

*Adm/Head*



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

*Graham  
cc -> Ralph  
Harvey*

FEB 13 1996

*Reg. NPDES*

*permit*

Mr. Larry Kirkman, Acting Area Manager  
Department of Energy  
Los Alamos Area office  
Albuquerque Operations Office  
Los Alamos, NM 87544

RE: NPDES Permit No. NM0028355

Dear Mr. Kirkman:

In August 1994, the above referenced permit was issued to the Los Alamos National Lab. It has come to our attention that, for six (6) outfall categories, there are two (2) sets of monitoring requirements for several parameters. These parameters are:

- Category 02A - Copper and Chromium
- Category 03A - Arsenic
- Category 04A - Total Residual Chlorine
- Category 06A - Total Silver
- Outfall 051 - Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Zinc, Radium
- Outfall 128 - Iron, Copper, Silver

To eliminate the need to sample these parameters quarterly and annually, we have determined that sampling quarterly is sufficient for the categories listed above. The annual requirements for all other categories are still in effect.

If you have any questions, please do not hesitate to contact Mr. Everett Spencer (214) 665-8060 or Ms. Diana Gamble (214) 665-7495 of our staff.

Sincerely yours,

James L. Graham, P.E.  
Chief  
TX/NM Water Enforcement Section  
(6EN-WT)

cc: Mr. Steve Rae, Group Leader  
Water Quality and Hydrology Group  
PO Box 1663, Mailstop K-497  
Los Alamos, NM 87545



MEMORANDUM

Glenn  
To  
Jim  
Biatt  
FYI

Ed  
FYI  
Benito

TO: Benito Garcia, HRMB Bureau Chief  
FROM: Teri Davis, RCRA Technical Compliance Program  
THROUGH: <sup>PAK</sup>Ronald A. Kern, Technical Compliance Program Manager

cc →  
Harvey  
Ralph

DATE: January 8, 1996

SUBJECT: Solid Waste Management Units at Los Alamos National Laboratory TA-16 potentially impacting Canon De Valle drainage upstream of Material Disposal Area-P.

The following is a listing of Solid Waste Management Units (SMWU) at Los Alamos National Laboratory (LANL) TA-16 which may potentially impact Canon De Valle drainage upstream of Material Disposal Area (MDA) -P. Attachment A is an area map of TA-16 which shows the locations of significant SWMUs relative to MDA-P and Canon de Valle. The following summary is provided to facilitate considerations of combining all cleanup activities which may impact Canon De Valle under the proposed Closure Plan for MDA-P. Activities slated under the Environmental Restoration (ER) program for each of these SWMUs, the speculated disposition of that unit, and Potential Contaminants of Concern (PCOC) associated with each unit are summarized below:

**Photoprocessing facility - active outfall (16-020)**

A Phase I RCRA Facility Investigation (RFI) has been completed. An Expedited Cleanup (EC) plan is due to EPA on February 29, 1996. The PCOC include: silver thiosulfate, sodium thiosulfate, sulfuric acid, boric acid, and cyanide.

**MDA-R (16-019)**

No Phase 1 RFI work has been conducted. This unit ranked low in the site-wide ranking, therefore, no work is scheduled for this fiscal year. PCOC include: high explosives (HE), Ba, U, SVOC, fuel oil, other metals, and asbestos. This site will probably go to the Corrective Measures Study (CMS) stage of the Corrective Action (CA) process due to the site complexities (expanse of the site, varied PCOC, treatment considerations, possible in-situ remedial alternatives, etc.). Potential cleanup of this site will require a RCRA permitted burn pad and possibly long-term ground-water detection monitoring.

**Benito Garcia**  
**January 8, 1996**  
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**HE Machinery- (active outfall & pond area (16-021(c)) and HE Sumps (16-003 (a-j)))**

