

John Richmond

From: John Richmond , *RI*
Sent: Wednesday, October 01, 2008 12:28 PM
To: Michael Modes
Subject: OC High Priority Insp Items
Attachments: OC Priority Inspection Items_rev-4.doc

see attached

this is intended to be the core of our inspection.

I wanted to look at the SER list and the outage work list, to see if we can broaden the targeted inspection samples to cover more aging management programs. [e.g., verify more commitments]. just haven't found the time yet.

Received: from R1CLSTR01.nrc.gov ([148.184.99.7]) by R1MS01.nrc.gov
([148.184.99.10]) with mapi; Wed, 1 Oct 2008 12:27:35 -0400
Content-Type: application/ms-tnef; name="winmail.dat"
Content-Transfer-Encoding: binary
From: John Richmond <John.Richmond@nrc.gov>
To: Michael Modes <Michael.Modes@nrc.gov>
Date: Wed, 1 Oct 2008 12:27:34 -0400
Subject: OC High Priority Insp Items
Thread-Topic: OC High Priority Insp Items
Thread-Index: Ackj4pw6W5wFNqKrTYmGngXch9JedQ==
Message-ID: <2856BC46F6A308418F033D973BB0EE729697628DCF@R1CLSTR01.nrc.gov>
Accept-Language: en-US
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X-MS-Exchange-Organization-SCL: -1
X-MS-TNEF-Correlator:
<2856BC46F6A308418F033D973BB0EE729697628DCF@R1CLSTR01.nrc.gov>
MIME-Version: 1.0

Oyster Creek Outage Inspection License Renewal Commitments - IP 71003

Drywell Shell Thickness Verifications

27 Oct - General D/W Access

Lower Drywell Shell Internal UT (at Sand Bed Region elevations)

19 Locations inside drywell [IS-328227-004, 3.2.2]
7x7 arrays over a 6"x6" area, and 1x7 arrays, on 1" increments
29 Oct Day Shift, R2096031 [date confirmed by NDE]
Commitment 27, Item (1 & 21)

Lower Drywell Shell External UT (in Sand Bed Bays)

106 UT readings, in the 10 bays (2-shift, 24-hr activities) [IS-328227-004, 3.2.3]
Access through 20" manway (tunnel)
Commitment 27, Item (9, 14, & 21)

- Bay 1 ~28-30 Oct [critical bay, based on previous inspection]
- Bay 3 ~28-30 Oct
- Bay 5 27 Oct
- Bay 7 29 Oct
- Bay 9 28 Oct
- Bay 11 28 Oct [critical bay, based on previous inspection]
- Bay 13 28 Oct [critical bay, based on previous inspection]
- Bay 15 29 Oct
- Bay 17 3 Nov
- Bay 19 ~28-30 Oct

Upper Drywell Shell UT at Elev 71' (knuckle region)

Transition from 2.625" plate to 0.640" plate [IS-328227-004, 3.2.8]
4 locations using a dynamic scan of a 6"x6" area
1 Nov 1700, R2096037
Commitment 27, Item (11)

Lower Drywell Shell UT at Elev 23' (bottom to middle spherical plates)

Transition from 0.770" plate to 1.154" plate [IS-328227-004, 3.2.7]
4 locations using a dynamic scan of a 6"x6" area
Does NOT appear to be scoped into outage
[29 Oct 0600, C2017059 (one-time inspection of 4 butt welds)]
Commitment 27, Item (10)

Upper Drywell Shell UT at Various Elevations

9 locations using a 7x7 array, at elev. 50', 51', 60', and 87' [IS-328227-004, 3.2.1]
Commitment 27, Item (7)

Drywell Floor Inspection Access Trenches

UT & VT in Bay 5 & Bay 17 Trenches [IS-328227-004, 3.2.6]
Remove & reinstall lower 6" of grout at bottom of Bay 5 trench
Inspect caulk sealant (trench edge where concrete meets shell)
Verify no water accumulation
29 Oct 2100, R2117387
Commitment 27, Item (5, 16, & 20)



**Oyster Creek Outage Inspection
License Renewal Commitments - IP 71003**

Drywell Shell Leakage Verifications

Cavity Strippable Coating

prior to flood-up
27 Oct 1500, R2098683
Commitment 27, Item (2)

