



ESHID-603377

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Symbol: EPC-DO: 19-112  
LA-UR: 19-22764  
Locates Action No.: U1801172  
Date: **APR 09 2019**

Ms. Michelle Hunter, Chief  
Ground Water Quality Bureau  
New Mexico Environment Department  
Harold Runnels Building, Room N2261  
1190 St. Francis Drive  
P.O. Box 26110  
Santa Fe, NM 87502

**Subject: DP-1132, Condition Nos. 21 and 22, Installation and Calibration of Flow Meters**

Dear Ms. Hunter:

On August 29, 2018, the New Mexico Environment Department (NMED) issued Discharge Permit DP-1132 to the U.S. Department of Energy and Los Alamos National Security, LLC (subsequently transferred to Triad National Security, LLC) for discharges of treated effluent from the TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF). Pursuant to permit Condition No. 21, *Installation of Flow Meters*, the U.S. Department of Energy and Triad National Security, LLC (DOE/Triad) are required to submit by April 26, 2019, verification that flow meters were installed at four locations. **Attachment 1**, Table 1, provides the location, installation dates, and meter type for the required meters.

Pursuant to permit Condition No. 22, *Calibration of Flow Meters*, DOE/Triad are required to (1) calibrate each of the four referenced flow meters by February 25, 2019, (2) prepare a calibration report for each flow meter, and (3) maintain records of flow meter calibration at a location accessible for review by NMED during facility inspections. Calibration of the four referenced flow meters was completed by October 31, 2018. Calibration reports were prepared for each meter and will be maintained at the Facility, as required by Condition No. 22. **Attachment 1**, Table 2, provides information on the calibration dates, calibration method, and meter accuracy for the required meters.

Please contact Karen E. Armijo by telephone at (505) 665-7314 or by email at [Karen.Armijo@nnsa.doe.gov](mailto:Karen.Armijo@nnsa.doe.gov), or Robert S. Beers by telephone at (505) 667-7969 or by email at [bbeers@lanl.gov](mailto:bbeers@lanl.gov) if you have questions regarding this information.

Sincerely,



Enrique "Kiki" Torres  
Division Leader  
Environmental Protection & Compliance  
Triad National Security, LLC

Sincerely,



Karen E. Armijo  
Permitting and Compliance Program Manager  
National Nuclear Security Administration  
U.S. Department of Energy

ET/KEA/MTS/RSB:jdm

Attachment(s): Attachment 1, Tables 1 and 2, flow meter installation and calibration information

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# **ATTACHMENT 1**

Tables 1 and 2, flow meter installation and  
calibration information

EPC-DO-19-112

LA-UR-19-22764

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**Table 1. Flow Meter Installation Information Required by DP-1132, Condition No. 21.**

<b>Meter</b>	<b>Meter Location</b>	<b>Installation Date</b>	<b>Meter Type</b>
Low-level Influent to RLWTF	WRRM Facility	October 2018	Signet 2551 Magmeter
Effluent to the SET	Building 50-01, Room 34B	September 2018	Signet 2551 Magmeter
Effluent to the MES	Structure 50-257 (MES)	March 2018	Signet 2551 Magmeter
Effluent to Outfall	Building 50-01, Room 34B	September 2018	Signet 2551 Magmeter

**Table 2. Flow Meter Calibration Information Required by DP-1132, Condition No. 22.**

<b>Meter</b>	<b>Calibration Date(s)</b>	<b>Calibration Method</b>	<b>Meter Accuracy Under Field Conditions</b>
Low-level Influent to RLWTF	October 16-18, 2018	known tank volume	within +/- 10% of actual flow
Effluent to the SET	September 12-24, 2018	calibrated reference meter	within +/- 5% of actual flow
Effluent to the MES	March 27-29, 2018	calculated volume from known tank weight using calibrated scale	within +/- 5% of actual flow
Effluent to Outfall	September 12-24, 2018	calibrated referenced meter	within +/- 5% of actual flow