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State of New Mexico
ENVIRONMENT DEPARTMENT
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SECRETARY

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July 15, 1992

Mr. Roger Wilkson
49th CES/CED
Holloman Air Force Base
88330-5000

Subject: EMERGENCY PERMIT TREATMENT SPILL FOR JP-4 F-117A
MAINTENANCE DOCKS/HANGER PROJECT

Dear Mr. Wilkson:

This Emergency Permit is being issued to allow Holloman Air Force Base (HAFB) to treat soils that were contaminated with JP-4 as a result of the testing and flushing of the new fuel system for the F-117A Maintenance Docks/Hangars Project. This permit is being issued in accordance with HWMR Section 270.61, Emergency Permits. The terms and conditions of this Emergency Permit are as follows:

1. This Emergency Permit shall not exceed 90 days beginning July 10, 1992.
2. This Emergency Permit shall cover the treatment of a JP-4 spill located at an area known as F-117A Maintenance Docks/Hangar Project.
3. The following is the action plan for the evaluation, removal, remediation and treatment of JP-4 contaminated materials.

A. Preparation of Remediation Area:

1. A lined area for the soils aeration will be located at the Corps of Engineers designated site. The area will be bermed, and the liner will extend over it.
2. A layer of sand will be placed directly on the liner in sufficient thickness to prevent damage to the liner from machinery during the disking process.
3. The approximate area of the dike will be 300 feet x 40 feet x 2 feet deep. This area may vary based on the constraints of the site and

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the volume of material excavated.

B. Sampling, Analysis and Reporting:

1. Prior to excavation of the designated area, the delineation of the horizontal and vertical extent of the hazardous constituents must be determined. The most effective method for this delineation is through a soil gas evaluation. This evaluation must be performed by a trained and experienced professional who is independent of Holloman Air Force Base. The sampling and analysis plan should include the following:
 - a. a specific proposal for a soil gas study;
 - b. a plan view map of the site with soil gas sampling points clearly indicated;
 - c. a clear and specific narrative description of how the gas samples will be taken;
 - d. a statement of qualifications of the professional performing the study; and
 - e. provisions that a photoionization detector employing a 11.7 eV lamp will be used in the soil gas survey.
2. The professional performing the soil gas study shall produce a report for HRMB detailing the outcome of the study with his or her signature on the documentation to the effect that all information contained is true and correct.

C. Removal and Transport of Contaminated Soils:

1. Both front end loaders and rubber tire backhoes will be used for the excavation activities.
2. Transport will be performed using tandem dump trucks with lining material sufficient to prevent any material from escaping while in route to the treatment area.
3. The surface area between the dump trucks and the contaminated soil will be lined to prevent further contamination during the loading and unloading process. If not, the surface area will be scraped, the uppermost soil removed, and the underlying soils tested with a

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photoionization detector. If any contaminated soils remain, they must be removed in successive lifts until no organic vapors are detected.

4. All efforts must be taken to avoid contamination of the surrounding area by transportation and excavation equipment and practices.
5. All decontamination waste must be disposed of in accordance with applicable regulations.

D. Remediation and Treatment:

1. Contaminated soils shall be placed in 6 inch to 10 inch lifts and disked as necessary to provide an expeditious aeration process.
2. All contaminated soil will be areated by the method described in this section until no organic vapors are detected by the 11.7 eV lamp photoionization detector.
3. A sampling and analysis plan to evaluate the effectiveness of the treatment shall be prepared following the general guidelines stated above in Section B, Sampling and Analysis.
4. The professional evaluating the soil treatment must produce a report with sample data for HRMB detailing the outcome of the remediation process with his or her signature on the documentation to the effect that all information contained is true and correct.

E. Certification

1. Within 30 days of completion of the treatment and remediation activities associated with this spill, HAFB must submit to the Hazardous and Radioactive Materials Bureau a certification that the activities to remediate this spill have been conducted in accordance with the requirements of this Emergency Permit and any other applicable requirements of the New Mexico Hazardous Waste Management Regulations. The certification must be signed to the effect that

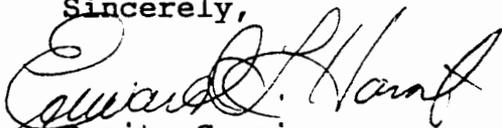
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all information contained in it is true and correct by the owner/operator of the facility. All supporting documentation must accompany the certification.

2. HRMB reserves the right to require further investigation/remediation if upon review of the certification documentation it is found that contamination may still be present at the spill site, the remediation site, or any other site associated with this clean-up operation.

If you have questions regarding this permit or require further assistance, please call Edward Horst at (505) 827-4308 or 827-4313.

Sincerely,



for - Benito Garcia
Chief, Hazardous and
Radioactive Materials Bureau

xc: Thomas Manning
Air Force Center for Environmental Excellence