

NRC Question Response Form

Request Number: 6

Status:

Requested By (Inspector name):Date Requested:Question / Document Request: Q / D (circle one)System:Detailed Question or Request:

***What is the HELB interaction that is most limiting in the design basis?
(This might not be a relevant question any more.)***

Initiated By (individual taking the request):Assigned To (Person responding to request):Date Assigned:CAP / Work Order Issued? Yes / No (circle one) Number: _____

Response (include a list of documents provided):

***Q: What is the HELB interaction that is most limiting in the design basis?
(This might not be a relevant question any more.)***

If the question is based upon current configuration (with credit for combined stress analysis and refined High Energy Line criteria), the event with the largest flow rates creates the greatest height and is most limiting for flooding in the turbine building. Because the current configuration does not require operator action to protect the plant, the greatest water height results in least margin.

Unit 1: Interactions 14 (12" CD line jet impingement damage to a 16" supply to turbine building) and 15 (20" CD line jet impingement damage to a 16" supply to turbine building)

Unit 2: Interaction 115 (20" CD line jet impingement damage to a 16" supply to turbine building).

If the pre-April 15, 2009 configuration is assumed without the benefit of combined stress analysis and refined High Energy Line criteria (which was not yet credited in the design basis at that time). The events which fill the condenser pits the quickest are most limiting.

Unit 1: Interaction 14 (damage from a 12" CD line failure to a 16" turbine cooling water supply piping), 15(damage from a 20" CD line failure to a 16" turbine cooling water supply piping), 17(damage from a 12" MS line failure to a 16" turbine cooling water supply piping)

Unit 2: Interaction 108 (damage from a 12" MS failure to a 16" supply to turbine building), Interaction 115 (20" CD line jet impingement damage to a 16" supply to turbine building), and 121 (damage from a 16" CD line failure to a 16" turbine cooling water supply piping)

Is this an equipment issue that affects plant operability? Yes No

If yes, contact the Shift Manager immediately. _____

Date/Contacted By

Completed By: *[Signature]*

Date Completed: 7/16/16

Peer / Tech Review / Validation By: *[Signature]*

Date Completed: 7-16-10

Team Leader / Supervisor Review / Approval: *[Signature]*
Sean Ford

Date Completed: 7-16-10

Additional Info Attached? Yes/ No [forward a copy to Regulatory Affairs]

NRC Question Response Form

Reviewer Verification Guidance

- Data Requests:
 - Is the information provided complete? Was any material removed from the information provided?
 - Is the information provided correct? Was the preparer of the response a subject matter expert?
- Information Requests:

Use of this form as a procedural aid does not require retention as a quality record.

- Does the response answer the question being asked? Is the response on topic and clear?
- Are inputs and assumptions appropriately validated?
- If there is an embedded calculation, is the math correct?
- Is the response well formulated? Was enough work put into the response?
- Does the response reflect a differing professional opinion between the preparer and the inspector? Is the response professional in tone? Is the response argumentative?
- Is there a condition adverse to quality? Has a CAP been initiated?