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File: LWB, 4-11-11

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 377TH AIR BASE WING (AFMC)

APR 7 2011

Mr. Thomas F. Berardinelli
377 ABW/DS
2000 Wyoming Blvd SE
Kirtland AFB NM 87117-5000

Mr. James Bearzi
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Dr East, Bldg 1
Santa Fe NM 87505-6303

Mr. Bearzi

Per your 7 March 2011 request, Kirtland AFB is submitting this request to relocate four ground water monitoring (GWM) wells as previously described in your 6 August 2010 letter. In support of this request, I am including justification for each relocation, as well as, aerial photographs showing both the current well site locations and our proposed relocations.

On 18 October 2010, Shaw Environmental Inc. geologists and a representative of the drilling contractor visited each of the well locations described in your 6 August 2010 letter. An inspection at each well site was conducted to ensure that:

- Well locations were on Kirtland Air Force Base (KAFB), City of Albuquerque, or Veterans Affairs (VA) property.
- No apparent hazards (e.g., overhead power lines) were observed.
- The site was accessible for the drilling rig.

Please consider the following justifications for our proposed relocations (aerial photographs are listed as attachments):

- GWM-1 was moved to the north and east of the current well site location due to right-of-entry issues and safety concerns. The required well site is located in a privately-owned parking lot, just north of Gibson. In order to move the well site (less than 100 feet) to a City of Albuquerque right–of-way, the site would be on Gibson, which poses logistical and safety concerns for drilling and sampling the wells. Accordingly, we are requesting that the well site be relocated to an alternate location on the next accessible City of Albuquerque right-of-way, San Pedro Drive SE. This proposed well site maintains a data point along the northern and western edge of the suspected dissolved-phase plume. (attachment–KAFB_029_Wells_GW_WP_GWM-1)

- Well site GWM-2 is currently located on private property. During the site visit, an attempt was made to relocate this well site to City of Albuquerque property due to right-of-entry access issues. No suitable relocation site was identified and the well site must remain on private property. However, GWM-2 must be moved from the original location due to safety

and logistical concerns. The original well site is located in the back parking lot of a privately-owned apartment complex. Drilling at this site would block emergency access to the apartment complex. Kirtland AFB is currently evaluating whether or not GWM-2 can be moved due east to the open parking lot of the Gibson Medical Center. The land owner/tenant has been contacted and a request has been submitted for their review. Until approval is granted, drilling at this site will be delayed. The final relocation site will be presented to the NMED for approval. (attachment 2 – KAFB_041_Wells_GW_WP_GWM-2)

- The GWM-3 well site is located on Gibson Ave. It presents significant safety and logistical concerns for drilling and sampling. We request GWM-3 be relocated approximately 150 ft due south to a City of Albuquerque right-of-way. The relocated well site preserves the data point near the eastern edge of the dissolved-phase plume boundary and is on property that can be accessed. (attachment 3 – KAFB_003_Wells_GW_WP_GWM-3)

- Due to right-of-entry access issues, we request the GWM-22 be relocated due north of the current well site location. The current well site is in a parking lot on private property and the landowner has not granted us a license or right-of-entry to drill a well. The requested relocation still provides a data point in the center of that section of the estimated dissolved-phase plume, similar to the original location, and is located in City of Albuquerque right-of-way. (attachment 4 – KAFB_039_Wells_GW_WP_GWM-22).

