

From: Bower, Fred
Sent: Thursday, April 24, 2014 3:30 PM
To: aceactivists@comcast.net
Cc: Ennis, Rick; Scott, Michael; Benner, Eric; Noggle, James; Nimitz, Ronald; Furia, Joseph; Barber, Scott; DiPaolo, Eugene; Montgomery, Richard; Pinkham, Laurie; Thompson, Margaret; Screnci, Diane; Sheehan, Neil; McNamara, Nancy; Tift, Doug; Bower, Fred
Subject: RE: ACE - Limerick Low-Level Radioactive Wastes - Volumes and Destinations (EDATS 2014-0112)

Dr. Cuthbert (ACE),

This is in response to your emails dated April 4, 7, and 8, 2014 (ML14097A396). Your April 4, 2014, email pertained to the review of all solid LLRW reports for Limerick's since 2009 and the shipment of LLRW from Limerick to Peach Bottom.

Similar information was previously communicated to ACE in a March 10, 2009, letter from Mr. Paul Krohn (ML090690770). This email provided ADAMS Accession Numbers for the requested annual effluents reports for 2003 through 2007. The letter continued and stated, in part, that in each report, the specific data regarding the types, quantities, and destinations for solid radioactive waste shipments can be found in Appendix B of these reports (for example, page 25 in the 2007 report, ML081260683).

In a March 20, 2013, email from Mr. Mel Gray to you (ML13080A271) the ADAMS Accession Numbers were provided for the requested annual effluents reports from 2008 through 2011. The 2012 report can be found at accession number ML13127A030 (ADAMS package ML131270030). As stated in Mr. Gray's email, the radioactive effluent reports for all nuclear power plants can be found at: <http://www.nrc.gov/reactors/operating/ops-experience/tritium/plant-info.html>. Your emails indicated that you have had problems with this link, so if this link does not work, it is suggested that you type the address into your browser.

As noted above, the specific solid radwaste characterization including, the type, volume (in cubic meters), and the activity (in curies) of each waste type is contained in Appendix B of the annual effluents reports. Please note, by regulation, the characterization of radwaste by weight (in pounds or tons) is not required to be reported in the Annual Radioactive Effluent Release Report. Your emails also requested the destinations of radwaste shipments. The destination information is also located in Appendix B of the annual effluents reports for the years provided. Our regional radiation protection and radwaste specialist inspectors were consulted and they have informed us that Exelon's annual effluent reports have met the regulatory requirements and guidance regarding radwaste characterization and disposition reporting.

Please note that this is the third response on this topic. Therefore, rather than submitting additional questions on this same topic by email, I request that you contact me at 610-337-5200 so that we can discuss them on the phone.

Sincerely,

Fred Bower
Chief | Projects Branch 4 | Division of Reactor Projects | Region I | U.S. NRC
2100 Renaissance Boulevard, STE 100, King of Prussia, PA 19406
| Phone: (610) 337-5200 | BB: (610) 731-1920 | Email: Fred.Bower@nrc.gov

From: aceactivists@comcast.net [mailto:aceactivists@comcast.net]

Sent: Tuesday, April 08, 2014 1:23 PM

To: Bower, Fred

Subject: Re: ACE - Limerick Low-Level Radioactive Wastes - Volumes and Destinations (EDATS 2014-0112)

Mr. Bower -

The information being sought is not included in the reports you have identified. What we specifically requested is reports for Limerick on their SOLID low-level radioactive wastes produced, and listings of the volumes of solid LLRW produced at Limerick each year for which records exist. In addition, we also want records of the specific destinations and volume amounts where Limerick's solid LLRW were disposed. We want to know the exact volume in pounds or tons for each shipment. The number of trucks or shipments sent is not sufficiently specific. NRC website information only identifies approved disposal sites and totals for the nation.

Please provide us with this specific information for Limerick Nuclear Power Plant as soon as possible.

Thank you.

Dr. Cuthbert

From: "Fred Bower" <Fred.Bower@nrc.gov>

To: aceactivists@comcast.net

Cc: "Michael Scott" <Michael.Scott@nrc.gov>, "Eric Benner" <Eric.Benner@nrc.gov>, "James Noggle" <James.Noggle@nrc.gov>, "Ronald Nimitz" <Ronald.Nimitz@nrc.gov>, "Joseph Furia" <Joseph.Furia@nrc.gov>, "Scott Barber" <Scott.Barber@nrc.gov>, "Eugene DiPaolo" <Eugene.DiPaolo@nrc.gov>, "Richard Montgomery" <Richard.Montgomery@nrc.gov>, "Laurie Pinkham" <Laurie.Pinkham@nrc.gov>, "Margaret Thompson" <Margaret.Thompson@nrc.gov>, "Diane Screnci" <Diane.Screnci@nrc.gov>, "Neil Sheehan" <Neil.Sheehan@nrc.gov>, "Nancy McNamara" <Nancy.McNamara@nrc.gov>, "Doug Tiff" <Doug.Tiff@nrc.gov>, "Fred Bower" <Fred.Bower@nrc.gov>

Sent: Tuesday, April 8, 2014 11:20:44 AM

Subject: RE: ACE - Limerick Low-Level Radioactive Wastes - Volumes and Destinations (EDATS 2014-0112)

Dr. Cuthbert (ACE),

Based on my understanding of your request, I believe that the information that you seek is in the annual Radioactive Effluents Release Report that Exelon submits for Limerick in accordance with Title 10, Code of Federal Regulations (CFR), Part 50.36a (a)(2). As I previously provided you in my email of March 31, 2014, these reports can be located on our website at: <http://www.nrc.gov/reactors/operating/ops-experience/tritium/plant-info.html>.