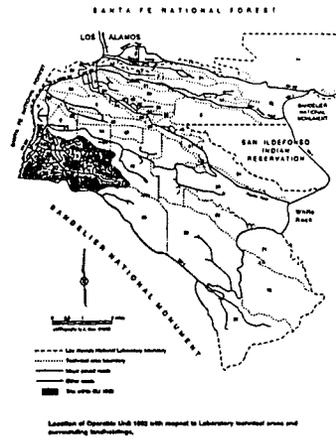
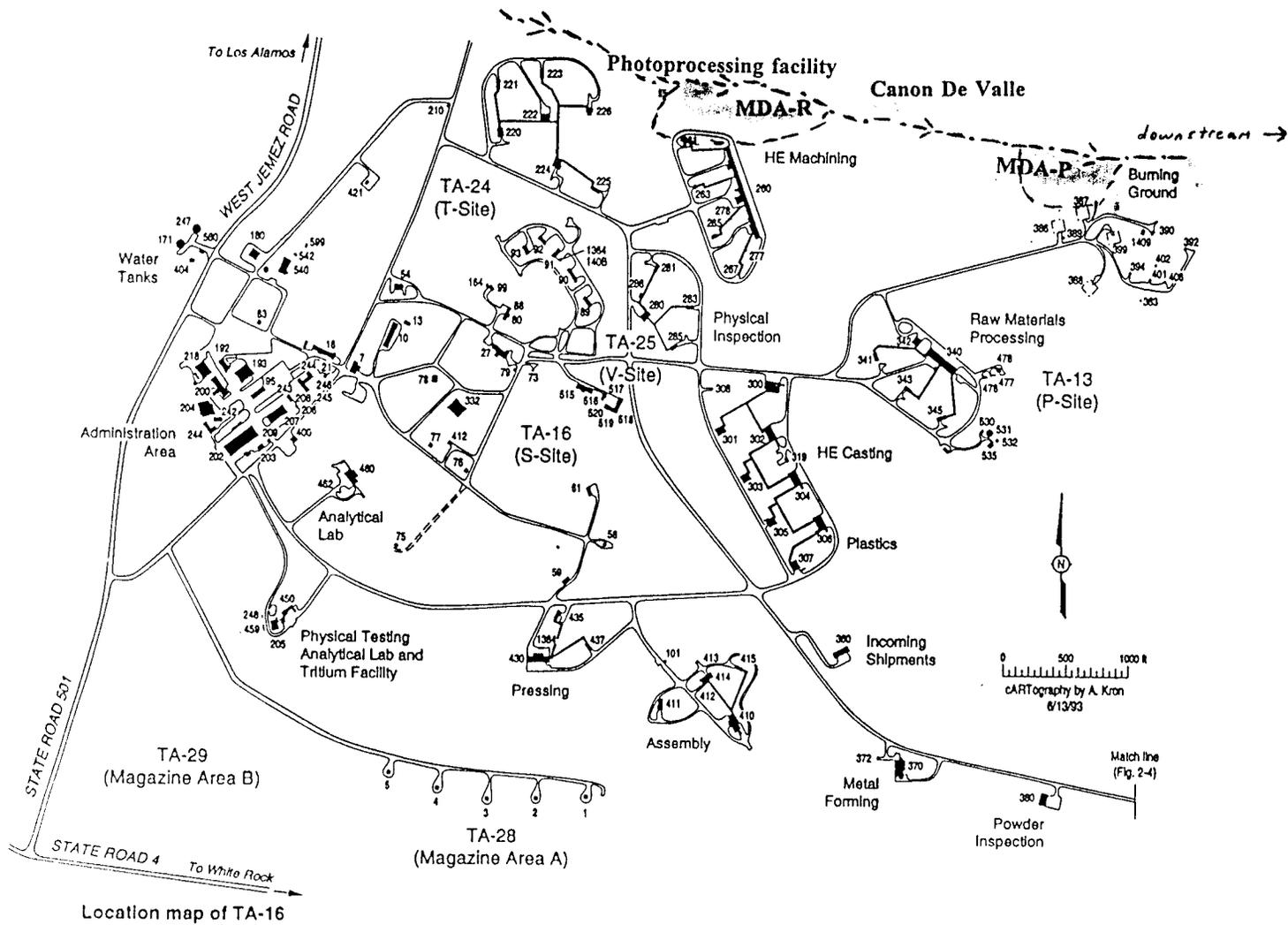
Phase 1 RFI work has been conducted and interim measures (e.g. hay bales and silt dams) are currently being employed. Best Management Practices (BMP) are currently controlling the migration of contamination within Canon De Valle from this unit. The PCOC include: Ba, HE, U, VOC, SVOC, and other metals. These units are recommended for a CMS. The RFI Report is due to EPA in September 1996. Potential cleanup of this site will require a RCRA permitted burn pad.

**Burning Ground SWMUs**

NMED has received a RCRA permit application to operate a burn/flash pad which will treat remediation wastes from MDA-P as well as other units at TA-16. NMED has suggested that LANL close all SWMUs associated with the Burning Ground SWMU aggregate at the same time as MDA-P closure. PCOC are similar for all units within this aggregate: Ba, HE, U, other metals, VOCs and SVOC.

cc: Barbara Hoditschek, RCRA Permitting Program Manager  
Robert Dinwiddie, RCRA Permitting Program  
LANL FILE RED 96

Attachment A



Location map of TA-16

### ATTACHMENT A