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Your ref: Docket No. 52-006
Our ref: DCP/NRC2422

April 3, 2009

Subject: AP1000 Response to Request for Additional Information (SRP 11)

Westinghouse is submitting a response to the NRC request for additional information (RAI) on SRP Section 11. This RAI response is submitted in support of the AP1000 Design Certification Amendment Application (Docket No. 52-006). The information included in this response is generic and is expected to apply to all COL applications referencing the AP1000 Design Certification and the AP1000 Design Certification Amendment Application.

Enclosure 1 provides the response for the following RAI(s):

RAI SRP11.5-CHPB-04

Questions or requests for additional information related to the content and preparation of this response should be directed to Westinghouse. Please send copies of such questions or requests to the prospective applicants for combined licenses referencing the AP1000 Design Certification. A representative for each applicant is included on the cc: list of this letter.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Robert Sisk'.

Robert Sisk, Manager
Licensing and Customer Interface
Regulatory Affairs and Standardization

/Enclosure

1. Response to Request for Additional Information on SRP Section 11

cc: D. Jaffe - U.S. NRC 1E
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S. Sanders - U.S. NRC 1E
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ENCLOSURE 1

Response to Request for Additional Information on SRP Section 11

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI SRP11.5-CHPB-04
Revision: 0

Question:

In Table 11.5-2, the applicant removed the rail car bay area as a service area for monitor RMS-JE-RE013. This seems to leave the rail car bay area unmonitored even though plant operators handle radioactive materials in this area. Please explain how the applicant intends to monitor this area for radioactivity or justify why this area requires no monitoring.

Westinghouse Response:

There was no change in the radioactivity monitoring capability for this area. This area is still being monitored for radioactivity with the same capability that existed in Revision 16 of the DCD. This was simply an editorial change to the title for this monitor. Westinghouse will revise the title for area monitor RMS-RE-JE013 in DCD Table 11.5-2 to be consistent with the title of the room as it is provided in the layout drawing APP-1030-AR-001, Nuclear Island Room Numbering Plan at El. 100'-0" & 107'-2".

Design Control Document (DCD) Revision:

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

Table 11.5-2

AREA RADIATION MONITOR DETECTOR PARAMETERS

Detector	Type	Service	Nominal Range
PXS-JE-RE160	γ	Containment High Range (Note 3)	1.0E-0 to 1.0E+7 R/hr
PXS-JE-RE161	γ	Containment High Range (Note 3)	1.0E-0 to 1.0E+7 R/hr
PXS-JE-RE162	γ	Containment High Range (Note 3)	1.0E-0 to 1.0E+7 R/hr
PXS-JE-RE163	γ	Containment High Range (Note 3)	1.0E-0 to 1.0E+7 R/hr
RMS-JE-RE008	γ	Primary Sampling Room	1.0E-1 to 1.0E+7 mR/hr
RMS-JE-RE009	γ	Containment Area Personnel Hatch – Operating Deck – 135'-3" Elevation	1.0E-1 to 1.0E+4 mR/hr (Note 1)
RMS-JE-RE010	γ	Main Control Room	1.0E-1 to 1.0E+4 mR/hr
RMS-JE-RE011	γ	Chemistry Laboratory Area	1.0E-1 to 1.0E+4 mR/hr
RMS-JE-RE012	γ	Fuel Handling Area	1.0E-1 to 1.0E+4 mR/hr (Note 2)
RMS-JE-RE013	γ	<u>Rail Car Bay/Filter Storage Area</u> <u>Auxiliary Bldg. Loading Bay</u> (Note 4)	1.0E-1 to 1.0E+4 mR/hr
RMS-JE-RE014A	γ	Liquid and Gaseous Radwaste Area 1	1.0E-1 to 1.0E+4 mR/hr
RMS-JE-RE014B	γ	Liquid and Gaseous Radwaste Area 2	1.0E-1 to 1.0E+4 mR/hr
RMS-JE-RE016	γ	CSA Area	1.0E-1 to 1.0E+4 mR/hr
RMS-JE-RE017	γ	Radwaste Bldg. Mobile Systems Facility (Note 4)	1.0E-1 to 1.0E+4 mR/hr
RMS-JE-RE018	γ	Hot Machine Shop	1.0E-1 to 1.0E+4 mR/hr
RMS-JE-RE019	γ	Annex Staging & Storage Area	1.0E-1 to 1.0E+4 mR/hr
RMS-JE-RE020	γ	Fuel Handling Area	1.0E-1 to 1.0E+4 mR/hr (Note 2)
RMS-JE-RE021	γ	Containment Area Personnel Hatch – Maintenance Level – 100'-0" Elevation	1.0E-1 to 1.0E+04 mR/hr (Note 1)

PRA Revision: None

Technical Report (TR) Revision: None