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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

August 28, 2009

Mark Patterson
Ravenna Army Ammunition Plant
Building 1037
8451 State Route 5
Ravenna, OH 44266

Steve Smith
CESWF-PER-DD
819 Taylor Street, Room 3A12
PO Box 17300
Fort Worth, TX 76102-0300

**RE: APPROVAL WITH MODIFICATIONS
RCRA FACILITY INVESTIGATION
WORK PLAN FOR PARCEL 11
FORT WINGATE DEPOT ACTIVITY
EPA ID# NM6213820974
FWDA-07-004**

Dear Messrs. Patterson and Smith:

The New Mexico Environment Department (NMED) received the Department of the Army's (the Permittee) *RCRA Facility Investigation Work Plan for Parcel 11*, dated June 19, 2009 (Work Plan) submitted pursuant to Section VII.H of the Fort Wingate Hazardous Waste Facility Permit and NMED's *Notice of Deficiency* dated December 23, 2008 (NOD). Based on the information presented in the Work Plan, NMED hereby approves the Work Plan with the modifications listed in this letter.

COMMENT 1

In the Comment Response (Appendix A), the Permittee includes NMED's Comments from the NOD as well as responses which include the changes that have been made to the Work Plan. However, the Permittee does not cite the sections that were changed in the response. No revision is necessary; however, for future comment response submittals the Permittee must ensure that the specific sections that are revised are cited in the associated response.

COMMENT 2

The Permittee must ensure that all Areas of Concern (AOCs) and Solid Waste Management Units (SWMUs) are labeled and included on all figures. No revision is necessary however this applies to all future submittals.

COMMENT 3

The Permittee proposes to delay sampling at Buildings 5, 12, 13, & 34 due to potential damage to active utilities. The type of sampling required at these sites may be modified to avoid damage to active utilities; therefore, the Permittee must proceed with the required sampling. In addition the Permittee must understand that postponing any site investigations at Parcel 11 may result in the delay of property transfer.

COMMENT 4

In Section 4.4.1 (Soil Characterization), page 4-6, lines 19-20, the Permittee states "FWDA plans to delay all soil sampling until the building (Building 5) is no longer in use." NMED does not agree with deferring sampling at Building 5 (see Comment 3). The sampling that is required at or within this building will not cause significant damage to the structure and/or utilities. Each of the comments included in the NOD requires that the Permittee collect soil samples from under the drains, sumps, the former truck lift, hydraulic lifts, and grease pit and from the manholes B-5 and B-6 at Building 5. If utilities are a concern the Permittee may avoid sampling at the specific location of the utility, and collect a soil sample from an adjacent location that is representative of the required sample location. If the Permittee is required to drill through concrete floors, the Permittee can do this without causing major damage to the floor and/ or structure of Building 5 and the concrete can be patched. The Permittee must proceed with the required sampling as directed in the NOD and in the Work Plan.

COMMENT 5

In Section 5.4.1 (Soil Characterization), page 5-13, the Permittee states "[a]lthough NMED HWB Comments 15 and 19 directed additional soil sampling in the eastern end of the former building footprint, because it is apparent FWDA will have to remove additional soil where the cleanup levels exceeded, no additional sampling in the east end of the former building footprint is planned until after the additional excavation is performed during the corrective measures implementation." NMED concurs that no further characterization is required at Building 11 (SWMU 6) during this phase of investigation and that further sampling may be deferred until the corrective measures implementation. However, the Permittee must ensure that all the sumps, drains, and service pits are located during the corrective measures study, and that soil samples are collected as stated in Comment 15 of the NOD (from the native soil and analysis must include PCBs, TAL metals, VOCs, SVOCs, GRO, and DRO).

COMMENT 6

In Section 5.4.2 (Ground Water Characterization), page 5-15, the Permittee states “[t]o address NMED review comments regarding AOC 47 and to provide additional information regarding possible releases from SWMU 6/AOC 47 and other SWMUs/AOCs in the Administration Area, the Army will install a ground water monitoring well at the west end of SWMU 6. The general location for the proposed monitoring well is shown in Figure 5-5.” Based on Figure 5-5 it appears that the proposed well may be too close to the potential source of contamination and as a result may not effectively capture the migration of contamination. In order to determine if contamination is moving downgradient from the source, the Permittee must install the well to northwest of the proposed location (refer to the attached Figure 5-2). No revision to the Work Plan is necessary; however, a figure that shows the location of the installed well and the text that reflects this change must be included in the Parcel 11 RFI Report.

COMMENT 7

In Section 6.4 (Scope of Activities), page 6-6, lines 22-27, the Permittee states that “[a]s noted the STP is currently in use. Although NMED HWB comments direct additional soil sampling efforts to characterize potential releases from SWMU 10, FWDA plans to delay all soil sampling until the STP and utilities are no longer in use. This delay will prevent damages to operational facilities, and allows resources to remain focused on the overall environmental restoration program at FWDA.” NMED concurs that soil sampling at the STP be delayed until the SWMU is no longer in use. However the Permittee must understand that delaying characterization at this SWMU will likely delay the transfer of Parcel 11.

