



Risk Reduction & Environmental Stewardship Division
Water Quality & Hydrology Group (RRES-WQH)
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Date: November 27, 2002
Refer to: RRES-WQH: 02-438

Mr. Samuel Coleman, P. E., Director
Compliance Assurance and Enforcement Division (6-EN)
U. S. Environmental Protection Agency, Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733



**SUBJECT: NOTICE OF PLANNED CHANGES AT TA-50 RLWTF,
NPDES PERMIT NO. NM0028355**

Dear Mr. Coleman:

The National Pollutant Discharge Elimination System (NPDES) Permit No. NM0028355 for Los Alamos National Laboratory requires the permittee 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 the quantity of pollutants discharged. In accordance with Part III.D.1.a. *Reporting Requirements* of the Laboratory's NPDES Permit, the Laboratory is notifying EPA regarding the proposed installation of the influent tank farm and reverse osmosis (RO) pilot units at Technical Area 50, Radioactive Liquid Waste Treatment Facility (TA-50 RLWTF). These modifications to the TA-50 RLWTF will significantly increase storage capacity and should improve future water quality at NPDES Outfall 051. The following changes are shown on the enclosed schematic diagram:

- 1) Proposed Influent Tanks and Pump House (dashed lines) are estimated to be installed and operational in September, 2004; and,
- 2) Brackish Water (BW) RO unit and Sea Water (SW) RO unit with associated Ultra Filter (dashed lines) are currently being installed for a pilot study at the facility.

Please note that a Memcor Microfilter and Centrifugal Ultra Filtration (CUF) have previously been installed in order to improve operation and facilitate removal of reject and solids from the treatment process.

Please contact Mike Saladen of the Laboratory's Water Quality and Hydrology Group at (505) 665-6085 if additional information would be helpful.

Sincerely,

Steven Rae
Water Quality & Hydrology Group

SR:MS/tml

Enclosures: a/s

Cy: W. Strickley, USEPA, Region VI, Dallas, Texas, w/enc.
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RRES-WQH File, w/enc., MS K497
IM-5, w/enc., MS A150

LANL Radioactive Liquid Waste Treatment Facility (TA-50)
Process Schematic (as of 11/12/02)

