

White, John

5 parts

PD

**From:** Ronald Nimitz on behalf of John White  
**Sent:** Friday, May 15, 2009 6:11 PM  
**To:** Ronald Nimitz; Sam Collins; Marc Dapas; Peter Wilson; Darrell Roberts  
**Cc:** Nancy McNamara; Diane Screnci; Neil Sheehan; Marc Ferdas; Jeffrey Kulp; Ronald Bellamy; Scott Barber; David Lew; James Clifford; Stephen Campbell; Eugene Dacus; David Decker; Undine Shoop; Jenny Weil  
**Subject:** Oyster Creek Status, 5/15 (3:30 pm)  
**Attachments:** NJ org chart DEP.doc; Oyster Creek H-3 map.pdf; RA-09-040 30-Day Follow-up to NJDEP.pdf; CST.Prog.Map.09.05.14.pdf

This note provides updated information as of 5/15. Participants included Exelon representatives responsible for the coordination of the licensee investigation efforts, and representatives of the New Jersey Department of Environmental Protection, Bureau of Nuclear Engineering. NRC Representatives were John White and Marc Ferdas.

1. Well sampling/analysis

The licensee continues to sample its wells in accordance with its Adverse Condition Monitoring and Contingency Plan. Daily samples of the intake, discharge, and Route 9 bridge canal areas have not indicated any tritium concentration above minimum detectable activity.

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The licensee's geo-hydrology contractor has been on site to characterize the plume and develop plume and flux maps to provide data for refined calculations of potential tritium release to the canal for purposes of dose calculation. The contractor report is expected to be delivered to the licensee on 5/15 and plume maps the following week.

The licensee is still considering options relative to soil disposition from the excavation.

The licensee has performed bounding dose calculations and identified dose to be a small fraction of 10 CFR 50 Appendix I ALARA criteria.

2. Pipe inspection status

The below update provides latest pipe updates with the exception of the 1" CRD min flow line (CS-38).

Exelon intends to excavate and examine the CS-38 pipe following restoration of the first excavation that contained the previously identified leaking pipes.

3. CST

Divers confirmed that the CST interior appeared structurally sound and in good condition. On 5/12-13, activities were performed to vacuum the silt from the tank surfaces, including the bottom.

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Information in this record was deleted in accordance with the Freedom of Information Act, exemptions 5/6  
 FOIA- 2009-0214

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On 5/14, about 10 UT thickness measurements and a VT-2 visual inspection were completed on a portion of CST bottom. These 10 measurements indicated that the bottom of the tank, in the area inspection, was at nominal wall thickness or greater. On 5/15, divers completed 50 additional UT thickness measurements and a VT-2 visual inspection that covered the remainder of the tank bottom surface area. All results were reported as indicating nominal wall thickness or greater. The preliminary indication is that there is no evidence of corrosion or wall thinning; and the structural integrity of the tank appears satisfactory. The attachment (CST.Prog.Map09.05.pdf) provides the status as of 5/14, but does indicated the remaining area that was completed today (5/15). No further diving operations in the CST are planned.

4. Root cause analysis/pipe failure analysis

Exelon's root cause team has initiated its review and investigation of the circumstances surrounding the conditions that led to the ground water contamination, including, but not limited to: review of the licensee's activities associated with buried pipe, extent of condition, and radiological and environmental assessment of the conditions. The root cause assessment is expected to be complete about mid-June and is expected to include analysis of the corrosion mechanism and cause that led to the failure of the 8" and 10" carbon steel buried pipes associated with the CST system.

5. Communications

The licensee is continuing to maintain dialogue with various stakeholders, and is planning on offering a tour to interested stakeholders in the near future, possibly next week.

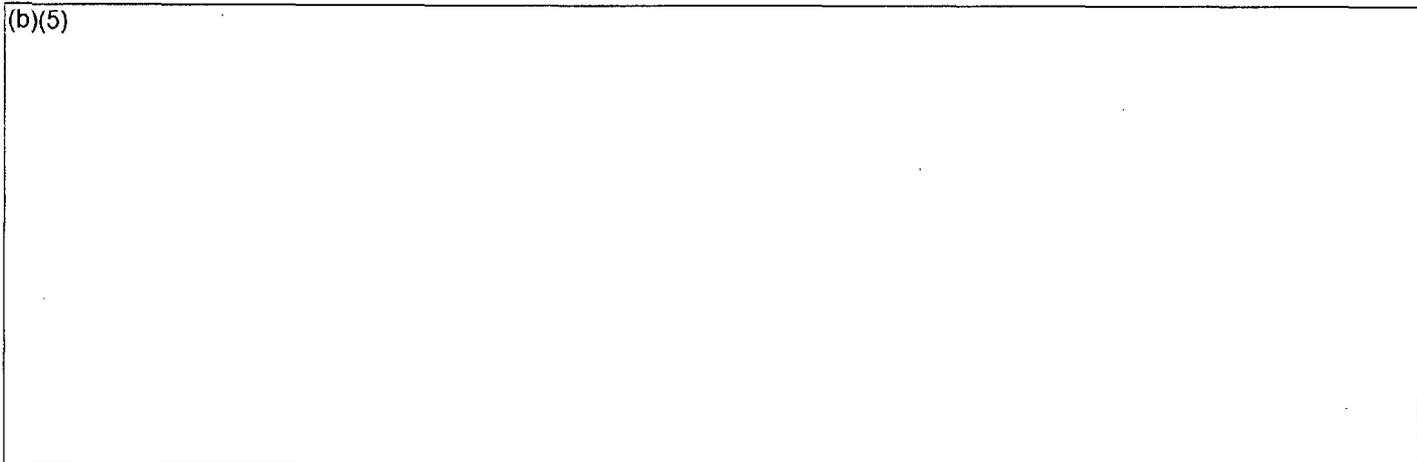
Region I has been addressing questions and interest expressed by some local media in the area.

5. NRC actions

NRC Region I staff specialists and residents continue to follow this issue closely.

6. New Jersey-Department of Environmental Protection.

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NJDEP has posted its split sampling results from Oyster Creek on its website at <http://www.state.nj.us/dep/rpp/bne/FinalOCH3.htm>

End of 5/15 update

*John R. White*

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