

Kirtland Air Force Base (KAFB) Bulk Fuels Facility Leak Cleanup

Radioactive and Hazardous Materials Committee
November 5, 2026

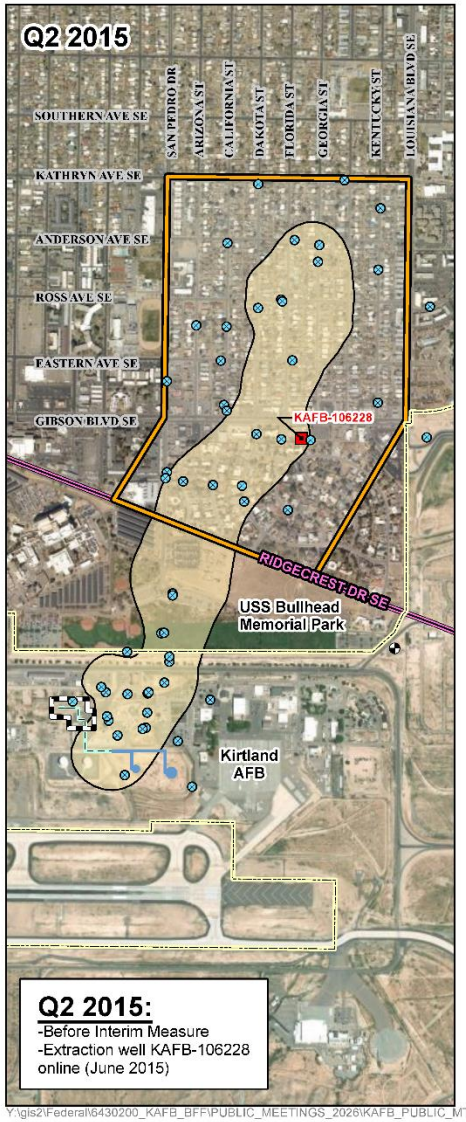
Ryan Wortman, Air Force Civil Engineer Center