If you are unable to locate the reports using this link (that worked for me), I suggest that you call me at 610-337-5200 and I will attempt to step you through retrieval of this information via computer.

Please call today since I will be leaving the office this afternoon for NRC mission-related travel and will not return to the office until April 14, 2014. While I am on travel, I will not be checking my voicemail or responding to emails.

If you choose not call, I will provide a more detailed email response sometime before May 7, 2014.

Sincerely,
Fred Bower

From: aceactivists@comcast.net [mailto:aceactivists@comcast.net]
Sent: Monday, April 07, 2014 4:39 PM
To: Bower, Fred
Subject: Re: Limerick Low-Level Radioactive Wastes - Volumes and Destinations

Mr. Bower,

That is not acceptable. It shouldn't take 30 days for you to provide us with ADAMS locations for LLRW documents and reports to which you referred us. They were not available where you sent us. You claimed you had the information, but failed to adequately identify where it can be located.

We started discussing this issue January 25, 2014, over two months ago. It is now April 7. If you wait 30 more days, we will be unable to review those ADAMS documents in order to have an informed discussion with you at the 5-7-14 meeting.

We are asking you to send the ADAMS LLRW locations within the next week.

Thank you,
Dr. Cuthbert

From: "Fred Bower" <Fred.Bower@nrc.gov>
To: aceactivists@comcast.net
Cc: "Harold Anagnostopoulos" <Harold.Anagnostopoulos@nrc.gov>, "Michael Scott" <Michael.Scott@nrc.gov>, "Eric Benner" <Eric.Benner@nrc.gov>, "James Noggle" <James.Noggle@nrc.gov>, "Ronald Nimitz" <Ronald.Nimitz@nrc.gov>, "Joseph Furia" <Joseph.Furia@nrc.gov>, "Scott Barber" <Scott.Barber@nrc.gov>, "Eugene DiPaolo" <Eugene.DiPaolo@nrc.gov>, "Richard Montgomery" <Richard.Montgomery@nrc.gov>, "Laurie Pinkham" <Laurie.Pinkham@nrc.gov>, "Margaret Thompson" <Margaret.Thompson@nrc.gov>, "Diane Screnci" <Diane.Screnci@nrc.gov>, "Neil Sheehan" <Neil.Sheehan@nrc.gov>, "Nancy McNamara" <Nancy.McNamara@nrc.gov>, "Doug Tiff" <Doug.Tiff@nrc.gov>
Sent: Monday, April 7, 2014 1:07:14 PM
Subject: RE: Limerick Low-Level Radioactive Wastes - Volumes and Destinations

Dear Dr. Cuthbert (ACE):

I have received and performed an initial review of your email. Because my initial review did not identify an immediate or overriding safety issue, we will use our normal response procedures and respond to you within a reasonable period of time (usually 30 days).

Fred Bower
Chief | Projects Branch 4 | Division of Reactor Projects | Region I | U.S. NRC
2100 Renaissance Boulevard, STE 100, King of Prussia, PA 19406 | ☎: (610) 337-5200 | BB: (610) 731-1920 |
✉: Fred.Bower@nrc.gov

From: aceactivists@comcast.net [mailto:aceactivists@comcast.net]
Sent: Friday, April 04, 2014 9:19 AM
To: Bower, Fred
Subject: Limerick Low-Level Radioactive Wastes - Volumes and Destinations

Mr. Bower,

After spending considerable time trying to locate the information we seek, it appears your response and links to information below has only provides information for liquid and gaseous radioactive releases.

We are interested in specifically reviewing all solid LLRW reports for Limerick's since 2009. You state below, "*Included in the regulation is a requirements for each licensee to report on the disposal of solid LLRW.*"

Data reported includes:

- *(1) type of waste (e.g., spent resin, dry active waste, irradiated components);*
- *(2) total quantity (volume) for each type of waste;*
- *(3) total activity (in Curies) for each type of waste; and (4) disposition location."*

The links you provided to us and multiple searches of ADAMS failed to locate any documents or data related to these reports.

Please identify ADAMS Accession Numbers where we can review these reports for Limerick's SOLID LLRW volume and disposal destinations for 2009 through 2013. Please include ADAMS Accession Numbers for ALL Limerick LLRW shipments to Peach Bottom for the same time period.

This information would be very much appreciated as soon as possible as we are preparing questions for the upcoming May meeting and need time for review and analysis of that information.

Thank you,
Dr. Lewis Cuthbert