

NRC Question Response Form

Request Number: 12

Status:

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

Date Requested:
System:

Did the analysis of flooding in the Turbine Building account for the potential effects of spray from damaged piping? If so, what has been concluded? If not, why wasn't the potential effects been evaluated?

Initiated By (individual taking the request): J. Ritter

Assigned To: Raymond Dremel

Date Assigned: July 13, 2010

CAP / Work Order Issued? Yes No (circle one) Number: _____

Response (include a list of documents provided):

Table 4-1 of the accident sequence analysis (Reference 1) details the equipment included in the PRA models and located in each flood area. Also indicated are the potential damage scenarios for that equipment. Area 200-1 is the Unit 1 turbine building outside of the center aisle. Area 200-2 is the Unit 2 turbine building outside the center aisle. As shown in Table 4-1, spray, splash, humidity, and temperature are considered as failure modes in addition to submergence. All equipment listed in Table 4-1 for Area 200-1 and Area 200-2 is assumed failed in the PRA analysis due to potential effects of spray from damage piping. Failure of this equipment ensures that no equipment in the turbine building open areas, that is, outside the center aisle, is credited in the PRA analyses.

It should be noted that there is no safety related equipment located in the turbine building open areas (Area 200-1 and Area 200-2) that can be affected by potential effects of spray from damaged piping.

References:

- 1 V.SPA.10.008, Addendum 4, "Turbine Building HELB/Internal Flooding Significance Determination Process: Accident Sequence Analysis", Rev 0.

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

If yes, contact the Shift Manager immediately. _____
 Date/Contacted By

Completed By: Raymond Drenzel per email J.Ritter

Date Completed: 7/15/10

Peer / Tech Review / Validation By: J. Ritter Jayne Ritter

Date Completed: 7/15/10

Team Leader / Supervisor Review / Approval: [Signature]

Date Completed: 7-16-10

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

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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:
 - 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?