
AP1000 COL Piping Analysis, Hazard Evaluation, and LBB Evaluation August 29, 2006

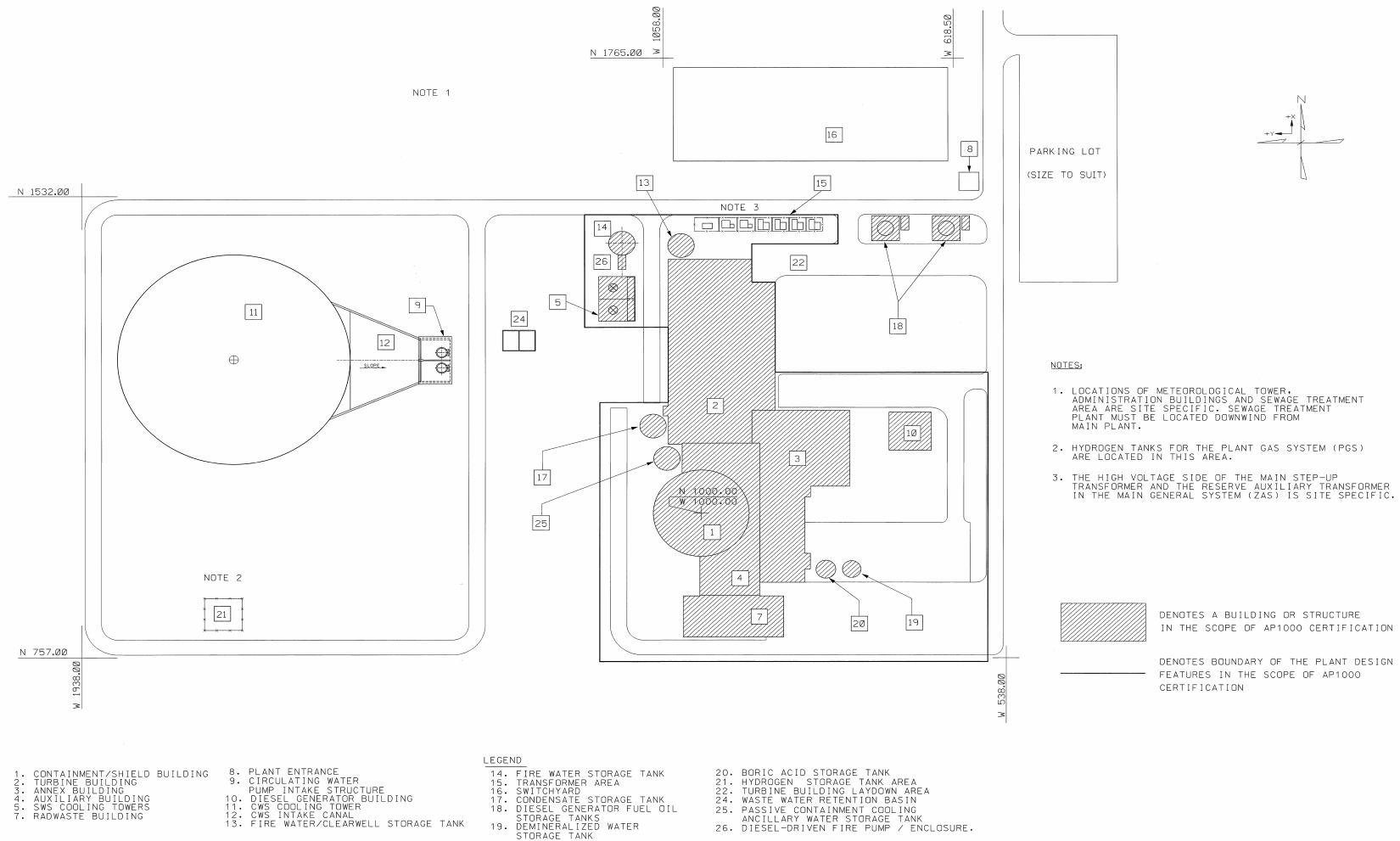
Agenda

- Introduction – Scope and Goals of Meeting 8:30 - 8:45
- Licensing approach and activities - Westinghouse 8:45 - 9:15
- Analysis and Evaluation Activities - Westinghouse 9:15 - 11:15
- Other Regulatory Issues - Westinghouse 11:15 - 11:45
- Initial Identification of items to be reviewed - NRC 11:45 - 12:00
- Public comments - Public/NRC 12:00 - 12:10
- Lunch 12:10 - 1:10
- Detailed review of evaluations, analysis and calculations 1:10 - 5:00

Meeting Objectives

- **Review LBB COL information item and determine what is needed to close**
- **Determine a schedule and scope of deliverables to close Piping DAC**
- **Determine other reviews needed to close piping related COL information items**
- **Discuss the formal mechanism to document the closure of piping DAC**

What's In the Certified Scope? (DCD FIG. 1.2-2)



Licensing Approach and Activities

- **Pre-Application Review**
- **COL Information Item Closures**
- **DAC Completion**
- **As-Built Verification and Inspections**

Pre-Application Review

- **Westinghouse is preparing reports to address COL information items and other design completion activities in support of expected COL applications.**
- **Pre-application activities are in support of standardization of AP1000 COL applications.**
- **Pre-application activities support the NRC Design Centered Review Approach.**

Pre-Application Review

- **The technical reports document COL information item closure activities**
- **A limited number of design changes are documented in technical reports**
- **NuStart review and oversight of technical report preparation and other pre-application activities promote standardization of AP1000 COL applications.**

Pre-Application Review

- **Submittal of technical reports by Westinghouse to provide standard AP1000 Design information**
- **NRC Staff Review (Interaction as necessary)**
- **NRC SER Preparation**
- **Application to all COL Applications via reference to technical reports and corresponding SERs**

Potential Part 52 Revision

- **Revision of AP1000 Design Certification Rule**
 - Part 52 does not currently provide for revision
 - Substantial industry comments on NOPR for revising Part 52 to permit revision
 - Indications are that revised rule will include mechanism for revision
 - October 2006 to commission
 - Anticipated publishing date end of 2006
- **If revised Part 52 allows, Westinghouse plans to submit a revised DCD in May 2006.**

COL Information Items Closures

- **NRC Review and approval of technical reports documenting COL information items closure activities will:**
 - Provide one standard approach by COL applicants
 - Require one review by NRC
 - Remove the review of these items from the critical path in application review.
- **Reports for approximately half of scheduled COL information items have been submitted for NRC review.**

As-Built COL Information Item Verification



- **COL information items that include as-built requirements or other timing issues must be deferred until after COL.**
- **These items are identified in a technical report justifying the deferral or deletion of the item.**
- **Most of these items have explicit or implicit requirements or criteria that require as-built information.**
- **Appropriate NRC control, inspection, or verification for deferred items covered under Inspection Branch instruction documentation.**

Piping DAC Completion

- **The activities covered by the AP1000 Piping Design Acceptance Criteria (DAC) have been completed or are being completed during the COL pre-application phase.**
- **The Piping DAC (Table 1-2 in the AP1000 Design Control Document Introduction) references sections in the DCD that define and identify criteria and methods.**
- **Elements of Piping DAC are covered in system ITAACs by reference to design of piping and LBB evaluation.**

Piping DAC Completion

- **Criteria and methods from the DCD are followed in piping analysis, LBB evaluation, and pipe hazards analysis.**
- **Westinghouse and NRC need to establish a process to document completion of the Piping DAC activities and analyses.**
- **DG-1145 does not identify what needs to be done to complete piping DAC.**