

## LA-UR-20-22239

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Title: Notification of Planned Start of a Radiological Air Emissions Point  
Source: Venting of Flanged Tritium Waste Containers (FTWCs) at TA-54

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Date: **MAR 11 2020**

Mr. George Brozowski  
Senior Regional Health Physicist/Radon Policy Advisor  
U.S. Environmental Protection Agency, Region 6  
1201 Elm Street, Suite 500  
Mail Stop 6ARSI  
Dallas, TX 75270-2102

**SUBJECT: Notification of Planned Start of a Radiological Air Emissions Point Source:  
Venting of Flanged Tritium Waste Containers (FTWCs) at TA-54**

Dear Mr. Brozowski:

This memo serves as a Notification of Startup under 40 CFR 61.09(a)(1) for a new point source of radionuclide air emissions at Technical Area 54 Area G, Building 1028, at the Los Alamos National Laboratory (LANL or the Laboratory). This building will be used for the venting operation of the Flanged Tritium Waste Containers (FTWCs). Section 61.09 states:

61.09 Notification of Startup.

- (a) The owner or operator of each stationary source ... shall furnish the Administrator with written notification as follows:
- (1) A notification of the anticipated date of initial startup of the source not more than 60 days nor less than 30 days before that date.
  - (2) A notification of the actual date of initial startup of the source within 15 days after that date.

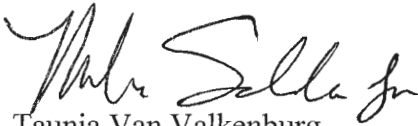
LANL will begin venting the FTWCs as a radionuclide emissions source effective on April 17, 2020. This includes daily sampling during venting, periodic flow measurements, and daily inspections. As required in 61.09(a)(2), we will be notifying you of the actual start date of radiological operations shortly after operations commence.

Activities planned for the FTWC venting were described in detail in our Application for Pre-construction Approval dated May 17, 2019. We received EPA approval of the pre-construction application on May 22, 2019.

Stack flow characterization testing was successfully conducted on a scale model of the venting system in 2019 in order to proceed with stack design. Validation tests (flow velocity and cyclonic flow measurements) were successfully completed in October 2019. Documentation of the stack and sample system is maintained on-site for your review.

If you have questions or comments, please contact David Fuehne of my staff. David can be reached by email at [davef@lanl.gov](mailto:davef@lanl.gov) or by phone at (505) 699-5619.

Sincerely,



Taunia Van Valkenburg  
Group Leader  
Environmental Compliance Programs  
Triad National Security, LLC

TVV/DPF/RRL:jdm

Attachment(s): None.

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