



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

ENTERED



Colonel John C. Kubinec
377 ABW/CC
2000 Wyoming Blvd SE
Kirtland AFB NM 87117-5600

APR 29 2013

Mr. John Kieling, Manager
RCRA Permits Management Program
Hazardous Waste Bureau (HWB)
New Mexico Environment Department (NMED)
2905 Rodeo Park Road
Santa Fe New Mexico 87505

Dear Mr. Kieling

Attached please find "*Former Fuel Offloading Rack (FFOR) Step-Out Conflicts, Addendum to Interim Measures Work Plan, Bulk Fuels Facility Spill, March 2011, Bulk Fuels Facility Spill, Solid Waste Management Units ST-106 AND SS-111, April 2013*". The addendum addresses resolution of conflicts between planned FFOR step-out sample locations and existing underground utilities.

Please contact Mr. L. Wayne Bitner at (505) 853-3484 or at ludie.bitner@kirtland.af.mil or Ms. Victoria R. Martinez at (505) 846-6362 or at victoria.martinez@kirtland.af.mil if you have questions.

Sincerely


JOHN C. KUBINEC, Colonel USAF
Commander

Attachment:
FFOR Step-Out Conflicts, Addendum to Interim Measures Work Plan, April 2013

cc:
NMED-RPD (Skibitski), w/out attach
NMED-HWB (Moats, McDonald, Salem, Brandwein), w/ attach
NMED-GWQB (J. Schoepner), w/ attach
NMED-OGC (L. Barnhart), w/out attach
EPA Region 6 (L. King), w/out attach
AFCEE/CMSE (Mr. Oyelowo), w/out attach
Public Info Repository (Central New Mexico), w/ attach
Administrative Record/Information Repository (AR/IR), w/ attach
File, w/ attach

KAFB4002



**40 CFR 270.11
DOCUMENT CERTIFICATION
APRIL 2013**

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 fines and imprisonment for knowing violations.



JOHN C. KUBINEC, Colonel, USAF
Commander, 377th Air Base Wing

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KIRTLAND AIR FORCE BASE
377th Air Base Wing Public Affairs

KIRTLAND AIR FORCE BASE ALBUQUERQUE, NEW MEXICO

**Former Fuel Offloading Rack Step-Out Conflicts
Addendum to Interim Measures Work Plan, Bulk
Fuels Facility Spill, March 2011**

**Bulk Fuels Facility Spill
Solid Waste Management Units ST-106 and SS-111**

April 2013



**377 MSG/CEANR
2050 Wyoming Blvd. SE
Kirtland AFB, New Mexico 87117-5270**



April 18, 2013

To: New Mexico Environmental Department

**Subject: Former Fuel Offloading Rack Step-Out Conflicts
Addendum to Interim Measures Work Plan, Bulk Fuels Facility Spill, March 2011
Solid Waste Management Units ST-106 and SS-111
Kirtland Air Force Base, New Mexico**

This letter is being submitted as an addendum to the Interim Measures Work Plan, prepared by Shaw Environmental & Infrastructure, Inc. (Shaw), a CB&I company, for the U.S. Army Corps of Engineers under Contract W912DY-10-D-0014, Delivery Order 0002. This letter discusses the actions Shaw will take to resolve conflicts between planned Former Fuel Offloading Rack (FFOR) step-out sample locations and existing underground utilities.

The March 2011 Interim Measures Work Plan states that Shaw will perform an investigation of the shallow soil along the former fuel line from the FFOR to the pump house (Building 1033), and from Building 1033 to the site of former above ground fuel storage tanks 2420 and 2422. This investigation is to be carried out in coordination with the removal of the FFOR structures. Following the initial soil investigation, step-out samples are to be collected in order to fully delineate any exceedance zones. Any contaminated areas that are identified up to 20 feet below ground surface (bgs) will be excavated.

