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Date: 5/2/04 9:11AM
Subject: Status of 1R18 RV Head/Alloy 600 Inspections for May 2, 2004

Attached is the status of the 1R18 RV Head/Alloy 600 Inspection Status for May 2, 2004

- docket 50-313
- PM re T. Alexion

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Subject: Status of 1R18 RV Head/Alloy 600 Inspections for May 2, 2004
Creation Date: 5/2/04 9:05AM
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1R18 Alloy 600 Status

Inspection	Inspection Method	Extent of Inspection	1R18 Status/ Findings
BMV of RV Head	BMV exam inside Service Structure	100% of the RPV head surface (including 360° around each head penetration). (OP 2311.009)	CRDM nozzle BMV was performed on 5/1/04 Review Team review of videos underway
CRDM/ RADCAL Nozzles	UT of 60 CRDM nozzles (no known defects)	UT of the RPV nozzle from 2" above the highest point of the root of the J-weld to the blind zone.	UT scans of CRDM nozzles being finalized <ul style="list-style-type: none"> • 60 of 60 nozzles inspected • 60 of 60 analyzed by Entergy (Note 1) Nozzle 61 confirmed to require repair. Repair of nozzle 61 underway.
	UT of six FTI repaired CRDM nozzles (Nozzles 3, 6, 15, 17, 33, & 56)	UT the weld and at least 1-inch above the weld in the nozzle base material.	UT scans of FTI repaired CRDM nozzles complete <ul style="list-style-type: none"> • 6 of 6 FTI repairs inspected • 6 of 6 analyzed by Entergy No indications identified.
	UTWS of two <u>W</u> repaired CRDM nozzles (Nozzles 54 & 68)	UT of the RPV nozzle from 2" above the highest point of the root of the J-weld to the blind zone <u>and</u> wetted surface exam of weld overlay.	UT scans of <u>W</u> / repaired CRDM nozzles complete. <ul style="list-style-type: none"> • 2 of 2 nozzle UTs inspected • 2 of 2 nozzle UTs analyzed • 2 of 2 PT exams performed and analyzed No indications identified.
	UT of RADCAL (Nozzle 1)	UT of the RPV nozzle from 2" above the highest point of the root of the J-weld to the blind zone.	Nozzle 1 inspected and analyzed by Entergy No indications identified
	UT of nozzle Annulus [Leak Path Assessment]	Interrogate interference fit in all 69 nozzle annuli above J-weld for leakage path	No leak path identified on any nozzles analyzed including nozzle 61.
ICI Nozzles	Visual Inspection of 52 BMI nozzles	Inspect 100% of the circumference of each penetration as it enters the RPV lower head. (OP 2311.009)	BMI nozzles being visually reinspected with enhanced place-keeping and procedure controls. Target May 6, 2004

RCS Walkdowns	Visually Inspect RCS for RCS leaks	Visually inspect above the RPV head for potential boric acid leaks from pressure-retaining components. Inspect other A600 RCS small bore locations (OP 2311.009).	A600 small bore nozzles (complete) <ul style="list-style-type: none">• 18 of 18 pressurizer/CFT nozzles inspected• 14 of 14 hot leg nozzles inspected• 13 of 13 Cold Leg nozzles inspected No indications identified Final boric acid inspection above the service structure to be performed
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Note 1: Entergy will finalize confirmation of the freespan length below the weld in accordance with Entergy's Order Relaxation request of February 11, 2004 (CNRO-2004-0008).