



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS 49TH FIGHTER WING (ACC)
HOLLOMAN AIR FORCE BASE, NEW MEXICO

MEMORANDUM FOR NEW MEXICO ENVIRONMENT DEPARTMENT

Attn: Mr. Cornelius Amindyas
Hazardous and Radioactive Materials Bureau
P.O. Box 26110
Santa Fe NM 87502

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1999
RECEIVED

FROM: 49 CES/CEVC
550 Tabosa Avenue
Holloman AFB NM 88330-8458

SUBJECT: 1. Submittal of First and Second Quarter 1999 Monitoring Reports, 20,000 Pound Open Detonation Unit (ODU) and Quality Assurance/Quality Control Results;
2. Non-Compliance Report Related to Selection of Sampling Grid for First Quarter 1999 Event
Permit Number NM6572124422

1. Attached are the 20,000 pound ODU *First Quarter 1999 Monitoring Report*, the *Second Quarter 1999 Monitoring Report*, the *First Quarter 1999 Monitoring Report Quality Assurance/Quality Control Results*, and the *Second Quarter 1999 Monitoring Report Quality Assurance/Quality Control Results* (Atchs 1, 2, 3 and 4, respectively). This letter also constitutes a non-compliance report for selecting an incorrect sampling grid for the First Quarter sampling event which was rectified during the Second Quarter sampling event.
2. A discrepancy in wind direction data provided to our sampling contractor between sampling events for the last quarter 1998 and first quarter 1999 resulted in selection of the wrong sampling grid, 115-205 degrees, instead of 315-55 degrees. This problem was rectified during the second quarter sampling event which encompassed both the area that should have been sampled during the first quarter event and the area required for the second quarter event (295-65 degrees). Although the analytical data for the first quarter 1999 event may not be representative of the most conservative estimate of residual concentrations in soil at the ODU, the analytical data from the second quarter 1999 sampling event are sufficient to ensure that the ODU operated effectively from 9 Dec 98 through 7 Apr 99. To prevent this problem from recurring, the contractor is coordinating directly with the Holloman AFB Weather Station to obtain accurate wind data.
3. The quarterly monitoring reports contain the results of soil sampling following the detonation events of 14 Jan 99 and 7 Apr 99. These results were then compared to background levels and site specific risk-based screening levels. Results from these analyses show that the ODU is effectively treating material and residual soil contaminants are below risk-based action levels.

The soil sampling for the quarterly monitoring reports occurred on 15 Jan 99 and 8 Apr 99, each within 72-hours of the respective detonation events.

4. If you have any questions or require additional information, please contact Ms. Debbie Hartell or Mr. Darvin St. John at (505) 475-3931.


HOWARD E. MOFFITT
Deputy Base Civil Engineer

Attachments:

1. First Quarter 1999 Monitoring Report 20,000-Pound Open Detonation Unit
2. First Quarter 1999 Monitoring Report Quality Assurance/Quality Control Results
3. Second Quarter 1999 Monitoring Report 20,000-Pound Open Detonation Unit
4. Second Quarter 1999 Monitoring Report Quality Assurance/Quality Control Results