



NRC Meeting 2007 LA and ISAS Update

19 December 2007

Enclosure 3



Agenda

- Submittal
- Strategy
- LA Summary of Changes
- ISAS Summary of Changes
- 2008 LA/ISAS Look ahead
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Submittal

- 2007 LA Update
 - ISAS and LA Revision Summary
 - Cross referenced
 - Name change and QL-1a, 1b → QL-1 not included
 - 17 December 2007 License Application
 - List of effective pages
 - No changes → previous revision date retained
 - Affidavit
- Redacted 2007 LA

Submittal

- 2007 ISAS Update
 - ISAS and LA Revision Summary
 - Cross referenced
 - Name change and QL-1a, 1b →QL-1 not included
 - 17 December 2007 Integrated Safety Analysis Summary
 - List of effective pages
 - No changes → previous revision date retained
 - Affidavit

Strategy

- Required changes
 - Project changes
 - PP8-6, *Licensing Basis Configuration Management*
 - Inspector followup items
 - Requests for Additional Information (RAIs)
 - MPQAP Rev 5
 - Name change
 - Identified errors
 - Preliminary NRC exchanges not used as basis for update

2007 LA Summary of Changes

- Chapter 1 – General Information
 - Engineering Change Requests (ECRs), code update, inspector followup item
- Chapter 2 – Financial Qualifications
 - No changes
- Chapter 3 – Protection of Classified Matter
 - No changes
- Chapter 4- Organization and Administration
 - Minor editorial changes

2007 LA Summary of Changes

- Chapter 5 – Safety Program and Integrated Safety Analysis
 - Human factors
 - Baseline design criteria
- Chapter 6 – Nuclear Criticality Safety
 - Minor editorial changes
- Chapter 7 – Fire Protection
 - NFPA code version
 - Minor changes

2007 LA Summary of Changes

- Chapter 8 – Chemical Safety
 - Chemical interaction tables
 - Table 8.1-1, *Process Chemical Hazardous Characteristics and Incompatibilities*
 - Editorial changes
- Chapter 9 – Radiation Safety
 - Editorial changes, minor clarifications
- Chapter 10 – Environmental Protection
 - No changes

2007 LA Summary of Changes

- Chapter 11 – Plant Systems
 - Consistent with ISAS Chapter 4
- Chapter 12 – Human Factors Engineering
 - Significant rewrite
 - Additional detail & descriptive text
 - No technical changes
 - No changes to previous program commitments
 - Human Factors Implementation Plan

2007 LA Summary of Changes

- Chapter 13 – Safeguards and Security
 - No changes
- Chapter 14 – Emergency Management
 - No changes
- Chapter 15 – Management Measures
 - Non-technical administrative changes or clarifications

2007 ISAS Summary of Changes

- Chapter 1 – Overview
 - Baseline design criteria
- Chapter 2 – General Site Description
 - No changes
- Chapter 3 – Facility Description
 - Engineering Change Requests (ECRs), code update, inspector followup item

2007 ISAS Summary of Changes

- Chapter 4 – Process and System Descriptions
 - Section 4.1 – MOX Process Description (LA 11.1) & 4.2 – Aqueous Polishing Process Systems (LA 11.2)
 - 41 of 62 subsections had no changes
 - PP8-6 driven
 - Editorial changes
 - Section 4.3 – HVAC and Confinement Systems (LA 11.3)
 - PP8-6 driven
 - Editorial changes
 - Section 4.4 – Electrical Systems (LA 11.4)
 - PP8-6 driven
 - Editorial changes

2007 ISAS Summary of Changes

- Chapter 4 – Process and System Descriptions (*con't*)
 - Section 4.5 – Instrumentation & Control Systems (LA 11.5)
 - PP8-6 driven
 - Editorial changes
 - Section 4.6 – Material Handling Equipment (LA 11.6)
 - No changes
 - Section 4.7 – Fluid Transport Systems (LA 11.7)
 - No changes
 - Section 4.8 – Fluid Systems (LA 11.8)
 - PP8-6 driven
 - Editorial changes

2007 ISAS Summary of Changes

- Chapter 4 – Process and System Descriptions (*con't*)
 - Section 4.9 – Heavy Lift Cranes (LA 11.9)
 - Minor editorial changes
 - Section 4.10 – Laboratory (LA 11.10)
 - Minor editorial changes
 - Section 4.11 – Fire Protection Systems
 - NFPA code version
 - Minor changes
 - Section 4.12 – Radiation Protection
 - Added radiation zone drawings
 - Editorial changes
 - Section 4.13 – Nuclear Incident Monitor System
 - Editorial changes
 - PP8-6

2007 ISAS Summary of Changes

- Chapter 5 – General Integrated Safety Analysis (ISA) Method, ISA Team, & ISA Results
 - Section 5.1 - ISA Method
 - Clarifications
 - PP8-6 driven
 - Human factors
 - Section 5.2 – ISA Team
 - Human factors
 - Section 5.3.1 – Hazard Assessment
 - Chemical interactions tables
 - Clarifications and minor editorial changes
 - Section 5.3.2 – Accident Analysis Results
 - Clarifications
 - Section 5.3.3 – Loss of Confinement Events
 - PP8-6 driven
 - Nuclear Safety Evaluation (NSE) revision

2007 ISAS Summary of Changes

- Chapter 5 – General Integrated Safety Analysis (ISA) Method, ISA Team, & ISA Results (*con't*)
 - Section 5.3.4 – Fire Events
 - PP8-6 driven
 - NSE revision
 - Section 5.3.5 – Load Handling Events
 - PP8-6 driven
 - NSE revision
 - Section 5.3.6 – Explosion Events
 - PP8-6 driven
 - NSE revision

2007 ISAS Summary of Changes

- Chapter 5 – General Integrated Safety Analysis (ISA) Method, ISA Team, & ISA Results (*con't*)
 - Section 5.3.7 – Criticality Events
 - PP8-6 driven
 - Nuclear Criticality Safety Evaluations (NCSEs) Revision 3
 - Sole IROFS
 - Section 5.3.8 – Natural Phenomena
 - PP8-6 driven
 - NSE revision
 - Section 5.3.9 – External Man-Made Events
 - No changes

2007 ISAS Summary of Changes

- Chapter 5 – General Integrated Safety Analysis (ISA) Method, ISA Team, & ISA Results (*con't*)
 - Section 5.3.10 – External Exposure
 - Editorial changes
 - Eliminated section that is redundant with LA Chapter 9 and ISAS 4.12
 - Section 5.3.11 – External Release Events
 - No changes

2008 LA/ISAS Look Ahead

- Request for Additional Information response updates
- Project changes
 - PP8-6 driven
- Crosscutting topics
 - Codes & standards clarification
 - IROFS boundary
 - LA and ISAS duplication