

**Department of Energy**

Oak Ridge Operations Office  
P.O. Box 2001  
Oak Ridge, Tennessee 37831—

**NOV 27 1996**

Mitchell C. Scherzinger  
Environmental Engineer  
Federal Facilities Section  
Missouri Department of Natural Resources  
P.O. Box 176  
Jefferson City, MO 65102-0176

Dear Mr. Scherzinger:

**RESPONSE TO MDNR'S REVIEW OF STORMWATER DISCHARGE MONITORING  
REPORT 3RD QUARTER 1996**

Your letter of November 14, 1996, requested a written explanation regarding two issues in the "Hazelwood Interim Storage Site (HISS) - Stormwater Discharge Monitoring for Compliance with NPDES Permit MO-111252 - Transmittal of Third Quarter 1996 Monitoring Report". The following response to each of your questions is provided:

1. "Why within the month of August, where two significant rainfall events occurred, no samples were taken for analysis"

RESPONSE: We have noted in previous quarterly reports, that the site is not staffed on weekends or holidays (Table 1 NOTE in the 3rd quarter report). The NOAA data indicates the first rain event (0.17") occurred on Sunday, August 18, 1996, when no personnel were on site, and the second event (1.30") occurred on Friday, August 23, but did not start until about 4:00 pm (site personnel normally leave the site at 3:30). We have been proactive in resolving this issue and will be installing automated sampling equipment in December 1996 to address the collection of stormwater samples during those times that no personnel are available at the HISS location.

2. "How within the third quarter the sum of the ratios can be calculated when the value for lead-210 was unavailable at the time of the preparation of this report"

RESPONSE: The sum-of-the-ratios calculation for the third quarter report was performed using "the observed concentrations of each radionuclide," which at the time of reporting could not include the Pb-210 concentrations. The third quarter reported SOR was 0.03 for outfall 001 and 0.06 for outfall 002.

As is noted in footnote g of Table 2, Pb-210 results for the third quarter "will be reported in the fourth quarter report, and so footnoted."

Mr. Scherzinger

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Following publication of the quarterly report, the third quarter Pb-210 concentrations have been received and are  $1.80 \pm 1.40$  pCi/L (outfall 001) and  $3.20 \pm 1.30$  pCi/L (outfall 002). The recalculated SOR for the third quarter data is 0.09 (outfall 001) and 0.17 (outfall 002), both of which are well below the SOR criterion of 1. In addition, the maximum SOR values for outfall 001 and 002 over the past 15 quarters have not exceeded 0.30 for any one quarter (including using the concentration of Pb-210 for that respective quarter).

If you have any additional questions or comments, please feel free to contact me at your convenience.

Sincerely,



David G. Adler, Site Manager  
Former Sites Restoration Division

00-2205

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Formerly Utilized Sites Remedial Action Program (FUSRAP)

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# ADMINISTRATIVE RECORD

for the St. Louis Site, Missouri

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