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TA 16
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State of New Mexico
ENVIRONMENT DEPARTMENT
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October 11, 1995

Ivan Trujillo
Department of Energy
Los Alamos Area Office
MS-A316
Los Alamos, NM 87545

Re: Storm Water Pollution Prevention Best Management Practices
(BMPs) at the TA-16 05A056 H.E. outfall SWMU 16-021(c)

Dear Mr. Trujillo:

On Friday September, 29th NMED DOE OB staff visited the TA-16 021(c) High Explosives SWMU in conjunction with LANL ER staff in order to discuss Storm Water Pollution Prevention BMPs associated with this site. At present, the date of remediation for this site is expected to be sometime in 1997. Because of this delay in remediation it is the concern of the NMED DOE OB that contaminants from this site will be transported down the arroyo into Canon de Valle unless Storm Water BMPs are implemented. The following recommendations were expressed to ER staff at this site visit:

- * Existing BMP measures currently in place (sand bags and diversions) used to reduce the flow of water over the most contaminated portion of the SWMU should be maintained.
- * In addition to existing BMPs the following recommended BMPs should be considered:
 - 1) A series of check dams constructed of hay bales and silt fencing should be erected along intervals down canyon beginning at the earthen dam below the most highly contaminated area and continuing down the arroyo to near the junction with Canon de Valle. It is recommended that at least four such check dams be installed.
 - 2) In addition to the check dams it is recommended that a "Jute" matting also be installed over the exposed soil in the arroyo between each of the check dams. This matting would minimize mobilization of contaminated soil particles from the impact of rain drops and help trap sediment.
 - 3) Storm Water runoff from the upgradient parking lot should be diverted to prevent entry onto the SWMU site.



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DOE OB staff feel that the implementation of these BMPs would significantly reduce contaminant migration due to Storm Water runoff into Canon de Valle.

If you have any further questions please do not hesitate to call Harvey Decker at 672-0459 to discuss this matter.

Sincerely,



Steve Yanicak
NMED/DOE/OB/POC

cc: Steve Rae, Group Leader, ES&H-18, MS-K497
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