



NM0028355
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Environment, Safety, Health & Quality
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National Nuclear Security Administration
Los Alamos Site Office, A316
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Los Alamos, New Mexico 87545
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Date: August 19, 2010
Refer To: ENV-RCRA-10-162
LAUR: 10-05550

Ms. Sonia Hall
U.S. Environmental Protection Agency, Region 6
Water Quality Protection Division
Planning and Analysis Branch (6WQ-N)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733



Dear Ms. Hall:

SUBJECT: LOS ALAMOS NATIONAL LABORATORY, NPDES PERMIT NO. NM0028355, NOTICE OF PLANNED CHANGE AT NPDES OUTFALL 051

The National Pollutant Discharge Elimination System (NPDES) Permit No. NM0028355 for the National Nuclear Security Administration (NNSA) and Los Alamos National Security, LLC (LANS) requires the permittee(s) to notify the U. S. Environmental Protection Agency (EPA) regarding any physical alterations or additions to the permitted facility that could significantly change the nature or increase the quantity of pollutants discharged (see Part III.D.1.a. *Reporting Requirements*). The following changes are being made at the TA-50 Radioactive Liquid Waste Treatment Facility to reduce and/or eliminate the volume of treated effluent being discharged to Outfall 051 due to the new stringent copper and zinc limits that became effective August 1, 2010:

Short-term

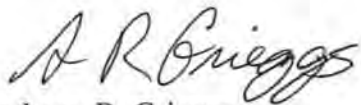
A double-contained pipe will be installed from the effluent "Frac" tanks to allow for flows to both the existing cooling towers (Code 1-E) associated with the evaporator (Code 1-E) and for reprocessing. The blowdown from the cooling tower and over flow lines from the cooling towers will be routed for reprocessing.

Long-term

Alternatives are currently being evaluated to procure a trailer mounted evaporation system for effluent water entering the system that has sufficient capacity to ensure evaporation is greater than current effluent production and to account for cooling loss during winter months. Both the short-term and long-term changes are documented in the revised schematic for RLWTF (see Enclosure 1).

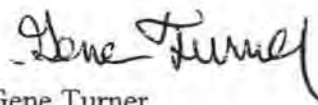
Please contact Marc Bailey at (505) 665-8135 or Mike Saladen at (505) 665-6085 of the Water Quality and RCRA Group (ENV-RCRA) if you have questions.

Sincerely,



Anthony R. Grieggs
Group Leader
Water Quality & RCRA Group (ENV-RCRA)
Los Alamos National Security, LLC

Sincerely,



Gene Turner
Environmental Permitting Manager
Environmental Projects Office
Los Alamos Site Office
National Nuclear Security Administration

ARG:GT:MB/lm

Enclosure: a/s

Cy: Brent Larson, USEPA/Region 6, Dallas, TX, w/enc.
Isaac Chen, USEPA/Region 6, Dallas, TX, w/enc.
Glenn Saums, NMED/SWQB, Santa Fe, NM, w/enc.
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Chris Del Signore, TA-55-RLW, w/enc., E518
Denny L. Hjeresen, ENV-DO, w/enc., (E-File)
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IRM-RMMSO, w/enc., A150

ENCLOSURE 1

LANL Radioactive Liquid Waste Treatment Facility (TA-50)
Process Schematic (as of 08/18/2010)