Soil Investigation Step-Outs: Problem and Proposed Actions

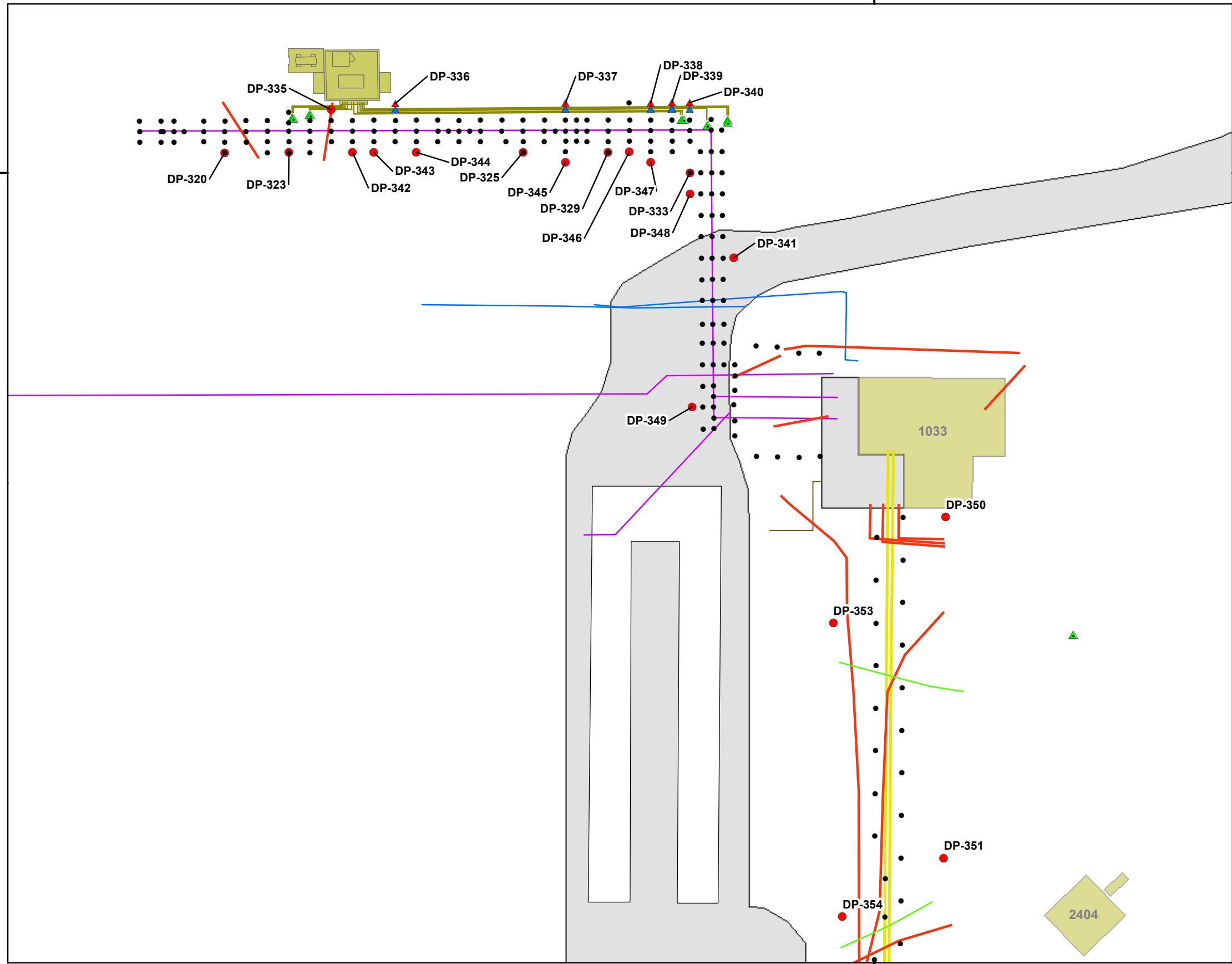
Following the initial soil investigation and step-outs, New Mexico Environment Department revised the Soil Screening Levels. Subsequently, Shaw has identified 28 locations where additional step-out samples are necessary to delineate exceedance zones. In November 2011 a utility locate survey was performed. It established that there are five proposed step-out locations that are in conflict with existing underground utilities (Figure 1). The proposed locations for these step-outs, identified in accordance with Shaw's Interim Measure Work Plan (March 2011), are directly above infrastructure that links soil vapor extraction (SVE) wells to an SVE system. Advancing this borehole would not only shut down, and cause damage to the SVE system at the FFOR, but could potentially release combustible hydrocarbon vapors. Shaw proposes the following steps to collect the step-out without impacting the SVE system:

1. Shaw will move five proposed step-out locations (DP-336, DP-337, DP-338, DP-339, and DP-340) 3 feet to the north (Figure 1).
2. Locations will be hand augered to 5 feet bgs to ensure no utilities are disrupted from drilling activities. In locations where a surface soil sample is required from 0 to 1 foot bgs, the sample will be taken following Shaw's Hand Auger Sampling Standard Operating Procedure. The sample will be augered with a clean auger head from 0 to 1 foot bgs. Once the auger head has been removed from the ground, the depth to the sample bottom will be measured and compared to the desired sampling depth. If the upcoming drill interval is expected to represent the sampling depth, the auger head will be decontaminated prior to drilling the sample interval. Once drilled, if the material represents the desired depth, it will be placed into a sample bowl. The material in the bowl will be homogenized and transferred directly into the sample container(s). The container will be capped, labeled, documented, and placed into a sample cooler. No volatile organic compound samples need to be collected for these step-outs in the first 5 feet.
3. During excavation, Shaw will hand excavate around the SVE conduits, and will develop an excavation plan to minimize the possibility of damaging this infrastructure.

FIGURE 1

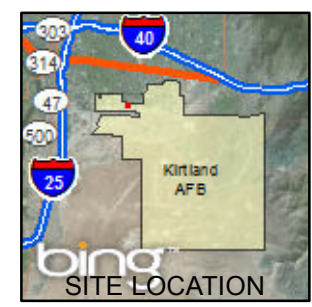
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Legend

- DPT Sample Location
- Proposed Step Out Location
- ▲ Proposed Step Out Conflicting with Underground Utilities
- ▲ New Proposed Step Out Location
- ▲ SVE Extraction Well
- Industrial Waste Line
- Water Line
- SVE Subsurface Piping
- Electric Utility Line
- FFOR 16in Fuel Line
- New Offloading Rack
- Building
- Road Area



Service Layer Credits: © Harris Corp, Earthstar Geographics LLC © 2013 Microsoft Corporation

Revision Date: 04/10/13

Feet
1 inch = 50 feet

Projection : NAD83 State Plane New Mexico Central FIPS3002 Feet

INTERIM WORK PLAN
BULK FUELS FACILITY
KIRTLAND AIR FORCE BASE, NEW MEXICO

FIGURE 1

STEP OUT LOCATIONS IN CONFLICT WITH
UNDERGROUND UTILITIES AND
PROPOSED NEW LOCATIONS