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Date: 4/29/04 10:08AM
Subject: 1R18 RV Head/Alloy 600 Inspection Status of April 29, 2004

Attached is the April 29, 2004 status of the RV head/Alloy 600 inspections

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Subject: 1R18 RV Head/Alloy 600 Inspection Status of April 29, 2004
Creation Date: 4/29/04 10:02AM
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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) | CRDM nozzles being visually reinspected with enhanced place-keeping and procedure controls |
| 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"> • 40 of 60 nozzles inspected • 40 of 40 analyzed by Entergy (Note 1) 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 and <u>wetted</u> surface exam of weld overlay. | |
| | 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. | |
| | 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) | BMI nozzles being visually reinspected with enhanced place-keeping and procedure controls |

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|---------------|------------------------------------|---|---|
| RCS Walkdowns | Visually Inspect RCS for RCS leaks | 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) | A600 small bore nozzles (ongoing) <ul style="list-style-type: none">• 18 of 18 pressurizer/CFT nozzles inspected• 14 of 14 hot leg nozzles inspected• 11 of 13 Cold Leg nozzles inspected No indications identified |
|---------------|------------------------------------|---|---|

Note 1: The freespan length below the weld has been preliminarily confirmed to meet Entergy's Order Relaxation request of February 11, 2004 (CNRO-2004-0008).