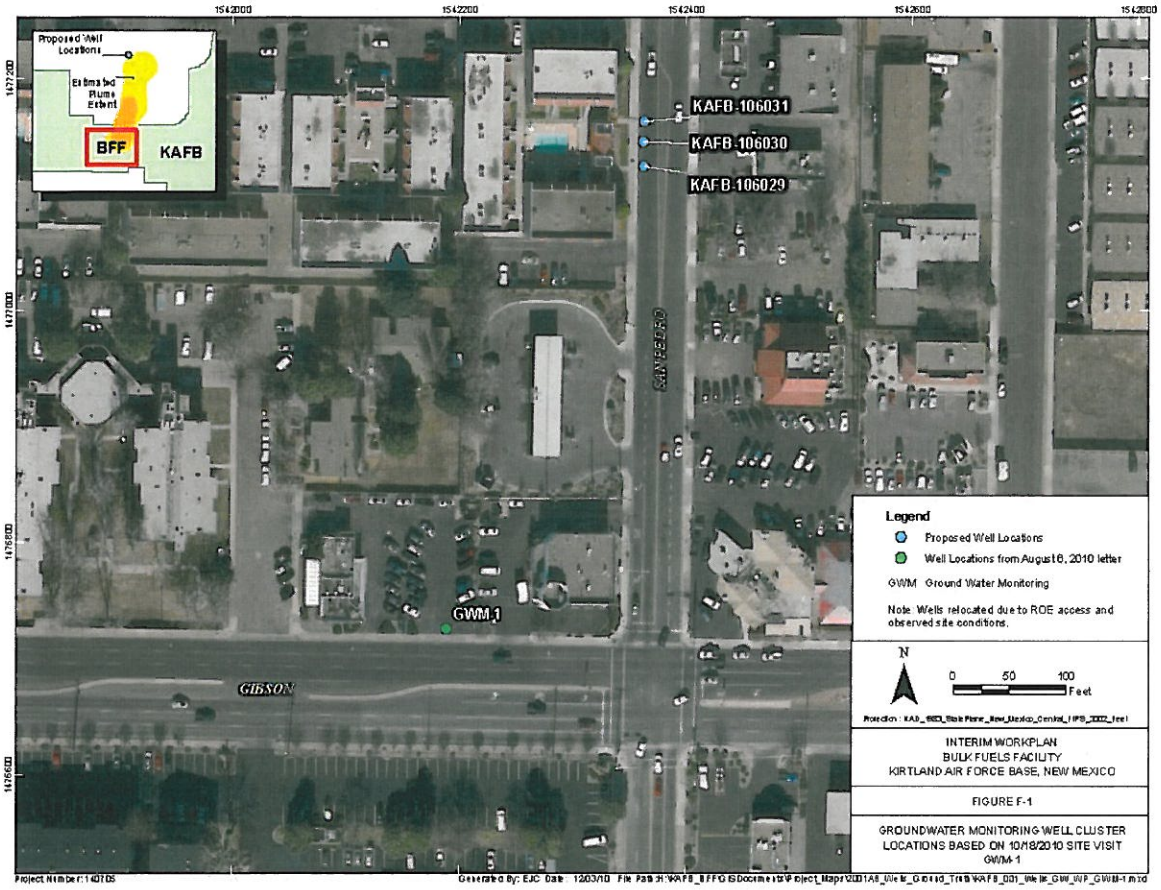
If you have any questions with regard to this submittal, contact Mr. John Pike, (505) 846-8546.

