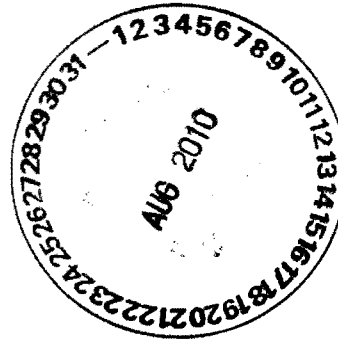




TAGSO

ENTERED



Environmental Protection Division
Water Quality & RCRA Group (ENV-RCRA)
P.O. Box 1663, Mail Stop K490
Los Alamos, New Mexico 87545
(505) 667-7969/FAX: (505) 665-9344

Date: August 25, 2010
Refer To: ENV-RCRA-10-166
LAUR: 10-05665

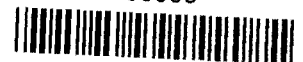
Mr. William C. Olson, Bureau Chief
Ground Water Quality Bureau
New Mexico Environment Department
Harold Runnels Building, Room N2250
1190 St. Francis Drive
P.O. Box 26110
Santa Fe, NM 87502

Dear Mr. Olson:

**SUBJECT: TA-50 RADIOACTIVE LIQUID WASTE TREATMENT FACILITY,
DISCHARGE PLAN (DP-1132), MINOR MODIFICATION**

In accordance with 20.6.2.3107 of the New Mexico Water Quality Control Commission Regulations, Los Alamos National Laboratory is notifying you of a minor modification to the TA-50 Radioactive Liquid Waste Treatment Facility's Discharge Plan (DP-1132). New, stringent copper and zinc limits became effective August 1, 2010, in the National Pollutant Discharge Elimination System (NPDES) Permit (NM0028355) issued to the National Nuclear Security Administration (NNSA) and Los Alamos National Security, LLC (LANS) for the TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF). The following changes are being made at the TA-50 RLWTF to reduce and/or eliminate the volume of treated effluent being discharged to NPDES Outfall 051 in Mortandad Canyon:

- 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 Bob Beers at (505) 667-7969 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

ARG:BB/lm

Enclosure: a/s

Cy: Glenn Saums, NMED/SWQB, Santa Fe, NM, w/enc.
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Robert Mason, TA55-DO, w/enc., E583
Denny L. Hjeresen, ENV-DO, w/enc., (E-File)
Randy Johnson, ENV-ES, w/enc., E500
Mike Saladen, ENV-RCRA, w/enc., (E-File)
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Hugh McGovern, TA-55 RLW, w/enc., E518
Pete Worland, TA-55-RLW, w/enc., E518
Chris Del Signore, TA-55-RLW, w/enc., E518
Steve Hanson, TA-55-RLW, w/enc., E518
ENV-RCRA File, K490
IRM-RMMSO, A150

ENCLOSURE 1

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

