Enclosure 4
Plan for Piping Design Acceptance Criteria
(Redacted)

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Plan for Piping Design Acceptance Criteria

April 30, 2013

(Redacted Version)

This is a pre-application document and includes preliminary design supporting information and is subject to further internal review, revision, or verification.

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Agenda

- Scope of and approach to piping DAC
- Strategy
- Design approach (status at DCA submittal and use of DAC)
- Lessons learned

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Scope/Approach

- **Scope of Piping DAC**
  - ASME Class 1, 2, and 3 piping
  - Where design completion is dependent on as-procured or detailed design information
  - Inclusion of design methodology included in DCA
- **Approach**
  - DCD will include necessary piping DAC as part of ITAAC
  - Demonstrate mPower approach to piping design
  - Closure of DAC during OL reviews and/or during ITAAC closure by COL Licensee

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Strategy

- GmP will include piping design methodology and criteria in the DCA
- Demonstrate conformance to piping design methodology and criteria
- Design completion to be verified by piping design ITAAC closure (i.e., piping DAC)
- Piping DAC expected to be closed generically during detailed design in support of OL applicant and/or COL applicant/licensee
  - Closure coordinated through DCWG interactions to facilitate "one issue, one review, one position" process

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Piping Design Approach

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[CCI per Affidavit 4(a)-(d)]

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Piping Design Approach (cont'd)

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PRELIMINARY

[CCI per Affidavit 4(a)-(d)]

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Piping Design Approach (cont'd)

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[CCI per Affidavit 4(a)-(d)]

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Piping Design Approach (cont'd)

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[CCI per Affidavit 4(a)-(d)]

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Piping Design Completion

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PRELIMINARY

[CCI per Affidavit 4(a)-(d)]

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Lessons Learned

- Lessons learned from previous DCAs to be incorporated into GmP piping DAC:
  - Formatting style will be consistent with previously reviewed DCAs
  - Clear distinction of design completion ITAAC (i.e., DAC) vs. as-built verification ITAAC
  - DAC closure process discussion included in DCD Tier 2 Chapter 14
  - Timely communication with NRC

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Questions?