



Los Alamos
NATIONAL LABORATORY
EST. 1943

Los Alamos National Laboratory/University of California
Environmental Stewardship (ENV)
Remediation Services (RS), MS M992
Los Alamos, New Mexico 87545
(505) 667-0808/FAX (505) 665-4747

TA00



National Nuclear Security Administration
Los Alamos Site Operations, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
(505) 667-7203/FAX (505) 665-4504

Date: April 29, 2005
Refer To: ER2005-0239

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 SECOND QUARTER, FY05



Dear Mr. Bearzi:

Enclosed please find the DP Canyon quarterly inspection report for the second quarter of fiscal year 2005. In the past, these reports have been submitted as an appendix to the quarterly technical report. Because quarterly technical reports are no longer submitted to New Mexico Environment Department, the DP Canyon quarterly inspection report is submitted as a stand-alone document. If you have any questions, please contact Becky Coel-Roback at (505) 665-5011 or Woody Woodworth at (505) 665-5820.

Sincerely,

David McInroy, Deputy Project Director
ENV- Remediation & Surveillance
Los Alamos National Laboratory

DM/DG/jk

Enclosures: Attachment: DP Canyon Quarterly Inspection Report for Second Quarter, FY05 (ER2005-0238)



Cy:(w/enc)

A. Dorries, ENV-ECR, MS M992

E. Rainey, ENV-ECR, MS M992

D. Gregory, LASO, MS A316

L. King, EPA Region 6

Becky Coel-Roback, ENV-ECR

RPF, MS M707

S-7, MS F674

ENV-ERS File, MS M992

Cy:(w/o enclosure)

D. McInroy, ENV-ERS, MS M992

B. Rich, ADO, MS A104

C. Voorhees, NMED-OB

DP Canyon Quarterly Inspection Report for Second 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: March 30, 2005

Time: 2:30 p.m.

Personnel: Becky Coel-Roback and Jared Lyman

Weather: 36 °F, intermittent snow, partly cloudy

Precipitation: 5.87 in., approximate total since the December inspection (Source: Los Alamos National Laboratory Weather Machine, TA-53 station).

Presence of standing or running water: At the time of the March inspection, there was a moderate amount of running water coming from both culverts at the head of DP Canyon. There was standing water at both the upstream and downstream seep areas. There was minor snow pack in the drainage.

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 until sediments were disturbed	Petroleum hydrocarbon odor and sheen in disturbed sediments
Downstream Location	No petroleum hydrocarbon odor in air	No petroleum hydrocarbon sheen on standing water	Faint petroleum hydrocarbon odor in disturbed sediments

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



Location 1. Moderate flow from both culverts at the head of DP Canyon during the March 2005 inspection



Location 2. Standing water at the upstream location during the March 2005 inspection



Location 3. Cut bank at the upstream location during the March 2005 inspection



Location 4. Stream channel, looking downstream from sample location 21-11136



Location 5. Standing water in the drainage at the upstream location during the March 2005 inspection



Location 6. Cut bank where faint petroleum hydrocarbon odors were noted in disturbed sediments at the down stream location during the March 2005 inspection



Location 7. Stream channel, looking downstream from sample location 21-11176

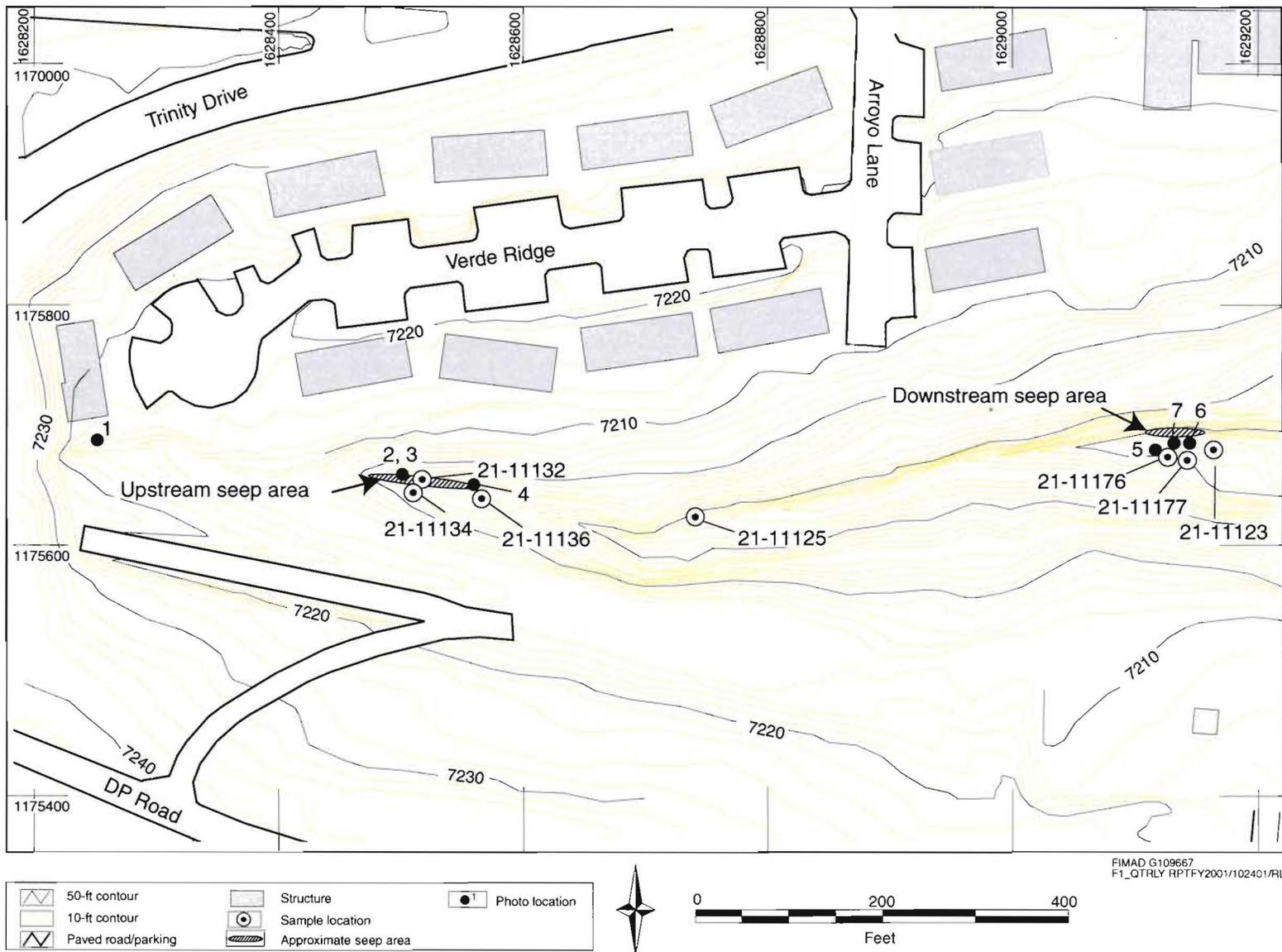


Figure 1. DP Tank Farm photo locations, seep areas, and sampling locations