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Date: 4/27/04 8:16AM
Subject: Status of Alloy 600/RV Head Inspection

Attached is the Alloy 600/RV Head inspection status performed for 1R18 through April 27, 2004

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Subject: Status of Alloy 600/RV Head Inspection
Creation Date: 4/27/04 8:11AM
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1R18 RVH Inspection Results 4-27.doc

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3220

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Date & Time

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Options

Expiration Date:

None

Priority:

Standard

Reply Requested:

No

Return Notification:

None

Concealed Subject:

No

Security:

Standard

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)	54 of 69 CRDM nozzles visually inspected 360° <ul style="list-style-type: none"> • CR-ANO-1-2004-885 documents that portions of 15 nozzles did not have video confirmation of 360° inspection • No leaking nozzles identified
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 underway <ul style="list-style-type: none"> • 7 of 60 nozzles inspected • 6 of 7 analyzed No flaws identified
	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/WS 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 of RADCAL Nozzle (Nozzle 1)	UT of the RPV nozzle from 2" above the highest point of the root of the J-weld to the blind zone.	
	UT of nozzle Annulus [Leak Path Assessment]	Interrogate interference fit in all 69 nozzle annuli above J-weld for leakage path	
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)	BMIs initially inspected on night shift 4/22/04 <ul style="list-style-type: none"> • CR-ANO-1-2004-827 written due to placekeeping concerns on nozzle inspections • No leaking nozzles identified to date

April 27, 2004 - 7:00 AM

<p>RCS Walkdowns</p>	<p>Visually Inspect RCS for RCS leaks</p>	<p>Visually inspect above the RPV head for potential boric acid leaks from pressure-retaining components as well as other A600 RCS small bore locations. (OP 2311.009)</p>	<p>No leaking A600 nozzles identified (ongoing)</p> <ul style="list-style-type: none">• 18 of 18 pressurizer/CFT nozzles inspected• 14 of 14 hot leg nozzles inspected• 9 of 13 Cold Leg nozzles inspected
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