Sincerely

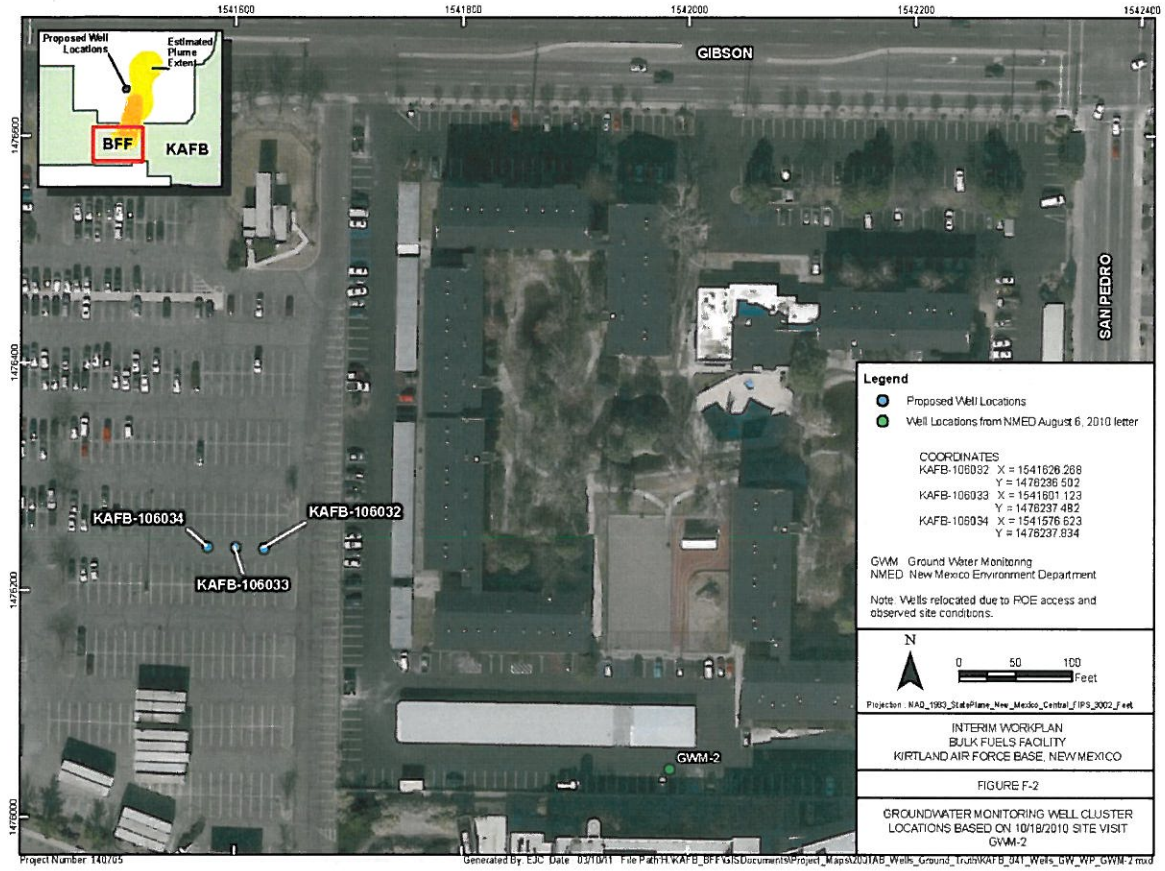
THOMAS F. BERARDINELLI
Director of Staff

Attachments:
1. Attachment 1 – KAFB_029_Wells_GW_WP_GWM-1
2. Attachment 2 – KAFB_041_Wells_GW_WP_GWM-2
3. Attachment 3 – KAFB_003_Wells_GW_WP_GWM-3
4. Attachment 4 – KAFB_039_Wells_GW_WP_GWM-22

cc:
NMED HWB - Mr. Moats, w/ atchs electronic and hardcopy
NMED GWQB - Mr. Olson, w/ atchs electronic and hardcopy
NMED HWB - Mr. McDonald, w/o atchs
NMED HWB – Mr. Brandwein, w/o atchs
USEPA-Region 6 (6PD-N), Ms. King, w/o atchs
AFCEE, Mr. Oyelowo, w/o atchs
USACE, Mr. Midgal, w/o atchs
Admin. Record, CNM, Montoya Campus w/ atch
File

