



## MEMORANDUM

DATE: 6-20-89

TO: Kelley Crossman, HWB

FROM: Mike Saladen, SWQB *MS*

SUBJECT: LANL - Public Comments

The NPDES permit does not require radioactive monitoring. Radioactive elements are monitored by the NRC. You can not have 2 federal facilities (EPA/NRC) regulate the same parameters. LANL is required to analyze for heavy metals. I have enclosed the effluent limits for the TA-50 outfall. Sorry it took this long to response. If you have any questions call me at 821-2798

ADM 031A Issued 6/78



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PART I  
REQUIREMENTS FOR NPDES PERMITS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL 051

During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 051 - radioactive waste treatment plant discharge.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>			
	<u>Mass(lbs/day)</u>		<u>Other Units (Specify)</u>	
	<u>Daily Avg</u>	<u>Daily Max</u>	<u>Daily Avg</u>	<u>Daily Max</u>
Flow (MGD)	N/A	N/A	(*1)	(*1)
Ammonia (as N)	N/A	N/A	Report mg/l	Report mg/l
Chemical Oxygen Demand	42.7(94)	70.9(156)	N/A	N/A
Total Suspended Solids	8.6(18.8)	29.5(62.6)	N/A	N/A
Total Cadmium	0.03(0.06)	0.14(0.30)	N/A	N/A
Total Chromium	0.09(0.19)	0.17(0.38)	N/A	N/A
Total Copper	0.28(0.63)	0.28(0.63)	N/A	N/A
Total Iron	0.45(1.0)	0.90(2.0)	N/A	N/A
Total Lead	0.03(0.06)	0.07(0.15)	N/A	N/A
Total Mercury	0.001(0.003)	0.04(0.09)	N/A	N/A
Total Zinc	0.28(0.62)	0.83(1.83)	N/A	N/A

<u>Effluent Characteristic</u>	<u>Monitoring Requirements</u>	
	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow (MGD)	Continuous	Record
Ammonia (as N)	1/Month	Grab
Chemical Oxygen Demand	1/Week	Grab
Total Suspended Solids	1/Week	Grab
Total Cadmium	1/Week	Grab
Total Chromium	1/Week	Grab
Total Copper	1/Week	Grab
Total Iron	1/Week	Grab
Total Lead	1/Week	Grab
Total Mercury	1/Week	Grab
Total Zinc	1/Week	Grab

(\*1) Report.

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OUTFALL 051

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored continuous, record.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Prior to discharge from TA 50-1.