

Permit

# Los Alamos

NATIONAL LABORATORY

Los Alamos National Laboratory  
Los Alamos, New Mexico 87545

Date: October 23, 1995  
In Reply Refer To: ESH-18/WQ&H:95-482  
Mail Stop: K497  
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*Glenn*  
*cc -> Ralph Fowles-Schmid*

*Reg. NPDES*

Ms. Diana Gamble  
U.S. Environmental Protection Agency  
Compliance Assurance and Enforcement Division  
Water Enforcement Branch (6EN-W)  
1445 Ross Avenue  
Dallas, Texas 75202-2733

*Monitors*

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OCT 26 1995

SURFACE WATER  
QUALITY BUREAU

**SUBJECT: REVISED DISCHARGE MONITORING REPORTS (DMRs) FOR RADIUM 226+228 AT OUTFALL 051, NPDES PERMIT NO. NM0028355**

Dear Ms. Gamble:

As discussed in our letter of October 6, 1995, I am enclosing amended DMRs for the months of June and August, 1995, and for the annual Water Quality Standards testing (August 1, 1994, through July 31, 1995) for Industrial Outfall 051. These reports are being submitted to correct erroneous results and exceedances for Ra 226+228. The Laboratory has determined that interference from Sr-90 during analytical testing caused a positive bias for Ra-228 resulting in inaccurate values and exceedances. Re-analysis of the original samples by Gamma Spectroscopy accounting for the interference, indicates Ra-228 was below permit limits. The reported and corrected values for Ra 226+228 are listed below.

<u>DMR</u>	<u>Ra 226+228 Avg. and Max. As Reported</u>	<u>Ra 226+228 Avg. and Max. Corrected</u>
June 1995	48.4 pCi/L	9.9 pCi/L
August 1995	33.0 pCi/L	10.8 pCi/L
Annual WQS	60.9 pCi/L	11.9 pCi/L

Please note the corrected values for Ra 226+228 do not exceed the daily average and maximum permit limit of 30.0 pCi/L. The DMRs have been revised to reflect this change. In addition, I am enclosing the written results for Ra-228 including the Laboratory's review of the associated analytical data packages. In the case where duplicate results were obtained for Ra-228, the higher value was reported.

Please contact Brenda Edeskuty at (505) 665-0789 or Mike Saladen at (505) 665-6085 if you have any questions or need additional information. Thank you for your assistance in this matter.

Sincerely,



Steven R. Rae  
Group Leader, (ESH-18)  
Water Quality and Hydrology Group



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Ms. Diana Gamble  
ESH-18/WQ&H:95-482

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October 23, 1995

SR:BE:/vc

Attach: a/s

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