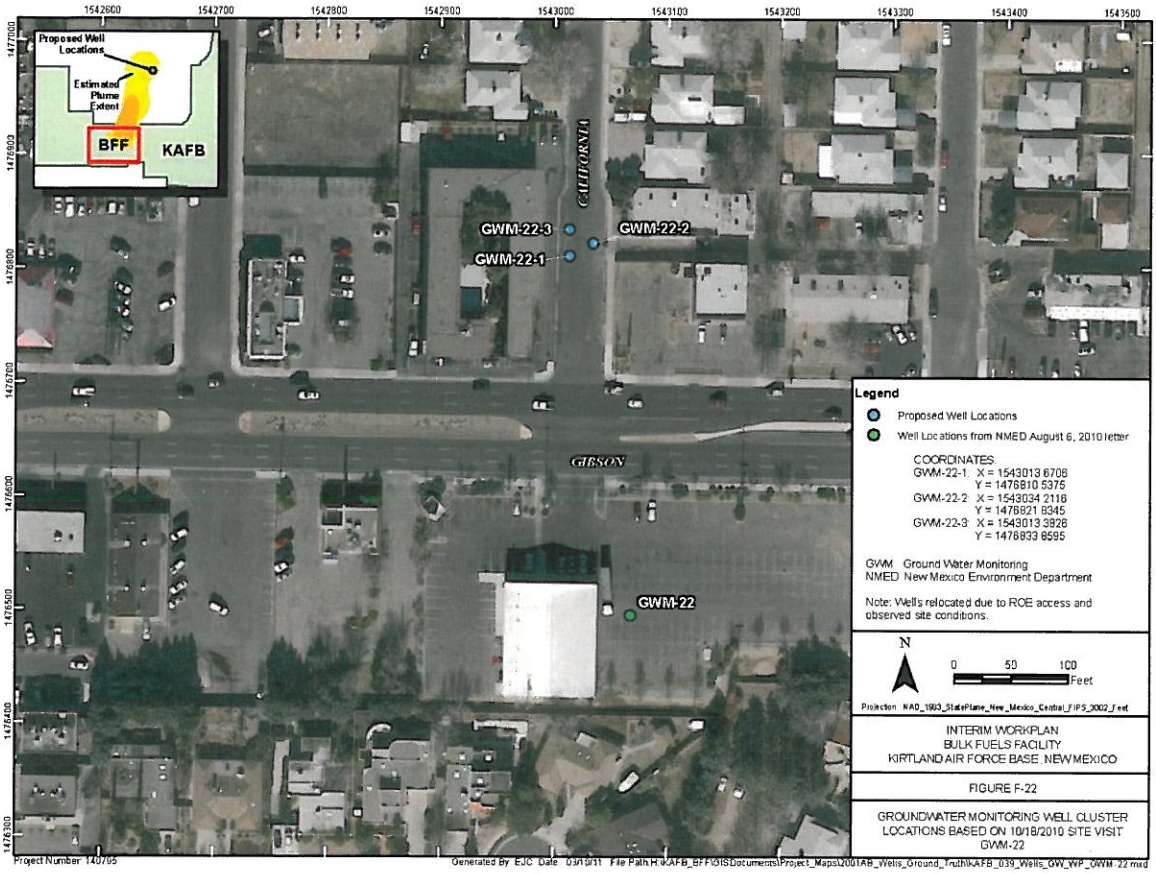

1542000
1542200
1542400
1542600
1542800
1427200
1427000
1426800
1426600
Proposed Well Locations
Estimated Plume Extent
BFF
KAFB
KAFB-106031
KAFB-106030
KAFB-106029
GWM-1
GIBSON
SANDERS RD
Legend
Proposed Well Locations
Well Locations from August 6, 2010 letter
GWM Ground Water Monitoring
Note: Wells relocated due to ROE access and observed site conditions.
N
0 50 100
Feet
INTERIM WORKPLAN
BULK FUELS FACILITY
KIRTLAND AIR FORCE BASE, NEW MEXICO
FIGURE F-1
GROUNDWATER MONITORING WELL CLUSTER LOCATIONS BASED ON 10/18/2010 SITE VISIT
GWM-1
Project Number: 140705

ATTACHMENT 1



ATTACHMENT 2

ATTACHMENT 3



ATTACHMENT 4