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**Hughey, John**

**From:** Bower, Fred *RF*  
**Sent:** Thursday, July 09, 2009 8:13 AM  
**To:** Hughey, John *MR*  
**Subject:** FW: Potentially more tritium discovered at Peach Bottom  
**Attachments:** Peach Bottom Geo probe initial results.pdf

.....as requested.....

*Fred Bower*

Senior Resident Inspector  
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*6/16* (b)(6) pager)  
mobile)

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**From:** Krohn, Paul

**Sent:** Wednesday, July 08, 2009 5:18 PM

**To:** Sheehan, Neil; Screnci, Diane; Tifft, Doug; McNamara, Nancy

**Cc:** Bower, Fred; Brown, Michael; Fuhrmeister, Roy; Rosebrook, Andrew; Bream, Jeffrey; Lew, David; White, John;

Nimitz, Ronald; Clifford, James; Roberts, Darrell; Hawkins, Kimberly

**Subject:** FW: Potentially more tritium discovered at Peach Bottom

Neil, Diane, Nancy, Doug,

FYI on some indications of tritium at PB. We'll have more info tomorrow. I've already engaged DRS.  
Important points to note right now:

- One test location had 122, 000 pCi/L tritium. A confirmatory sample has not been analyzed yet. Expect result tomorrow.
- No indications that there is an unmonitored release at this point. Outfall locations are LDA but any tritium would be very diluted at the outfall.
- PB found this as part of an initiative they have been undertaking for the last year. This started when PB found ~4000 pCi/l in a well adjacent to the inner screen house.
- PA and MD DEP are being given courtesy notifications by PB on this issue.

I have a site map with a more precise location of the wells. More to follow tomorrow.

Paul

**From:** Brown, Michael

**Sent:** Wednesday, July 08, 2009 4:30 PM

**To:** Krohn, Paul; Bower, Fred; Nimitz, Ronald; White, John

**Subject:** Potentially more tritium discovered at Peach Bottom

Paul et al,

Bill Maguire (Site VP) just stopped by and informed me of some preliminary results for 3 Geo-probes that were recently dug at Peach Bottom.

Information in this record was deleted in  
accordance with the Freedom of Information Act.

Exemptions

FOIA/PA

*4.6*  
*2010-0207*

For Geo-probe #2 the results were Less than Detectable (LTD)  
For Geo-probe #3 the results were 122,748 pico-Curies of Tritium  
For Geo-probe #4 the results were 22,100 pico Curies of Tritium

Note - these are just preliminary results and they have sent the samples out for confirmatory samples. Bill did indicate that he plans to give Rich Janati and the State of Maryland a call just to alert them of the potential results.

He expects to have the confirmatory results for Geo-probe #4 back either tonight or tomorrow and will make the official notifications at that time. He also indicated that they plan to take samples of the Susquehanna River to ensure that they are not seeing anything there. Bill indicated that they (PB) still feel that this could be water from the Unit 3 CST.

I have attached a picture showing where the samples were taken.

More to follow,

Mike

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Exemption 6

