

**From:** Lyon, Fred  
**Sent:** Wednesday, June 16, 2010 9:32 AM  
**To:** Gregoire, Donald W.  
**Cc:** Conatser, Richard; Werner, Greg; Maier, Bill; Dricks, Victor; ghammond@energy-northwest.com; Markley, Michael; Walker, Wayne; Cohen, Ronald  
**Subject:** Historical List of Reactor Sites with Groundwater Tritium greater than 20,000 pCi/l

Don, Columbia Generating Station (CGS) has been removed from the List of Historical Leaks and Spills At U.S. Commercial Nuclear Power Plants.

Health Physicists on the staff of the NRC Office of Nuclear Reactor Regulation (NRR) recently compiled a list of reactor sites with leaks or spills involving tritium (from abnormal radioactive releases) in concentrations greater than 20,000 pCi/l in either soil, soil moisture, groundwater, or the leak/spill source. CGS appeared on Revision 4 of this list based on records supplied by the licensee to the NRC.

You questioned whether CGS should be included in the list. NRR Health Physicists evaluated the situation, and have come to the following conclusions:

- Although records indicate CGS detected Co-60 in soil at 36,000 pCi/l, no tritium was reported greater than 20,000 pCi/l.
- There is groundwater contamination at CGS, but it is related to U.S. DOE facilities.
- CGS should be removed from the list of tritium leaks and spills listed above.

The List of Historical Leaks and Spills At U.S. Commercial Nuclear Power Plants was revised and reissued as Revision 5 with the change indicated above (i.e., CGS was removed from the list). This revised list is posted on the NRC public Web site at <http://www.nrc.gov/reactors/operating/ops-experience/tritium/sites-grndwtr-contam.html> (via hyperlink in the center of the Web page).

If you have questions, please contact Richard Conatser at 301-415-4039 or [Richard.Conatser@NRC.gov](mailto:Richard.Conatser@NRC.gov).

Thanks, Fred

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## E-mail Properties

Mail Envelope Properties ()

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**Sent Date:** 6/16/2010 9:10:47 AM  
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**From:** Lyon, Fred

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