

Michael  
1st-M-Koch  
22006  
12/3/94

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DAILY ACTIVITY LOG



ENTERED

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DATE: 08 December, 1994

Technical Area: 35 Operable Unit: 1129

Site Work Plan: Aggregates \_A, B, C, R \_\_ SWMU Nos. 4-001, 4-002, 5-001, 5-004

Signature:   
Name: Richard J. Koch Title: Geologist

SUBJECT: Engineering Survey of Firing Pits, TA-4 and TA-5

Personnel: Richard Koch, Rick Hutton, Allyn Pratt, Gabriela Gainer, in the company of Mary Perkins and Bruce Swanton, NMED

Time: 10:00 am to 11:30 am

**Work Description:**

Mr. Bruce Swanton and Ms. Mary Perkins of NMED, AIP, accompanied OU 1129 personnel to the firing site SWMUs at TA-4 and TA-5. The purpose of the field excursion was to show the NMED personnel the present day condition of the firing sites. Ms. Perkins is the NMED AIP person appointed in charge of firing sites.

**SWMU No. 4-001, 4-002**

The TA-4 Firing site location area was previously determined from engineering drawings. A known point on the ground was established at control monument C0501, which is located at the turn to Ten Site Canyon from Puye Road. The scaled distance from the known location to the firing site was measured using a measuring wheel, and the location of the firing site was staked. Also located from field reconnaissance was the outfall pipeline, SWMU No. 4-003(b).

The field party investigated the former location of the firing pit and of the canyon disposal site. Mr. Allyn Pratt indicated that the Ponderosa pine trees in the area of between the firing site and the canyon disposal area were probably 40-60 years old. A small pile of possible debris that is covered with grass was located that could represent the canyon disposal area, SWMU No. 4-002.

**SWMU No. 5-001(a), (b), and (c)**

The field party toured the locations of these former firing sites. Field team members Chris Smith and Darril Stafford had previously measured the distance along Puye Road from the turn to Ten Site Canyon to the scaled locations of the former firing sites, using engineering drawings. The measured locations of the firing sites at TA-5 were not as indicated in the OU 1129 Work Plan, so the locations of these firing sites will be re-scaled from drawings and air photos, and the locations resurveyed. Control monuments C0504 and C0503 were located at the site. The firing sites, as located and marked by the field personnel, are further to the west than originally thought. Additional engineering surveys for locating these sites will be performed.

**SWMU No. 5-003, and 5-004**

The Calibration chamber at TA-05 was toured by the field party. The outfall trench from the former septic tank, TA-5-13, SWMU No. 5-004 was located on the mesa edge about 40-50' east of the calibration chamber in an area of scrub oak and PJ. The outfall trench is about 2' wide and



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SIGNATURE: \_\_\_\_\_

Name: Richard Koch Title: Geologist

Work Description, Continuation:

approximately 1' deep. The trench is filled now with plant debris. The trench is cut into bedrock tuff, and flows to the south onto a natural bedrock rill/gully to the canyon.

Beneath the calibration chamber is an area of cuttings from drilling of the calibration chamber hole. Associated with the cuttings about 30' below the calibration chamber is an abundance of a white clay-like material that is exposed at surface and is beneath the surface cuttings material. This material could not be immediately identified, and will be investigated further.