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BUTCH TONGATE
Cabinet Secretary
J. C. BORREGO
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

February 28, 2018

Colonel Richard W. Gibbs
Base Commander
377 ABW/CC
2000 Wyoming Blvd SE
Kirtland AFB, NM 87117-5606

Mr. Chris Segura
Chief, Installation Support Section
AFCEC/CZOW
2050 Wyoming Blvd SE, Suite 124
Kirtland AFB, NM 87117-5270

**RE: WORK PLAN FOR DATA GAP MONITORING WELL INSTALLATION
BULK FUELS FACILITY
SOLID WASTE MANAGEMENT UNIT ST-106/SS-111
KIRTLAND AIR FORCE BASE
EPA ID# NM9570024423, HWB-KAFB-13-MISC**

Dear Colonel Gibbs and Mr. Segura:

The New Mexico Environment Department (“NMED”) is in receipt of the Kirtland Air Force Base (“KAFB”) (“Permittee”) *Work Plan for Data Gap Monitoring Well Installation* (“Work Plan”), dated December 20, 2017. The Work Plan proposes activities to be performed at the Bulk Fuels Facility (“BFF”) site, including:

- Installation of six (6) groundwater monitoring wells;
- Incorporation of six (6) existing wells into the groundwater quality monitoring network for quarterly sampling (i.e., groundwater monitoring wells and soil vapor monitoring wells that were previously dry and that now have water in the screens due to the rising water table);
- Incorporation of twelve (12) existing wells into the groundwater quality monitoring network for quarterly gauging depths to groundwater and light non-aqueous phase liquid

KAFB4657



("LNAPL"), including the six (6) wells previously mentioned for incorporation into the groundwater quality monitoring network for quarterly sampling;

- Gauging, sampling, and maintenance of the newly added wells; and
- Reporting of the data collected for the newly added wells, including groundwater elevations, LNAPL thickness, groundwater geochemical data, and well installation details.

Increased water conservation by Water Authority consumers, and use of river water as a source of public water supply has resulted in decreased pumping of Water Authority wells, and an ongoing rise in the groundwater table. Water levels have risen to elevations above the top of well screens in a number of monitoring wells, rendering them unsuitable to monitor groundwater quality in the uppermost aquifer. The objective of the Work Plan is to address data gaps created by the submergence of monitoring well screens. Specifically, the Work Plan proposes to install groundwater monitoring wells that are screened across the current water table elevations. The Work Plan addresses tasks supporting monitoring well installation and baseline water quality sampling and is the procedural guidance document for activities to be executed as part of the Resource Conservation and Recovery Act ("RCRA") corrective action process. The data collected under the Work Plan will be critical to completing the RCRA Facility Investigation Report ("RFI"), which will then support the Corrective Measures Evaluation ("CME").

The Work Plan is hereby approved subject to the following conditions:

1. The Permittee and NMED have agreed to move well KAFB-106240 to a location east of the VA Hospital supply well, as shown on the attached map. Subject to NMED approval, the Permittee shall propose the specific location, based on accessibility for drilling vehicles and equipment.
2. For each day of active drilling, the Permittee shall provide NMED with an email containing a copy of lithologic logs and an update summary of daily and planned activities. A well approval form with the proposed screen intervals for groundwater monitoring well completions must be submitted for NMED approval prior to the start of well construction. NMED understands the importance of no field delays and will return the approved well form within one (1) working day of receipt.
3. NMED may require the installation of additional groundwater monitoring wells if the six wells installed pursuant to this Work Plan do not sufficiently address the data gaps.

If you have any questions regarding this letter, please contact NMED Chief Scientist Dennis McQuillan at (505) 827-2140.

