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Date: November 2, 2005
 Refer to: ER2005-0783

Mr. James Bearzi
 NMED – Hazardous Waste Bureau
 2905 Rodeo Park Drive East, Building 1
 Santa Fe, NM 87505-6303

SUBJECT: DP CANYON QUARTERLY INSPECTION REPORT FOR FOURTH QUARTER FISCAL YEAR 2005



Dear Mr. Bearzi:

Enclosed please find the DP Canyon quarterly inspection report for the fourth quarter of fiscal year 2005 (FY2005). This quarterly report presents the results of the final visual inspection conducted at the DP Canyon petroleum seeps. Per the approval letter from NMED, dated September 20, 2005, in lieu of the quarterly visual inspections, diesel range organics will be included in the analytical suite for samples collected from surface water sampling station E038.

If you have any questions or concerns, please contact Becky Coel-Roback at 665-5011 (becky_cr@lanl.gov), Armand Groffman at 667-2682 (groffman@lanl.gov), or Woody Woodworth at 665-5820 (lwoodworth@doeal.gov).

Sincerely,

David McInroy, Deputy Program Director
 Environmental Remediation & Surveillance
 Los Alamos National Laboratory

Sincerely,

David Gregory, Federal Project Director
 Department of Energy
 Los Alamos Site Office



BCR/jk

Enclosure: DP Canyon Quarterly Inspection Report for Fourth Quarter FY05
(ER2005-0782)

Cy:(w/enc)

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DP Canyon Quarterly Inspection Report for Fourth Quarter, Fiscal Year 2005

Introduction: Regular inspections are conducted to assess the status of two petroleum hydrocarbon seeps in DP Canyon. These seeps, which are downgradient from Solid Waste Management Unit 21-029 (DP Tank Farm), are referred to as the upstream and downstream seeps (Figure 1). The frequency of the inspections has been reduced to quarterly following nearly four years of monthly or semimonthly inspections. The results of these inspections are used to document any changes in the petroleum hydrocarbon seep areas in relation to seasonal changes and recent precipitation.

Date: September 28, 2005

Time: 2:00 p.m.

Personnel: Becky Coel-Roback and Jared Lyman

Weather: 70 °F, sunny, warm, slightly breezy

Precipitation: 6.43 in., approximate total since the June inspection (Source: Los Alamos National Laboratory Weather Machine, TA-53 station).

Presence of standing or running water: Despite above-average rainfall throughout the month, there was no running water coming from the culverts at the head of DP Canyon at the time of the September 2005 inspection. There was a small amount of standing water in the concrete channel below the culverts. There were significant quantities of standing water at both the upstream and downstream seep areas, as well as low flow at both locations.

Location and intensity of odors, staining, or sheen (see Figure 1 for locations):

	Air	Water	Soil/Sediment
Upstream Location	No petroleum hydrocarbon odor in air	No petroleum hydrocarbon sheen on standing water	Slight petroleum hydrocarbon odor in disturbed sediments
Downstream Location	No petroleum hydrocarbon odor in air	No petroleum hydrocarbon sheen on standing water	Slight petroleum hydrocarbon odor in disturbed sediments

Photographs: The following photographs were taken during the site visit (see Figure 1 for locations).



Location 1. Standing water at the head of DP Canyon (September 2005 inspection)



Location 2. Standing water at the upstream location (September 2005 inspection)



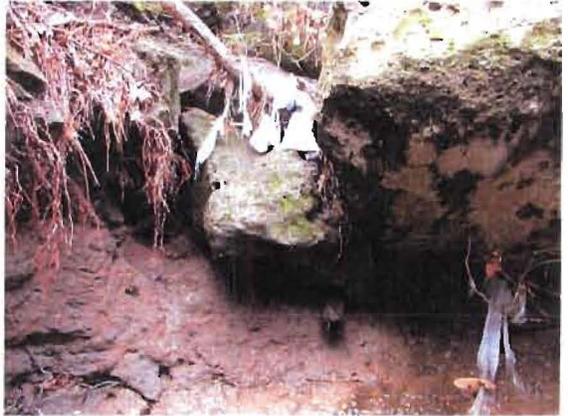
Location 3. Cut bank at the upstream location (September 2005 inspection)



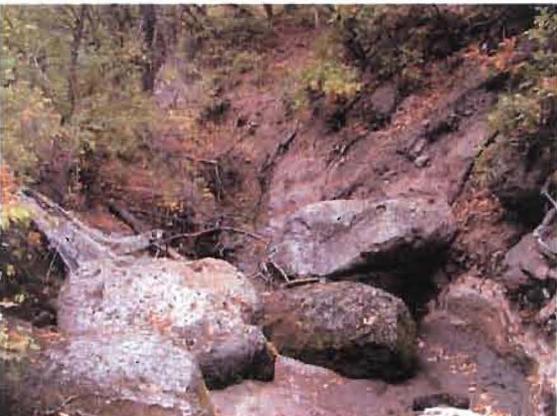
Location 4. Stream channel, looking downstream from sample location 21-11136 (September 2005 inspection)



Location 5. Downstream seep location (September 2005 inspection)



Location 6. Cut bank at the downstream location (September 2005 inspection)



Location 7. Stream channel, looking upstream from sample location 21-11176 (September 2005 inspection)

