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MEMORANDUM

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

~~CONFIDENTIAL~~ 1/9/96

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.



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HE Machinery- (active outfall & pond area (16-021(c)) and HE Sumps (16-003 (a-j)))

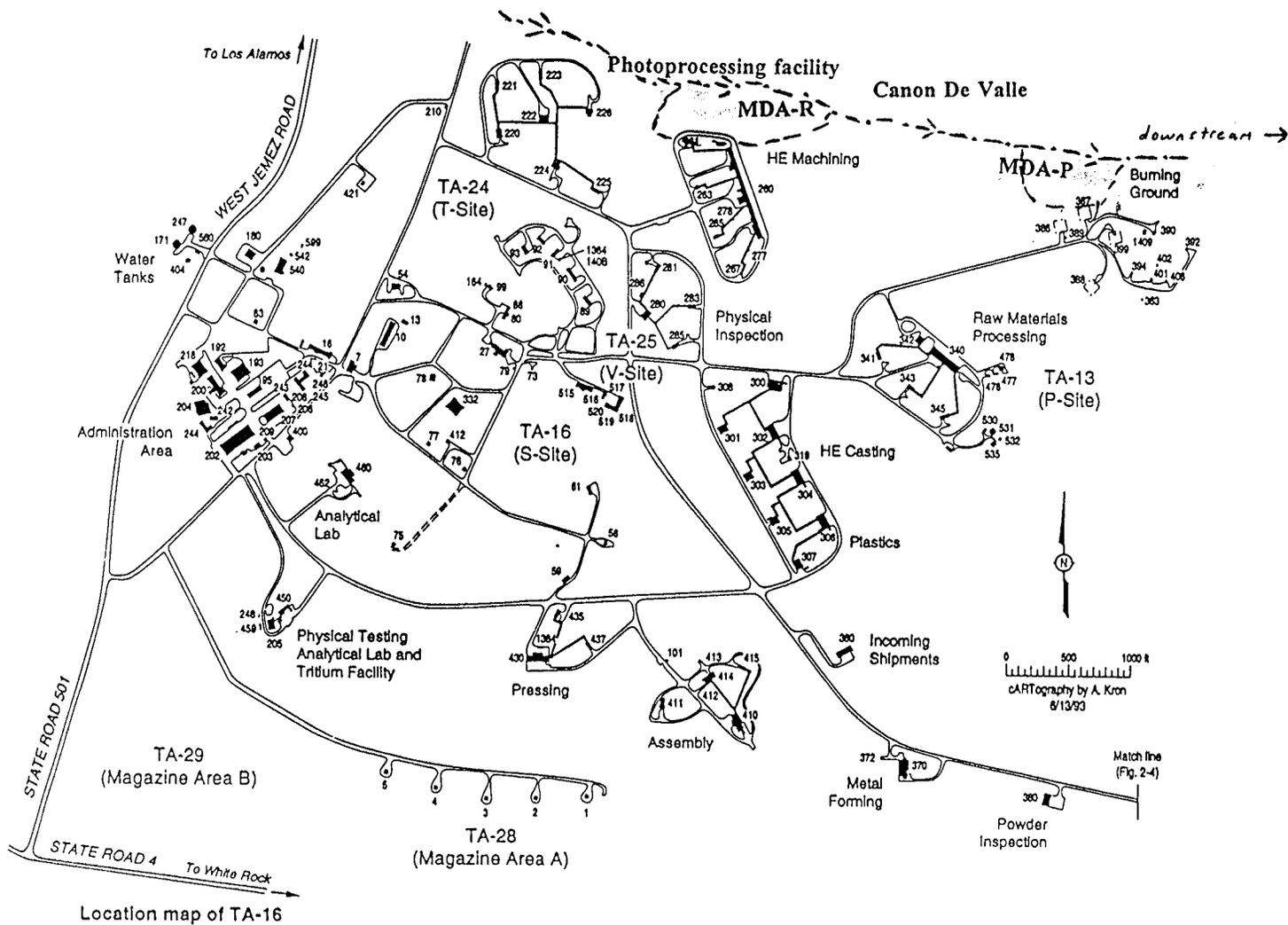
Phase 1 RFI work has been conducted and interim measures (e.g. hay bales and silt dams) are currently being employed. Best Management Practices (BMP) are currently controlling the migration of contamination within Canon De Valle from this unit. The PCOC include: Ba, HE, U, VOC, SVOC, and other metals. 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

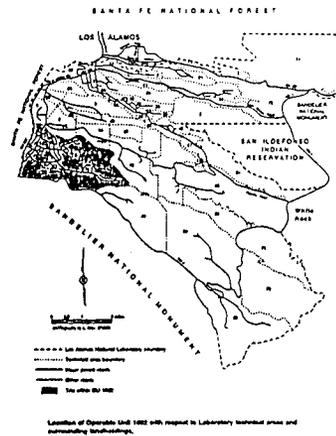
NMED has received a RCRA permit application to operate a burn/flash pad which will treat remediation wastes from MDA-P as well as other units at TA-16. NMED has suggested that LANL close all SWMUs associated with the Burning Ground SWMU aggregate at the same time as MDA-P closure. PCOC are similar for 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
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Attachment A



Location map of TA-16



ATTACHMENT A