Col. Gibbs and Mr. Segura
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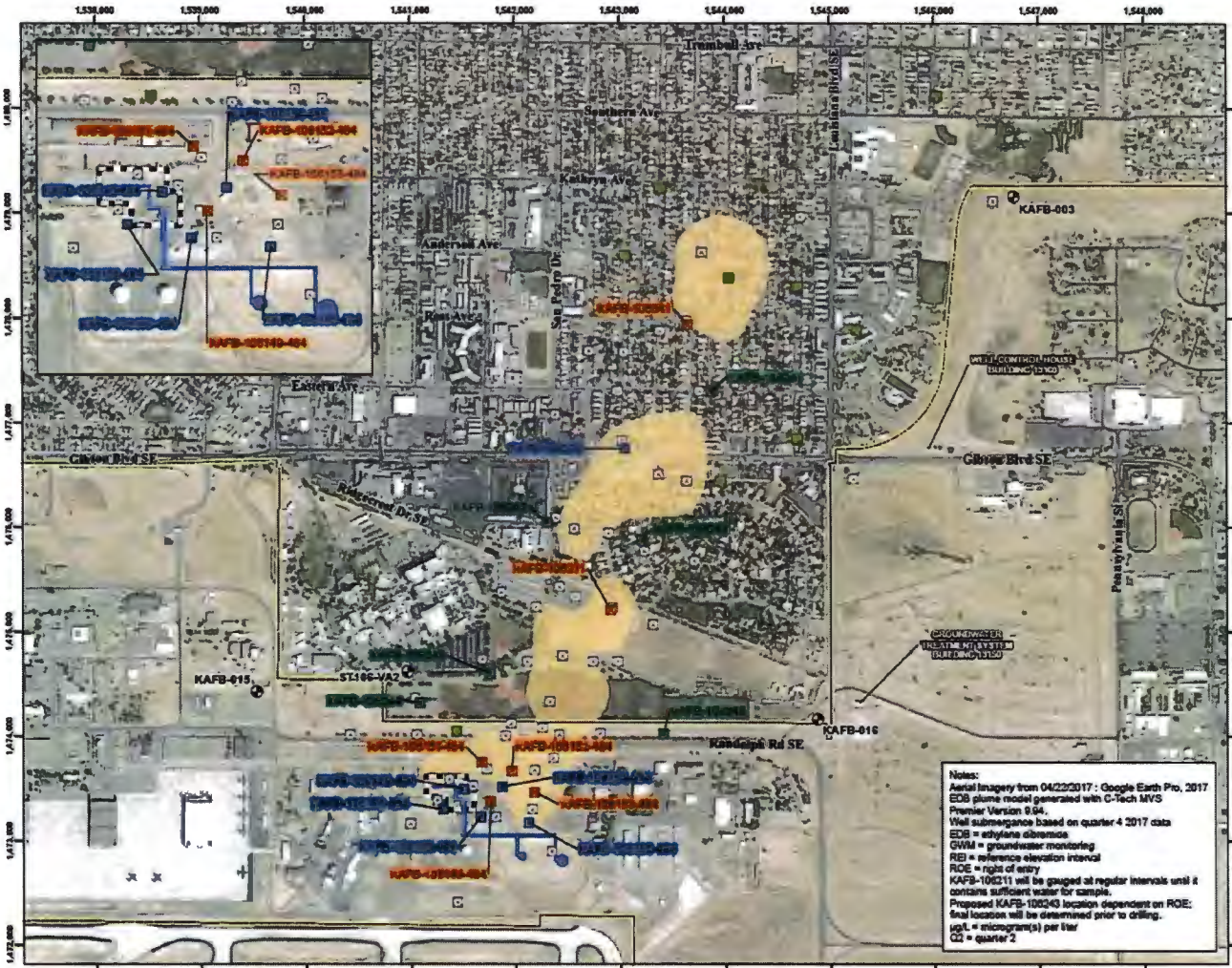
Sincerely,



Juan Carlos Borrego
Deputy Secretary
Environment Department

cc: Col. M. Harner, KAFB
K. Lynnes, KAFB
B. Renaghan, AFCEC
S. Clark, KAFB-AFCEC
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L. King, EPA-Region 6 (6PD-N)
J. Kieling, NMED-HWB
B. Salem, NMED-HWB
S. Pullen, NMED-GWQB
M. Hunter, NMED-GWQB
D. McQuillan, NMED-OOTS

File: KAFB 2018 Bulk Fuels Facility Spill



Notes:
 Aerial Imagery from 04/22/2017; Google Earth Pro, 2017
 EDB plume model generated with C-Tech MVS
 Premier Version 9.94.
 Well submergence based on quarter 4 2017 data
 EDB = ethylene dibromide
 GWM = groundwater monitoring
 REI = reference elevation interval
 ROE = right of estry
 KAFB-100211 will be gauged at regular intervals until it
 contains sufficient water for sample.
 Proposed KAFB-100243 location dependent on ROE;
 final location will be determined prior to drilling.
 µg/L = micrograms per liter
 Q2 = quarter 2

Legend

Monitoring Well Additions

- New Monitoring Well (2018)
- Existing Monitoring Well for Sampling and Gauging
- Existing Monitoring Well for Gauging Only
- Existing 4857 REI Groundwater Monitoring Well (screen not submerged)
- Existing 4857 REI Groundwater Monitoring Well (screen submerged)
- ⊕ Drinking Water Supply Well
- Former Aboveground Storage Tank
- Former Buried Fuel Transfer Line
- Former Aboveground Fuel Transfer Line
- Installation Boundary
- EDB Plume with Concentration > 0.05 µg/L, Q2 2017
- Source Area

SITE LOCATION

Scale:
 0 500 1,000 2,000 Feet
 1 inch = 1,000 feet
 Projection: NAD83 State Plane New Mexico Central FIPS3002 Feet

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FIGURE 3-1

GROUNDWATER MONITORING WELL LOCATIONS FOR REFERENCE ELEVATION INTERVAL 4857