Rx Cavity Concrete Trough Drain

Camera Inspection of Rx cavity trough drain line for blockage
only 1 drain line, goes to RW drain on Elev 70'
29 Oct 0300, R2095857
Commitment 27, Item (13)

Rx Cavity Seal Leakage Trough Drains

Daily leakage check when cavity is flooded
Acceptance criteria < 12 gpm
1 drain line, goes to RW drain on Elev 70'
No leakage detection instrumentation
R2102695
Commitment 27, Item (3)

Sand Bed Region Drains (5 drain lines)

Daily leakage check
R2102695
Commitment 27, Item (3)

Moisture Barrier Seal between Sand Bed Region Concrete and Embedded Drywell Shell

Inspect seal at junction between concrete and shell [IS-328227-004, 3.2.4.1.4]

?? Schedule Date

Commitment 27, Item (3, 12, & 21)

Moisture Barrier between Drywell Shell and Concrete Floor Curb inside Drywell

Inspect moisture barrier between curb and shell
30 Oct 0600, R2097321
Commitment 27, Item (17)



Oyster Creek Outage Inspection License Renewal Commitments - IP 71003

Drywell Shell Coating Verifications

Drywell Interior Service Level I Coating

Inspect shell coating inside drywell

29 Oct 0500, R2096685

Commitment 33, Item (1)

Drywell Exterior Service Level II Coating in Sand Bed Bays

VT epoxy coating in each bay (2-shift, 24-hr activities) [IS-328227-004, 3.2.4]

Commitment 27, Item (4 & 21)

Commitment 33

Bay 1	4 Nov
Bay 3	28 Oct
Bay 5	2 Nov
Bay 7	29 Oct
Bay 9	28 Oct
Bay 11	28 Oct
Bay 13	28 Oct
Bay 15	29 Oct
Bay 17	2 Nov
Bay 19	28 Oct

Electrical Cable Inspections

Feeder Cable to Auxiliary Transformer (Bank 4)

Inaccessible Medium Voltage Cable

Perform power factor test of 4 kV transformer feeder cable

30 Oct 1000, R2026131

Commitment 36

Feeder Cable to Startup Transformer (Bank 6)

Inaccessible Medium Voltage Cable

Power factor test of 4 kV transformer feeder cable

2 Nov 0600, R2033700

Commitment 36

Feeder Cable to P-37-1

Inaccessible Medium Voltage Cable

Hi-Pot feeder cable

29 Oct 0500, R2054006

Commitment 36

Feeder Cable to P-37-5

Inaccessible Medium Voltage Cable

Hi-Pot feeder cable

?? Schedule Date, R2059713

Commitment 36



Oyster Creek Outage Inspection License Renewal Commitments - IP 71003

Cable Inspection in Trunion Room

Visually inspect a representative sample of accessible cables and connections located in adverse localized environments, for indications of accelerated insulation aging

26 Oct 0400, R2122597

Commitment 34

Cable Inspection in Drywell

Visually inspect a representative sample of accessible cables and connections located in adverse localized environments, for indications of accelerated insulation aging

29 Oct 0500, R2122597

Commitment 34

Non-drywell ISI & NDE Inspections

Isolation Condenser

One-time Inspection of two stainless steel pipe sections in stagnant or low flow area in the Isolation Condenser System, to verify no stress corrosion cracking.

A2184119 (AR/Library)

?? Schedule Date

Commitment 24, Item (8)

Isolation Condenser

One-time Inspection UT of "B" Isolation Condenser shell below the waterline, to verify no pitting corrosion and confirm effectiveness of Water Chemistry Program.

31 Oct - coatings inspection with UT

Commitment 24, Item (2)

Open Cycle Cooling & Buried Pipe Inspections

ESW Expansion Joint

Periodic inspection

27 Oct 1400, R2081668

Commitment xx ??

ESW Buried Piping

Replace previously un-replaced buried ESW piping

New pipe already installed, needs to be connected in-place of existing old pipe

?? Schedule Date for new piping tie-in

Commitment 63

ESW Intake Structure

Periodic inspection of components submerged in salt water

Structures Monitoring Program, inspect ESW/SW piping & components located under the Deck

ROV video of piping and coating

?? Schedule Date (R2120584??)

Commitment 31 Item (7)

Commitment 32 Item (2)