



MICHELLE LUJAN GRISHAM  
GOVERNOR

JAMES C. KENNEY  
CABINET SECRETARY

June 20, 2023

Mr. Adam Kusmak  
Chief, Installation Management Flight  
49<sup>th</sup> CES/CEI  
550 Tabosa Avenue  
Holloman AFB, NM 88330

**Re: Groundwater monitor well installation, groundwater and surface water sampling access request, Summer 2023-Spring 2024, Holloman Air Force Base, New Mexico**

Dear Mr. Kusmak:

The New Mexico Environment Department (NMED) requests that the U.S. Air Force (Permittee) grant access to on-site surface water and existing and future groundwater monitor wells on Holloman Air Force Base (AFB) for the purpose of collecting sediment, groundwater, and surface water samples. The sediment and water quality samples will be collected by Daniel B. Stephens & Associates, Inc. (DBS&A), a NMED contractor.

We are requesting access from the U.S. Air Force for the following activities, to be conducted during the State's fiscal year 2024 (between July 1, 2023 and June 30, 2024):

1. Collect surface water and sediment samples at the locations described below and shown on Figure 1.
  - a. SW-1, current evaporation pond at the current fire training area
  - b. SW-2, concrete lined evaporation pond on the south flight line
  - c. SW-3, potential evaporation pond on west side of base
  - d. SW-4, upper reach of Lost River (Malone Draw) near where it enters the base
  - e. SW-5, near outfall of Lost Lake
  
2. Install and collect sediment and groundwater quality samples from 10 temporary direct-push wells to be located in the U.S. Route 70 right of way south of the base, and along the western boundary of Holloman AFB, as shown on Figure 2. These temporary wells will be sampled once, and then plugged.
  
3. Install and collect sediment and groundwater samples from 13 new monitor wells, as described below and shown on Figures 2, 3, and 4.
  - a. GW-1, south of the current evaporation pond at the current fire training area.
  - b. GW-2, at the former chrome plating facility and spill site (Building 281, ERP Site 18).
  - c. GW-3, upgradient of the Main Base and downgradient of the munition's bunkers, at the corner of Saber Road and Douglas Road.
  - d. GW-4, GW-5, and GW-6 to replace those monitor wells previously located on the west side of the sewage lagoons.
  - e. GW-7, GW-8, GW-9 to be installed downgradient (west and southwest) of Evaporation Pond 2.
  - f. GW-10, to be installed north of GW-7.
  - g. GW-11, GW-12, and GW-13 to be located downgradient (west) of Lake Holloman.

DBS&A will oversee the installation of the new monitor wells, to be performed by a drilling contractor licensed in the State of New Mexico, under subcontract to DBS&A.

4. Collect groundwater quality samples from 16 monitor wells twice during the State’s Fiscal year 2024 (by June 30, 2024). This will include the 13 new monitor wells described above, as well as the following 3 existing monitor wells (Figure 3):
  - a. DP-20, an existing 1-inch diameter monitor well at Environmental Restoration Program (ERP) Site SS-2&5
  - b. MW-02&05-06, downgradient of petroleum, oil, and lubricants (POL) site 2
  - c. MW-02&05-09a, downgradient of POL site 2

The coordinates for the proposed sampling locations are provided in Table 1.

**Table 1. Proposed Holloman AFB Sampling Locations**

Sampling Location Identification	Location	
	X or Easting or Longitude	Y or Northing or Latitude
SED-1/SW-1	-106.076101	32.860882
SED-2/SW-2	-106.087846	32.842304
SED-3/SW-3	-106.11631	32.840785
SED-4/SW-4	-106.086446	32.928062
SED-5/SW-5	-106.1562	32.882697
DP-20	-106.070813	32.853525
MW-02&05-06	-106.068618	32.852532
MW-02&05-09a	-106.069642	32.852538
GW-1	-106.075851	32.860628
GW-2	-106.086073	32.842407
GW-3	-106.083796	32.873397
GW-4	-106.10665	32.828479
GW-5	-106.10663	32.82494
GW-6	-106.106372	32.822075
GW-7	-106.11019	32.837443
GW-8	-106.109956	32.836808
GW-9	-106.108936	32.836628
GW-10	-106.110253	32.838075
GW-11	-106.124237	32.817594
GW-12	-106.125302	32.812343
GW-13	-106.125952	32.807966

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Sampling Location Identification	Location	
	X or Easting or Longitude	Y or Northing or Latitude
DP-1	-106.141004	32.838555
DP-2	-106.140893	32.833731
DP-3	-106.138982	32.829053
DP-4	-106.134201	32.824011
DP-5	-106.114789	32.807613
DP-6	-106.107635	32.811261
DP-7	-106.101198	32.81455
DP-8	-106.094263	32.818065
DP-9	-106.086634	32.821886
DP-10	-106.080408	32.825

NMED appreciates the U.S. Air Force's cooperation in this effort. Please contact John Bunch at DBS&A (505-822-9400, [jbunch@geo-logic.com](mailto:jbunch@geo-logic.com)) if you have any questions regarding this request.

Sincerely,

**Rick Shean**

Digitally signed by Rick Shean  
Date: 2023.06.20  
16:25:23 -06'00'

Rick Shean  
Director  
NMED Resource Protection Division

Cc: cc: Sarah Nuss (518-322-8478, [sarah.nuss@us.af.mil](mailto:sarah.nuss@us.af.mil))