DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 49TH WING (ACC)
HOLLOMAN AIR FORCE BASE, NEW MEXICO

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MAR 2 1 2012

A. David Budak
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550 Tabosa Avenue
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New Mexico Environment Department
Attn: Mr. John Kieling
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe NM 87105-6303

Dear New Mexico Environment Department

Holloman AFB would like to submit the beow text as an addendum to the Approved Final Accelerated Corrective Measures Work Plan Addendum for SS-39 Missile Fuel Spill Area (SWMUs 165, 177, 179, and 181), Holloman Air Force Base, Alamogordo, New Mexico, December 2011.

Holloman Air Force Base has noted that well MW39-02 at site SS-39 is in proximity to the planned soil/sump excavation located to the southwest of building 1176 (the sumps and drainage troughs leading to the sumps are SWMUs 177 and 181, respectively). During the planned excavation, it is possible that the well locations may be too close to avaid well damage; this will be determined once the top of the concrete sump is exposed (currently not visible) and the limits of the excavation can be determined with respect to the well location. To prevent unnecessary delay to the excavation operations, we are requesting approval that the well can be properly abandoned, if necessary.

The abandonment plan will follow New Mexico Groundwater Quality Bureau requirements, and consists of the following steps:

1. The well is constructed of 2-inch diameter PVC screen and casing set to a total depth of about 26 ft below grade. It has an approximate 3-feet of stick up with a steel protective casing and bollard posts. Depth to groundwater ranges from about 10 to 16 feet below grade.

2. Because of the well depth and low strength of the PVC casing, it is unlikely that the well casing can be pulled from the ground. Therefore, abandonment will proceed as follows:
   a. The well condition, total depth, and depth to groundwater will be recorded.
   b. A neat cement grout (approximately 5 to 6 gallons of water per 94 pound bag of Portland cement) will be mixed and will be tremied into the well from the bottom of the well. If necessary, groundwater may be pumped out of the well, containerized, and properly disposed, to aid addition of the grout, or a grout pump may be utilized. Grout will be added from the bottom of the well upward until the grout level is at approximate grade level. Additional grout will be added to ensure that the final grout column is at approximate grade (within 2 feet).
   c. After completion of the grout filling of the casing, the protective casing, concrete surface pad, and protective posts will be removed.
   d. All well casing within 2 feet below grade will be removed, and the surface reclaimed with site-compatible soils.

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3. The well abandonment will be documented in the Site Completion Report that documents the soil remediation activities.

Per the Performance Monitoring Plan in the ACM Work Plan Addendum (Tetra Tech, 2012), well MW39-02, if abandoned, will be replaced by a similar well in the target groundwater zone to support future groundwater monitoring..

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Mr. David Scruggs of our Asset Management Flight at (575) 572-5395.

Sincerely

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A. DAVID BUDAK, GS-14, DAFC

cc:

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