

MEMORANDUM FOR: File EP 5.3.1

FROM: G. A. Brown, Emergency Preparedness Analyst  
Emergency Preparedness Section

SUBJECT: Trojan Emergency Plan Change, Ammendment 13

The subject Ammendment 13 of the Trojan Emergency Plan was submitted under cover letter TDW-297-88, dated April 15, 1988.

Attachment 1 to this memorandum is a detailed review of the changes submitted. Attachment 2 provide clarifications to some changes. The overall effects of the changes were minor, being directed toward updating the plan to reflect current titles and to add an additional outlet to their Emergency Broadcasting System.

The licensee is being notified that the changes meet the provisions of 10 CFR 50.47(b) and the requirements of 10 CFR Part 50, Appendix #.

  
G. A. Brown

Attachments:

1. Attachment 1, "Detailed Review of Ammendment 13 Changes"
2. Attachment 2, "Clarifications of Ammendment 13 Changes"

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TROJAN EMERGENCY PLAN CHANGES  
AMMENDMENT 13 MARCH 1988

CLARIFICATIONS

1. Figure 6-5 of the Overview Section deletes discussion of dose rate at containment ( $7.5 \text{ E-3 R/hr}$ ) as possibly being an indication of fuel melt. Why was this deleted?

LICENSEE RESPONSE: We now have proper instrumentation to give us this information. An Area Radiation Monitor in the containment has been environmentally qualified for continuous operation in all atmospheres of the containmnet.

2. On Page OV 6-9, second paragraph, is a discussion on remotely activating the Emergency Broadcasting System during the off hours. Is KOHI also activated? If so, the discussion does not leave that impression.

LICENSEE RESPONSE: Radio station KOHI will not be activated remotely. It will be activated manually. Equipment has been installed to tape and rebroadcast KBAM announcements over KOHI.

3. On Page PGE 3-55, Section 3.8.5.1, the revision deleted the task of performing cold startup of area radiation and ventilation as one of the duties of the radiation protection technicians. Why was this deleted?

LICENSEE RESPONSE: Since we felt that the radiation protection technicians would likely be occupied in other tasks during an emergency, we transferred this responsibility to the dose assessment group.

DETAILED REVIEW OF AMMENDMENT 13 MARCH 1988 CHANGES  
TO TROJAN NUCLEAR PLANT EMERGENCY PLAN

PAGE	ORIGINAL	REVISED
OV 6-7 2nd paragraph last sen.	specifies that the Dir. of Columbia County OES releases emergency messages via KBAM Radio	changes to state that CC OES releases emergency messages via Emerg Broadcast System (EBS)
OV 6-7 3rd paragraph last sen.	specifies that Cowlitz County sheriff releases emergency messages via KBAM radio	changes to state that sheriff releases emergency messages via EBS
OV 6-8 2nd para 1st sen.	directs public to tune to KBAM for information	adds KOHI as an additional station for public information
OV 6-9 Item (6)	states that further information will be given over KBAM	states that further information will be given over KBAM and KOHI
OV 6-9 2nd para	explains that KBAM does not operate 24-hours a day but that there is a dedicated link through Cowlitz County to remotely activate the station and broadcast emergency messages	rewords the original paragraph to specify EBS rather than KBAM, however, KOHI apparently is not included in the off-hours dedicated remote activation link
OV 6-9 3rd para	discusses capability of OR Govenor to broadcast over KBAM over dedicated phone line from OR OEC	deletes discussion of OR Govenor and substitutes OR EOC, Cowlitz County and Columbia County EOCs
OV 6-9 4th para	N/A	Adds discussion of dedicated phone line to KOHI
OV 6-12 Sec 6.3.7	References PGE App C in dose calculations	Changes reference to PGE Section 1
Table OV 6-5	Shows initial deposition concentration for Cs-134	Reduces concentration of CS-134 to 20 uCi/sq m

as 30 uCi/sq m for PAG

Figure  
6-1

Specifies one hour time limit in notification of offsite agencies for a Notification of Unusual Event

Deletes discussion of one hour time limit and reduces notification time to 15 minutes for Columbia and Cowlitz Counties and 30 minutes for the two states' agencies

Figure  
6-4

Flow chart for onsite protective actions. Provides actions for Unusual Event or Alert "and" specifies dose rates

Deletes "Unusual Event" as consideration and changes "and" to "or"

Specifies protective action for I-131 concentrations  $\geq 0.4$  MPC

decreases concentration of I-131 to  $\geq 0.25$  MPC as protective action guide (PAG) threshold

Specifies protective action for whole body dose rate  $\geq 0.1$  Rem/hr

Increases concentration to 1.0 Rem/hr for 1 hr as PAG threshold.

