

## Sheehan, Neil

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**From:** Bates, Todd [tbates@asbury.gannett.com]  
**Sent:** Tuesday, June 23, 2009 10:38 AM  
**To:** Sheehan, Neil  
**Subject:** RE: Oyster Creek sample results

Neil:

Can I get a copy of the root-cause analysis?

Thanks.

Todd

Todd B. Bates  
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**From:** Sheehan, Neil [mailto:Neil.Sheehan@nrc.gov]  
**Sent:** Tuesday, June 23, 2009 10:28 AM  
**To:** Bates, Todd  
**Subject:** RE: Oyster Creek sample results

Todd,

I'm told Exelon has completed its root cause analysis for the tritium leakage situation. We have two inspectors at the plant this week reviewing that analysis. They are also evaluating Exelon piping assessments and observing an excavation being done by the company of another line (I believe it is a 1-inch line) determined to be in the category of having some risk for leakage.

Neil  
NRC Public Affairs  
(610) 337-5331

**From:** Bates, Todd [mailto:tbates@asbury.gannett.com]  
**Sent:** Monday, June 22, 2009 3:52 PM  
**To:** Sheehan, Neil  
**Subject:** RE: Oyster Creek sample results

Neil:

Thanks.

Todd

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**From:** Sheehan, Neil [mailto:Neil.Sheehan@nrc.gov]  
**Sent:** Monday, June 22, 2009 3:51 PM  
**To:** Bates, Todd  
**Subject:** RE: Oyster Creek sample results

Todd,

Here are the well sample results from 6/16:

MW-50 -- 3,570,000 million picocuries per liter of tritium  
MW-51 -- 2,520,000  
MW- 52 -- 1,980  
MW- 53 -- 1,980  
MW- 54 -- 5,200  
MW-15K-1A -- 155,000

Neil  
NRC Public Affairs  
(610) 337-5331

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**From:** Bates, Todd [mailto:tbates@asbury.gannett.com]  
**Sent:** Monday, June 22, 2009 1:49 PM  
**To:** Sheehan, Neil  
**Subject:** FW: Oyster Creek sample results

Neil:

In addition to the questions below, what are the latest tritium readings?

Thanks.

Todd

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**From:** Bates, Todd  
**Sent:** Monday, June 15, 2009 11:53 AM  
**To:** 'Sheehan, Neil'  
**Subject:** RE: Oyster Creek sample results

Neil:

Thanks.

Please let me know when Exelon finishes its root cause analysis (I assume that will take place on or before June 19, or Fri). and remediation plan.

Thanks.

Todd

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**From:** Sheehan, Neil [mailto:Neil.Sheehan@nrc.gov]  
**Sent:** Friday, June 12, 2009 11:22 AM  
**To:** [tbates@app.com](mailto:tbates@app.com)  
**Subject:** FW: Oyster Creek sample results

Todd,

Here are the well sample results from 6/9:

MW-50 -- 4.1 million picocuries per liter of tritium  
MW-51 -- 3.48 million  
MW- 52 -- 4,170  
MW- 53 -- Below MDA (minimum detectable activity)  
MW- 54 -- 9,700  
MW-15K-1A -- 124,000  
CS-9 -- 435,000

With regard to MW-55, the newly drilled well, Exelon plans to test it for use in possible remediation of the groundwater contamination.

Neil  
NRC Public Affairs  
(610) 337-5331

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**From:** Sheehan, Neil  
**Sent:** Tuesday, June 09, 2009 2:14 PM  
**To:** 'tbates@asbury.gannett.com'  
**Subject:** Re: Oyster Creek sample results

Todd,

Here's the latest:

The Condensate Storage Tank inspection work by divers has been completed. No indications of leakage have been identified.

Exelon plans to excavate and examine a 1-inch minimum flow line associated with the condensate tank. This would be part of the company's efforts to complete the examination of buried piping considered to be a possible source of the

groundwater contamination. The excavation of that line may take place later this week. Inspection of the pipe would include removing its coating and subjecting the line to ultrasonic testing.

The company's root cause analysis is expected to be completed about mid-month. It is expected to include an analysis of the corrosion mechanism/cause that led to the holes identified earlier in the 8-inch and 10-inch buried pipes associated with condensate storage tank system. To date, Exelon has not identified any other source of the groundwater contamination.

Here are the latest well sample results:

MW-50: 3.22 million picocuries per liter of tritium

MW-51: 3.72 million

MW-52: .MDA (minimum detectable activity)

MW-53: Close to .MDA

MW-54: 9,950

MW-55: 1.2 million

MW-15: 905,000

These samples are from 5/27.

Daily samples taken from the intake, discharge and Route 9 bridge areas have not indicated any tritium concentrations above MDA.

NRC Region staff specialists and our Resident Inspectors at Oyster Creek continue to closely follow these issues. We will review Exelon's root cause evaluation once it is complete.

Neil  
NRC Public Affairs  
(610) 337-5331

Neil Sheehan  
Public Affairs Officer  
Sent From NRC Blackberry

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**From:** Bates, Todd  
**To:** Sheehan, Neil  
**Sent:** Tue Jun 09 10:43:27 2009  
**Subject:** RE: Oyster Creek sample results  
Neil:

Anything new re: the search for the source(s) of the tritium at Oyster Creek?

Have any new sources of tritium been found and what are the latest well readings?

Thanks.

Todd

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**From:** Neil Sheehan [mailto:Neil.Sheehan@nrc.gov]

**Sent:** Thursday, May 14, 2009 2:11 PM

**To:** tbates@app.com

**Subject:** Oyster Creek sample results

Todd,

Here are the latest well sample results for Oyster Creek (from 5/6/09):

Well MW15K1A -- 5.3 million picocuries per liter of tritium

Well MW-50 -- 2.9 million

Well MW-51 -- 4.5 million

Well MW-52 -- Below minimum detectable activity

Well MW-53 -- 15,100

Well MW-54 -- 9,500

All of these wells are in the vicinity of the condensate storage tank and associated buried piping.

The attached graphic might help you to better visualize where the condenser fits in as far as plant operation.

Neil