COMMENT 8

In Section 6.4 (Scope of Activities) the Permittee states “[t]o address NMED HWB Comment 30 (Appendix A), in addition to the proposed 21 MI sampling [sampling units] around the incinerator described above, soil samples will be collected at two locations from native soil near the incinerator (Structure 21) (see 23 Figure 6-3). As directed, the sample on the downgradient (north) side of the incinerator will be collected from the water table and the second sample at a depth interval of 0 to 6 inches (two samples total).” In NMED’s NOD the Permittee was required to remove the burn ash residue and collect one discrete soil sample from the underlying soil and from a 0 to 6 inch depth. Based on the comment above, the Permittee does not propose this in the Work Plan. The Permittee must ensure that the burn ash residue is removed and that soil samples are collected from the underlying native soils.

COMMENT 9

In Section 7.4 (Scope of Activities) for SWMU 23 (Building 8 & 7, Paint Shop or Carpenter Shop and Paint Storage Warehouse), page 7-5, lines 42 and page 7-6, lines 1-2, the Permittee states “[a]s directed by NMED HWB (Appendix A, Comment 35), the soil samples will be collected from approximately 1 foot below the surface of each pit (two samples total).” This comment does not correlate with the requirements specified in NMED’s Comment 35 of the

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NOD. As specified in Comment 35, the Permittee must collect one discrete soil sample from the native soil from one foot beneath the "base" of the pits, not the "surface" of the pits. The Permittee must ensure that samples are collected from the required locations as stated in Comment 35 of the NOD.

COMMENT 10

In the Comment Response for Comment 38, the Permittee states, "As shown in the revised Figure 8-2, one of the sample locations added to address Comment 38 will be located in the area identified as a probable stain. Because the marked up Figure 8-2 NMED HWB provided as part of Comment 38 listed the sampling depths within the probable stained area as 0 to 4 inches and 2 to 2.5 feet bgs, those are the depth intervals specified in the revised Work Plan." Although one of the sample locations shown in Figure 8-2 is located at the location of the stained area, the Permittee must proceed with an additional discrete sample as required by NMED in Comment 38. In order to characterize the extent of the probable stain, the additional soil sample location must be collected from a different location but within the stained area.

COMMENT 11

In Section 10.4.1.2 (Proposed Investigations at Buildings 12 and 13), page 10-14, the Permittee states "[a]s described above, Building 12 and 13 are currently in use by USDA for food storage. FWDA plans to delay the sampling described below until the buildings are no longer in use by USDA." The sampling required at Buildings 12 and 13 does not involve sampling within the buildings and will not impact the USDA food storage. The Permittee must therefore proceed with the required sampling as stated in both the Work Plan and the NOD.

COMMENT 12

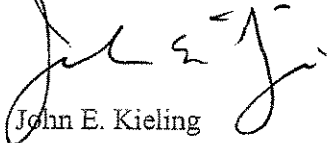
In Section 13.4 (Scope of Activities), pages 13-3 and 13-4, lines 33-2, the Permittee states that "[a]s noted above Building 34 is currently in use by FWDA Caretakers. Although NMED HWB comments direct additional soil sampling efforts to characterize potential releases from AOC 48, FWDA plans to delay all sampling until the building and utilities are no longer in use. This delay will prevent damage to operational facilities, and allows resources to remain focused on the overall environmental restoration program at FWDA." The sampling that is required is outside of the buildings and the minimal amount of sampling required at this building, will not impact the utilities or work at Building 34. The Permittee must proceed with characterization at this site. If the Permittee cannot collect a soil sample directly from Manhole #A-1, the Permittee may collect a sample from soils adjacent to Manhole #A-1. The Fire Station driveway can be cored to collect the required sample without causing major damage to the pavement and/or utilities and easily repaired.

No revisions to the Work Plan is necessary however the Permittee must ensure that all modifications included in this letter are incorporated into the scope of work and in the RFI report. The Permittee must submit an RFI Report to NMED on or before March 30, 2011.

Messrs. Patterson and Smith
August 28, 2009
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If you have any questions regarding this letter, please contact Tammy Diaz-Martinez at (505) 476-6056.

Sincerely,



John E. Kieling
Program Manager
Permits Management Program
Hazardous Waste Bureau

cc: Tammy Diaz-Martinez, NMED HWB
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File: FWDA 2008 & Reading File
FWDA-07-004

**Figure 5-2
Proposed Soil Sampling Locations
SWMU 6 - Building 11
Fort Wingate Depot Activity
McKinley County, New Mexico**

