

Hughey, John

From: Bower, Fred *RF*
Sent: Thursday, July 09, 2009 9:35 AM
To: Krohn, Paul; Sheehan, Neil; Scenci, Diane; Tiff, Doug; McNamara, Nancy
Cc: Brown, Michael; Fuhrmeister, Roy; Rosebrook, Andrew; Bream, Jeffrey; Lew, David; White, John; Nimitz, Ronald; Clifford, James; Roberts, Darrell; Hawkins, Kimberly; Hughey, John
Subject: RE: Potentially more tritium discovered at Peach Bottom
Attachments: IR 939717 - Tritium.doc; LS-AA-1120 Groundwater initiative.pdf; PB Tritium Monitoring Well Data.pdf; Peach Bottom - Tritium Map.pdf

A quick update:

Peach Bottom received the results of the sampling of Geo-probe #4 and the results were greater than 20,000 pico Curies of Tritium. (An expanded view map of the location of these probes is attached). This CAP document for this event is also attached for information.

Attached for information is information from Monitoring Wells that Peach Bottom has been sampling weekly. Currently, the highest sample result is from the Unit 3 yard drain sump. This location is not shown on the map but is located behind the Unit 3 Reactor Building and in the vicinity of the Unit 3 CST. The next highest value (2900 pCi/L) is from monitoring well #4 (MW-PB-4 on the attached map).

In accordance with the Industry Ground Water Protection Initiative, Peach Bottom has determined that only "informal" and voluntary notification of NRC and State officials by the end of the business day (today) is required. This means that a notification to the HOO is not required. However, Peach Bottom is still developing their reportability and communications plans. (Excerpt of Exelon Reportability Manual (LS-AA-1120) is attached for information).

Peach Bottom is considering a press release on this issue. If a press release is made, Peach Bottom will make a 50.72 to the HOO for the press release.

Fred Bower

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From: Krohn, Paul *RF*
Sent: Wednesday, July 08, 2009 5:18 PM
To: Sheehan, Neil; Scenci, Diane; Tiff, 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:

Information in this record was deleted in accordance with the Freedom of Information Act.
Exemptions: 6

FOIA/PA 2010-0209

X-3

- 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.

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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