

## Shaeffer, Scott

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**From:** Wert, Leonard *RL*  
**Sent:** Friday, March 26, 2010 12:17 PM  
**To:** Bartley, Jonathan; Guthrie, Eugene; Hopper, George; McCoy, Gerald; Musser, Randy; Shaeffer, Scott; Sykes, Marvin  
**Subject:** FW: List of Power Plants with Leaks >20,000 pCi/l -- Boston Globe  
**Attachments:** 100323\_RLC\_--Final-- Plant List GT 20000 pCi per liter\_Boston Globe.doc

Info only....

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**From:** Brown, Frederick  
**Sent:** Friday, March 26, 2010 8:10 AM  
**To:** Boland, Anne; Caniano, Roy; Chamberlain, Dwight; Cheok, Michael; Christensen, Harold; Croteau, Rick; Roberts, Darrell; Lew, David; Clifford, James; Kennedy, Kriss; Munday, Joel; OBrien, Kenneth; Shear, Gary; Pruett, Troy; Vegel, Anton; Weerakkody, Sunil; Wert, Leonard; West, Steven; Wilson, Peter  
**Cc:** Camper, Larry; Holian, Brian; Giitter, Joseph; Evans, Michele; Tracy, Glenn  
**Subject:** FW: List of Power Plants with Leaks >20,000 pCi/l -- Boston Globe

FYI – more in the media frenzy. Note that a couple of the numbers look large (on their face), so it is possible for there to be more questions that come from this.

(copy to Larry for general awareness, and Glenn/Rick because of Vogtle)

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**From:** Conatser, Richard  
**Sent:** Thursday, March 25, 2010 4:56 PM  
**To:** Burnell, Scott  
**Cc:** Shoop, Undine; Garry, Steven; Screnci, Diane; Brown, Frederick; Cheok, Michael; Werner, Greg; White, John; Dickson, Billy; Bonser, Brian  
**Subject:** List of Power Plants with Leaks >20,000 pCi/l -- Boston Globe

Scott,

Here's the list. Getting the dates for the events really extended the original scope, but we like a challenge. I wish I had a little more time to complete the dates, but we're at the end of the day, and I know you need this data today.

I'm going to continue to collect data, and I plan to have the current status of each of these sites in the next week or so. We'll be in touch...

I'm sending this to the Branch Chiefs in the Regions also, and they may have additional input to the list we're developing.

Best Regards,

*Richard L. Conatser*  
Health Physicist  
Nuclear Regulatory Commission  
301-415-4039  
RLC5@NRC.gov

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**From:** Burnell, Scott  
**Sent:** Thursday, March 25, 2010 4:23 PM

*9-12*

**To:** Conatser, Richard  
**Cc:** Shoop, Undine; Garry, Steven; Screnci, Diane  
**Subject:** RE: DRAFT List -- Do not use  
**Importance:** High

Rich;

We're at the end of the day -- where are we at on finalizing the table? Please CC Diane on your response.  
Thanks.

Scott

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**From:** Burnell, Scott  
**Sent:** Thursday, March 25, 2010 11:52 AM  
**To:** Conatser, Richard  
**Cc:** Shoop, Undine; Garry, Steven  
**Subject:** RE: DRAFT List -- Do not use

Rich;

Summarizing data is a necessary compromise in these sorts of cases; as long as we can point to documented submittals from the plants, we have a reasonable basis for creating the table. We can use "Event Report Date" or something similar, but we must fix initial awareness of the incidents to a point in time. We need to provide the table today.

Take two:

These plants have leaked or spilled tritiated water to the environment at some time since they began operating. There is no evidence to suggest any of these events presented any public health risk. The list includes spills or leaks where the tritium concentration in the leak source or groundwater sample was greater than 20,000 pCi/l. The list does not reflect the current groundwater status of these sites.

The concentrations listed are approximate historical maximums, and some numbers have been rounded off for clarity. Although some historical data may show concentrations slightly different than what's listed, the values shown provide a reasonable perspective of the historical leaks. The numbers listed are for on-site sample points, and none of these results are from drinking water wells. As a result, any values beyond 20,000 pCi/l do not imply the EPA's safe drinking water standard was violated. Those plants listed as >20,000 pCi/l reflect the best data available at this time.