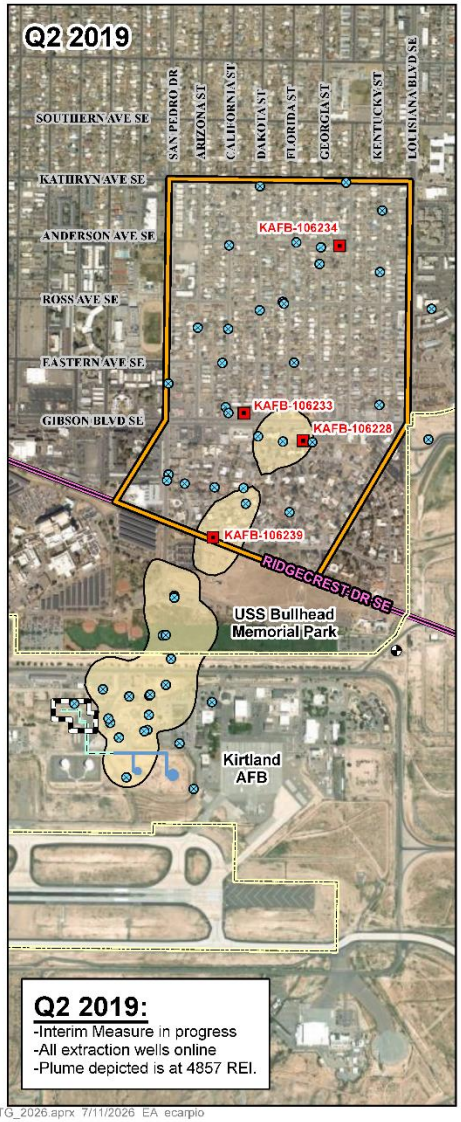
Discussion Topics

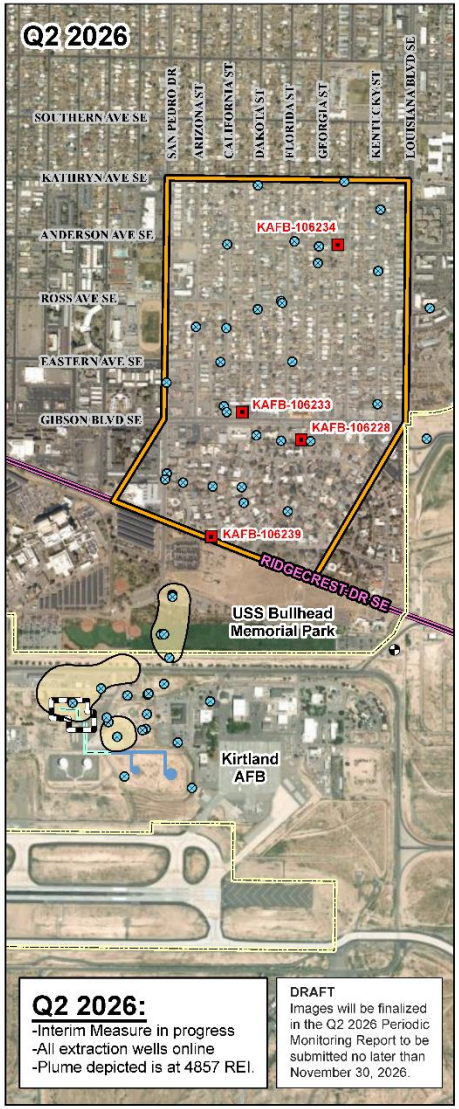
- Ethylene Dibromide (EDB) Interim Measure (over time)
- Ongoing Site Activities
  - Interim Measure operation and performance evaluations
  - Robust Monitoring Campaign
  - Additional Monitoring Well Installation
- Resource Conservation and Recovery Act (RCRA) Process
- Path Forward to Corrective Measures Evaluation (CME)

EDB Plume Footprint (over time)

Comparison of Dissolved-Phase EDB in the Interim Measure Operational Area Between Q2 2015 and Q2 2026

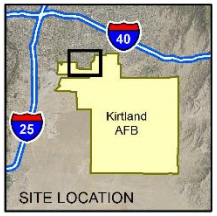






Legend

- Groundwater Monitoring Well
- Extraction Well
- Drinking Water Supply Well
- Former Aboveground Storage Tank
- Former Buried Fuel Transfer Line
- Former Aboveground Fuel Transfer Line
- Ridgecrest Drive SE
- Interim Measure Operational Area
- Installation Fence Boundary
- Source Area
- Dissolved-Phase EDB ≥ 0.05 µg/L (EPA MCL)



N

0 600 1,200 2,400

Feet

1 inch equals 1,200 feet

Projection: NAD83 State Plane New Mexico Central FIPS 3002 Feet

General Notes:
Aerial imagery provided by ESRI Online service.
EDB plume contour generated with ESRI Spatial Analyst and adjusted with professional judgement.

Acronym(s):
AFB = Air Force Base
EDB = 1,2-dibromoethane (ethylene dibromide)
EPA MCL = Environmental Protection Agency maximum contaminant level
REI = reference elevation interval
µg/L = microgram(s) per liter
Q2 = quarter 2