N/A

Adds specification for airborne activity concentration for PAG

Specifies protective action for I-131 concentration of  $\geq 100$  MPC and calls for use of respirator gear

reduces PAG for I-131 to  $\geq 25$  MPC and calls for evacuation of nonessential personnel

Included OSC personnel with other onsite plant personnel for PAGs

separates OSC personnel and provides individual PAGs for those members

N/A

Adds PAG for airborne activity for TSC members

contains PAG of WB dose

deleted these PAGs

rate  $\geq 10$  Rem/hr for 5 minutes and I-131 concentrations  $\geq 1000$  MPC for 5 minutes for EOF personnel

For EOF members contains discussion on indications of fuel melt and provides PAGs if these indications are present

deletes this discussion

Figure  
OV 6-5

Discusses PAG for loss of physical control of facility

adds provision "due to a security event"

Figure  
OV 6-5  
(Cont)

Discusses dose rate at containment surface of  $7.5 \text{ E-3 R/hr}$  as a possible indication of fuel melting

deletes this discussion

OV 7-1 Item  
(2)(a)

describes Automatic Ring-down (ARD) telephone system

changes title to Decision Makers telephone system

OV 7-2 Item  
(2)(b)

describes Selective Signalling (SS-1) telephone system

changes title to State Technical telephone system

OV 7-2 Item  
(2)(c)

describes Selective Signalling -2 (SS-2) telephone system

changes title to PGF Management telephone system

OV 7-2 Item  
(2)(d)

describes Selective Signalling-3 (SS-3) telephone system

changes title to Operational Support Center Control telephone system. System is also changed from 3-digit telephone numbers to 2-digit

OV 7-2 Item  
(2)(e)

N/A

adds Plant Status telephone system that links CR, TSC, EOF and CSC. Used to exchange plant

		status information
OV 7-3 4th para	describes NRC HPN system as a dedicated telephone system	changes description to a commercial telephone system
Figure OV 7-1	Flow chart describing the emergency communications systems	updates to show the above changes
OV 8-9 Item (3)(a)	provides instructions to dial radio to KBAM	changes instructions to replace KBAM with "an EBS station"
PGE 3-1 Sec 3.1	references Figure PGE 3-1 which describes the normal day shift plant organization	deletes references to Figure PGE 3-1 and refers to the FSAR for day shift plant organization description
PGE 3-2 Sec 3.2.1 last para	references Figure PGE 3-5 which describes the emergency organization after the arrival of key members of the EOF	changes the reference to Figure PGE 3-3
PGE 3-11 Sec 3.5 2nd para	describes composition of the TSC staff	adds the position of Manager, Personnel Protection to the staff
PGE 3-12 Sec 3.5.1 1st para	describes Plant General Manager position	adds Manager, Personnel Protection to those who may serve as duty Plant General Manager
PGE 3-14 Sec 3.5.3	describes the Chemistry Supervisor as being under the authority of the Manager, Tech Serv in the TSC	removes the Chemistry Supv from this authority and places him as a Duty Manager
PGE 3-15 Sec 3.5.3 top of pg	calls for the Mgr. Tech Serv to interface with the Technical Support	changes the interface so that the Mgr. Tech Serv now interfaces with the

	Director	Duty Plant General Mgr
Duties Item (1)	calls for the Manager Tech Serv to supervise, among others, the Chem Supv and the Rad Prot Supv	removes these positions from the supervision of the Manager Tech Serv
PGE 3-16 Sec 3.5.4	discusses the authority, duties and responsibilities of the Chem Supv	Replaces the section with a discussion of the authority, duties and responsibilities of the Manager, Personnel Protection
PGE 3-17 Sec 3.5.5	assigns the Chem Supv reporting to the Manager, Tech Serv	reassigns the Chem Supv to report to the Manager, Personnel Protection
PGE 3-22 Sec 3.5.12 (2)	describes the duty to advise the Technical Support Director	changes to advising the Company Support Director
PGE 3-28 Sec 3.6.5 (1)	describes the duty of the Rad Prot Emerg Team Coord to verify the OSC RWP is initiated	deletes that duty
PGE 3-37 Sec 3.8.2 (1)	describes the duty of the Emerg Response Mgr to supervise the Tech Sup-	changed to supervise the Company Support Director
PGE 3-43 Sec 3.8.3.2	describes the duties of the EOF Security Representative	Adds duties to communicate PARs to Coast Guard, communicating with Security Watch Supv. and
PGE 3-55 Sec 3.8.5.1	Describes duties of radiation protection technicians.	deleted duty to perform cold startup of area radiation and ventilation
PGE 4-1 Sec 4.2 2nd sen.	Includes notification of Security Watch Supv as one of duties of Shift Supervisor	Changes to notification of Secondary Alarm Station Operator.

PGE 4-2        n/a  
Sec 4-2 1st  
para

adds discussion on ra-  
tionale for times for  
notifications of differ-  
ences

Table PGE        n/a  
4-1 last  
item

adds OSC to list of areas  
which are provided a sup-  
ply of KI tablets