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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, or Robert S. Beers by telephone at (505) 667-7969 or by email at 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

Date: APR 09 2019

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

Meter	Meter Location	Installation Date	Meter Type
Low-level Influent to RLWTF	WMRM 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.

Meter	Calibration Date(s)	Calibration Method	Meter Accuracy Under Field Conditions
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