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October 23, 1995

Ivan Trujillo DOE/AIP/POC
Dept. of Energy
Los Alamos Area Office
MS: A316
Los Alamos, NM 87545

Re: Storm Water Pollution Prevention Best Management Practices (BMPs) at TA-33, Solid Waste Management Units (SWMUs) 33-007(b), 33-010(c), and 33-008(a).

Dear Mr. Trujillo:

On October 20, 1995, New Mexico Environment Department (NMED), Department of Energy Oversight Bureau (DOE OB) personnel visited several TA-33 SWMUs in conjunction with Los Alamos National Laboratory (LANL) Environmental Restoration (ER) staff. The purpose of this visit was to discuss storm water BMPs associated with various SWMUs. Several sites were visited and the DOE OB recommend that the following BMPs be put in place:

- * SWMU 33-007(b) This site has yellow cake exposed on the surface of the ground and buried in the bunker. The bunker has very little vegetative cover and appears to be actively eroding.
 - (1) Sand bags should be placed to divert surface runoff from the bunker area into the ditch below the bunker.
 - (2) The ditch below the bunker has a culvert that runs beneath the road. This culvert should be plugged or a silt fence should be installed on the upstream side.
 - (3) Polymer should be applied to the surface of the bunker to stabilize the exposed ground.

- * SWMU 33-010(c) is a site where refuse from past detonations was placed into a watercourse which drains directly into Chaquehui canyon. The base of the refuse pile is in the stream course and subject to mobilization and transport during storm runoff events.
 - (1) A silt fence should be placed at the base of the refuse pile and reinforced with sand bags to prevent washout from the active storm drainage channel.



4724

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Ivan Trujillo
page 2

- (2) Polymer should be applied to the surface of the waste pile to stabilize the exposed ground.
- * SWMU 33-008(a) is a burial site for debris from a variety of sources. In the channel which drains this SWMU there is exposed yellow cake in the arroyo bottom and the contamination extends several hundred feet down the arroyo.
- (1) At least one silt fence should be installed in this arroyo at the furthest extent of detectable contamination. This would reduce further contamination of the arroyo and reduce ultimate clean-up costs.

DOE OB personnel feel that the implementation of these BMPs would significantly reduce contaminant migration due to storm water runoff into Chaquehui canyon.

If you have any questions regarding this matter do not hesitate to call Ralph Ford-Schmid at 827-1536.

Sincerely,



Steve Yanicak
NMED/DOE OB/POC

SY: rfs

CC:

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