

## Miller, Elizabeth

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**From:** Vanags, Uldis  
**Sent:** Friday, January 28, 2011 11:04 AM  
**To:** Miller, Elizabeth  
**Cc:** Hofmann, Sarah; 'Bruce Hinkley'; 'Arnie Gundersen'  
**Subject:** Answers to Questions from yesterday's phone call

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Answers to questions from yesterdays call.

Well Data Test results – all sampled on January 24<sup>th</sup>.

13D less than MDA  
12D 119,705 pCi/l  
14D less than MDA  
22D 385,000 pCi/l (rounded)

Question: Does Vermont Yankee have an Action Plan?

Answer: Yes. The positive indication of tritium found at GZ-24 has been entered into the the Vermont Yankee corrective action system for root cause analysis. An action plan to locate the source of the tritium has been developed and has been implemented. The plan includes the identification of high probability sources of the tritium and a schedule for testing these sources. The plan is reviewed and updated daily as the investigation progresses. The plan is a Station document and is not available for public distribution.

Question: When are water samples measured for Hard-to-Detects?

Answer: When a well is tested and there is a first indication of tritium contamination a water sample from that well is also tested for Hard-to-Detects. The well is not tested for Hard-to-Detects afterwards if the result is negative.

Question: Does Vermont Yankee have an SOP for tritium testing of ground water.

Answer: Yes and No. Vermont Yankee has procedures for sampling and analyzing radioisotopes that have critical time tables from sample collection to analysis. Tritiated water does not have a critical sampling to analysis requirement due to the relatively long half life. However, Tritium analysis is performed per methods approved by the American Society for Testing and Materials (ASTM). ASTM methods are used internationally. Ground water sampling is performed by methods stated in Vermont Yankee's Indirect Discharge Permit issued by ANR.

Uldis Vanags  
State Nuclear Engineer  
Vermont Department of Public Service  
112 State Street  
Montpelier, VT 05620-2601  
802-828-1784 (office)  
802-343-3373 (cell)  
802-828-2342 (fax)  
email - [uldis.vanags@state.vt.us](mailto:uldis.vanags@state.vt.us)