	Sys	EQ. Class	BLDG	Col #	Elev	Room #	Safety Function
3SFPU0001	3A SF Pump	SF	05/Horizonal Pump	Aux. Building		783' 9"	255	SF Pool Cooling
3SFPU0002	3B SF Pump	SF	05/Horizonal Pump	Aux. Building		783' 9"	255	SF Pool Cooling
3SFPU0004	BWST Recirculation Pump	SF	06/Vertical Pump	Aux. Building		783' 9"	255	SF Pool Cooling
3SFPU0003	3C SF Pump	SF	05/Horizonal Pump	Aux. Building		783' 9"	255	SF Pool Cooling
3SFHX000A	A SF Cooler	SF	21/Heat Exchanger	Aux. Building		783' 9"	255	SF Pool Cooling
3SFHX000B	B SF Cooler	SF	21/Heat Exchanger	Aux. Building		783' 9"	255	SF Pool Cooling
3SFHX000C	C SF Cooler	SF	21/Heat Exchanger	Aux. Building		783' 9"	255	SF Pool Cooling
3SFFL000A	3A SF Filter	SF	21/Tank-heat exchanger	Aux Building		783' 9"	254	SF Pool Cooling
3SFFL000B	3B SF Filter	SF	21/Tank-heat exchanger	Aux Building		783' 9"	254	SF Pool Cooling
3SFDM0001	3 SF Demin	SF	21/Tank-heat exchanger	Aux Building		783' 9"	254	SF Pool Cooling

Attachment 4

Oconee Unit 3, SWEL-2 List

EQ. ID	Description	Sys	EQ. Class	BLDG	Col #	Elev	Room #	Safety Function
3SFPU0001	3A SF Pump	SF	05/Horizonal Pump	Aux. Building		783' 9"	255	SF Pool Cooling
3SFPU0002	3B SF Pump	SF	05/Horizonal Pump	Aux. Building		783' 9"	255	SF Pool Cooling
3SFPU0003	3C SF Pump	SF	05/Horizonal Pump	Aux. Building		783' 9"	255	SF Pool Cooling
3SFHX000A	A SF Cooler	SF	21/Heat Exchanger	Aux. Building		783' 9"	255	SF Pool Cooling
3SFHX000B	B SF Cooler	SF	21/Heat Exchanger	Aux. Building		783' 9"	255	SF Pool Cooling
3SFHX000C	C SF Cooler	SF	21/Heat Exchanger	Aux. Building		783' 9"	255	SF Pool Cooling

Enclosure 4
List of Voluntary Regulatory Commitments

The following commitment table identifies those actions committed to by Duke Energy Carolinas, LLC (Duke Energy) in this submittal. Other actions discussed in the submittal represent intended or planned actions by Duke Energy. They are described to the Nuclear Regulatory Commission (NRC) for the NRC's information and are not regulatory commitments.

Contained in the NRC endorsed EPRI document (EPRI 1025286) that provides guidance to satisfy the NRC requested information are the following statements:

Section 8, Submittal Report: For those cases where some SWEL items were inaccessible within the 180-day reporting period, an updated submittal report should be submitted later.

Appendix H, Item d: Provide a schedule for completing any licensing basis evaluations not finished by the time the report of this program must be submitted to the NRC.

Therefore, the following voluntary commitments are being made to satisfy the EPRI Guidance:

	Commitment	Completion Date
1	Duke Energy will submit an update report after walkdowns of the ONS Unit 1, and common, inaccessible components described in Enclosure 1 are complete.	July 1, 2013
2	Duke Energy will submit an update report after walkdowns of the ONS Unit 2 inaccessible components described in Enclosure 2 are complete.	April 15, 2014
3	Duke Energy will submit an update report after walkdowns of the ONS Unit 3 inaccessible components described in Enclosure 3 are complete.	September 1, 2014

(Note: Inaccessible items that are common to all 3 units are listed in all 3 enclosures but will be walked down and reported in the Unit 1 update report only.)