

United States Nuclear Regulatory Commission Official Hearing Exhibit

In the Matter of: Entergy Nuclear Operations, Inc.
(Indian Point Nuclear Generating Units 2 and 3)



ASLBP #: 07-858-03-LR-BD01
Docket #: 05000247 | 05000286
Exhibit #: RIV000073-00-BD01
Admitted: 10/15/2012
Rejected:
Other:

Identified: 10/15/2012
Withdrawn:
Stricken:

RIV000073
Date Submitted: December 22, 2011

**Unit 2 Spent Fuel Pool Leak, Monitoring Wells and Underground Piping
(3/31/06)**

1. Inspected accessible areas of Unit 2 SFP (Completed 2/23/06)
 - a. Identified 6 indications,
 - b. Vacuum box tested with diver, all sat
 - c. Coated all 6 indications
2. Inspection plan for less accessible areas of Unit 2 SFP
 - a. Area between wall and spent fuel rack 1.5"
 - i. ROV technologies has equipment
 - ii. Issued PO to ROV (completed 3/16/06)
 1. Develop plan
 2. Obtain equipment
 3. Schedule inspection (tentative 6/1/06)
 - b. Area under spent fuel racks
 - i. Inspected from cask load pit (2/24/06)
 - ii. Numerous interferences
 - iii. Substantial debris on floor
 1. ROV evaluated DVD and will recommend plan
 2. Need plan to remove debris
3. Installed stainless steel leak collection box over crack on Unit 2 Spent fuel pool wall
 - a. Box located under floor in FSB for Dry Cask Storage modification (Completed 1/27/06)
 - b. Drain routed to PAB
 - c. Sampled periodically by Chemistry (first sample ~ 200ml, none since)
 - d. ODMI closed
 - e. Changed sample frequency to every other week 3/8/06.
4. Unit 3 Spent Fuel Pool tell-tale drain system
 - a. Inspected and no blockage identified (OE Salem) WO
5. Monitoring Wells Phase 1 to determine underground water transport from Unit 2 pool leak
 - a. 9 wells drilled, ~600 feet total depth, need to finish (2/24/06)
 - b. Identified tritium plume in Unit 2 Transformer yard (Mw-111, 33, 34, & 35)
 - c. Identified tritium travels under discharge canal (MW-36 & 37)
 - d. NYS identified SR-90 in existing well in Transformer Yard (part of 3-way split sample) (Sampling problem reported 3/16/06)
 - e. Perform Tracer test from MW-30 (in FSB) Scheduled after completion of well installation
 - f. Complete development of wells
 - g. Develop long Term Monitoring Plan
 - h. Complete report of Phase 1
6. Monitoring Wells Phase 2 to determine IPEC site underground water transport
 - a. 14 wells drilling complete ~1300 feet total depth (3/28/06)
 - b. Well placement near potential sources
 - c. Well placement at site boundaries
 - d. Complete development of wells
 - e. Complete Phase 2 Report,
 - i. Develop remediation or ground water control program
 - ii. Determine need for additional well (Phase 3)

7. Stilling well installation (4) Complete 3/23/06
 - a. Added transducers, collecting tidal data
 - b. Remove in 6 months per Temp Alt (Oct 2006)
8. Under ground piping
 - a. Items identified during KT
 - b. Inspections planned (dates thru 9/06)
9. Storm drain and curtain drain inspections
 - a. Identified tritium in Unit 2 transformer yard storm drains, expanded scope to inspect all storm drains
 - i. Inspection of storm drains completed 3/24/06
 - b. Identified tritium in Unit 3 transformer yard storm drains
 - c. Inspected Storm drains (complete 3/15/06)
 - i. Appear to be functional
 - ii. Contain debris (rocks, gravel and silt)
 - iii. Some drawing discrepancies
 - iv. Develop site drawing
 - v. Develop plan for cleaning (work to start after outage)
 1. Plan to handle debris (work w/ Unit 1 Project)
 - d. Inspected building curtain drains
 - i. IP1 inspection complete (north and South curtain drain)
 - ii. IP2 inspection complete, identified high flow from curtain drain
 - iii. IP3 inspection pipe appears dry
10. NRC contact
 - a. Tuesday and Thursday conference calls
 - b. Special inspection team exit 2/28/06, report issued 3/17/06.
 - c. Meet with Resident every other Friday
11. Public Meetings
 - a. March 28 NRC Public Meeting
 - b. Bi-weekly Telecom Thursday afternoons