

generation *mPower*

Plan for Piping Design Acceptance Criteria

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(Redacted Version)

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

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

- **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

- 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 in support of OL applicant and/or COL applicant/licensee
 - Closure coordinated through DCWG interactions to facilitate “one design, one review,” process

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

Piping Design Approach (cont'd)

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

Piping Design Approach (cont'd)

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

Piping Design Approach (cont'd)

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

Piping Design Completion

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

- 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

Questions?