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Ongoing Site Activities

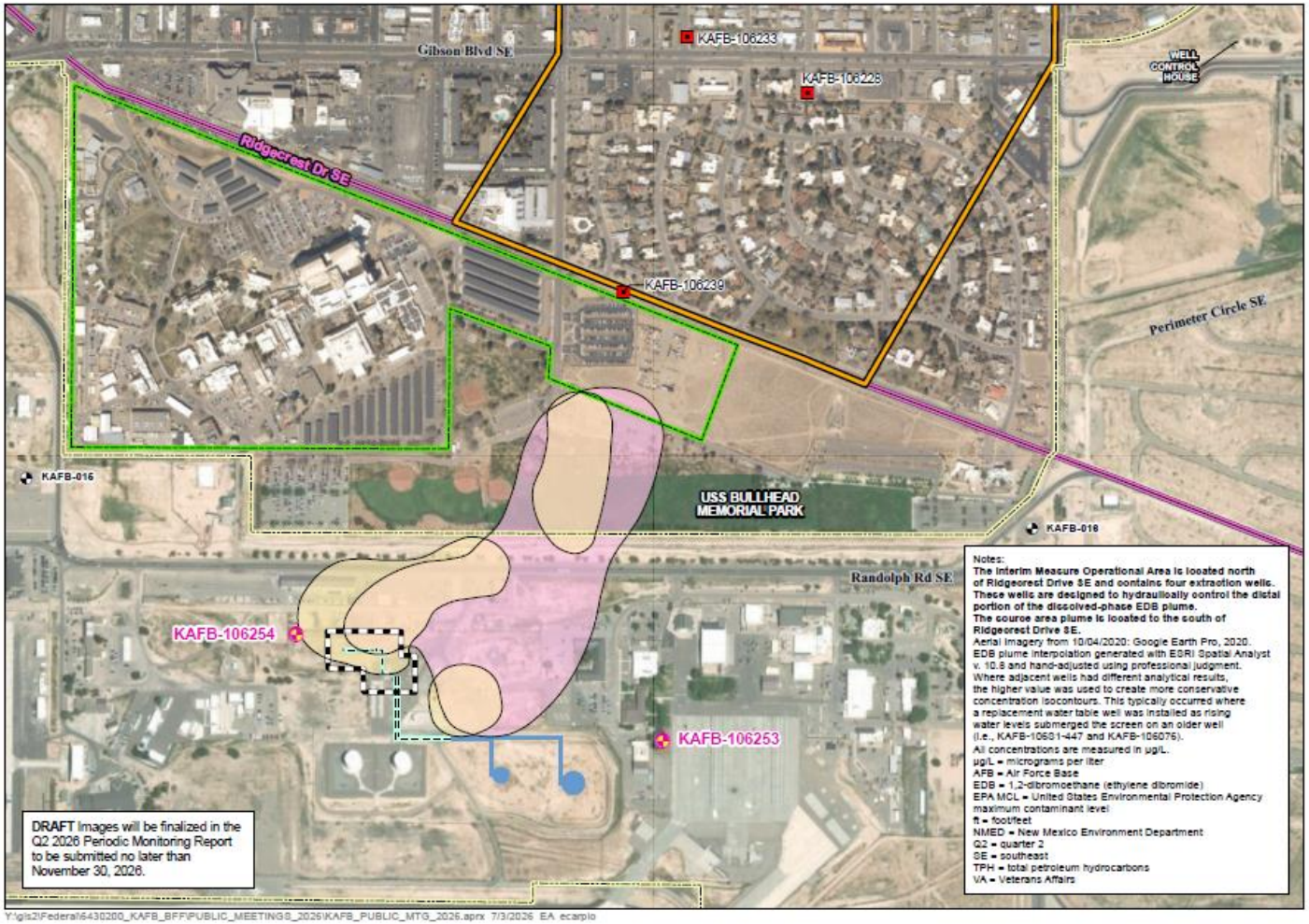
- Continuous operation of four extraction wells (approx. 550 gallons per minute)
  - EPA's performance evaluation completed semiannually
- 180 Groundwater Monitoring Wells gauged quarterly
- Q2/Q4 Additional 36 Groundwater Monitoring Wells gauged for semiannual model update
- Q1/Q3 29 Groundwater Monitoring Wells sampled
- Q2/Q4 165 Groundwater Monitoring Wells sampled
- 310 Soil Vapor Monitoring Points sampled semiannually
- Quarterly reporting of all monitoring data with semiannual groundwater plume updates

Proposed Groundwater Monitoring Wells

The well locations for wells KAFB-106253 and KAFB-106254 were selected to optimize the assessment of EDB, benzene, and TPH in the source area groundwater plume. Optimized Assessment required due to rising water table observed at the site since 2009 and the associated submergence of existing groundwater monitoring wells near the source area.

- KAFB-106253 will be installed to better assess benzene and TPH concentrations in the southeastern portion of the GWM network where benzene and TPH have historically been detected above the MCLs.
- KAFB-106254 will be installed to better assess EDB and benzene concentrations in the southwestern portion of the GWM network where EDB has historically been detected above the MCL and benzene has historically been detected below the MCL.

Both wells are proposed to be constructed as a single well with a well screen that intersects the water table, beginning approximately 15 ft below, and extending approximately 25 ft above the water table encountered at the time of drilling to allow for the potential future water table rise.



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Legend

- Proposed Monitoring Well Location
- Extraction Well
- Drinking Water Supply Well
- Former Aboveground Storage Tank
- Former Buried Fuel Transfer Line
- Former Aboveground Fuel Transfer Line
- Ridgecrest Drive SE
- Interim Measure Operational Area
- Installation Fence Boundary
- Source Area
- VA Boundary
- Q2 2026 EDB Concentration - 0.05 µg/L (EPA MCL)
- Q2 2026 Benzene Concentration - 5.0 µg/L (EPA MCL)



N

0 300 600 1,200

Feet

1 inch = 600 feet

Projection: NAD83 State Plane New Mexico Central FIPS 3002 Feet

PROPOSED LOCATIONS FOR GROUNDWATER MONITORING WELLS KAFB-106253 AND KAFB-106254

RCRA Corrective Action Process

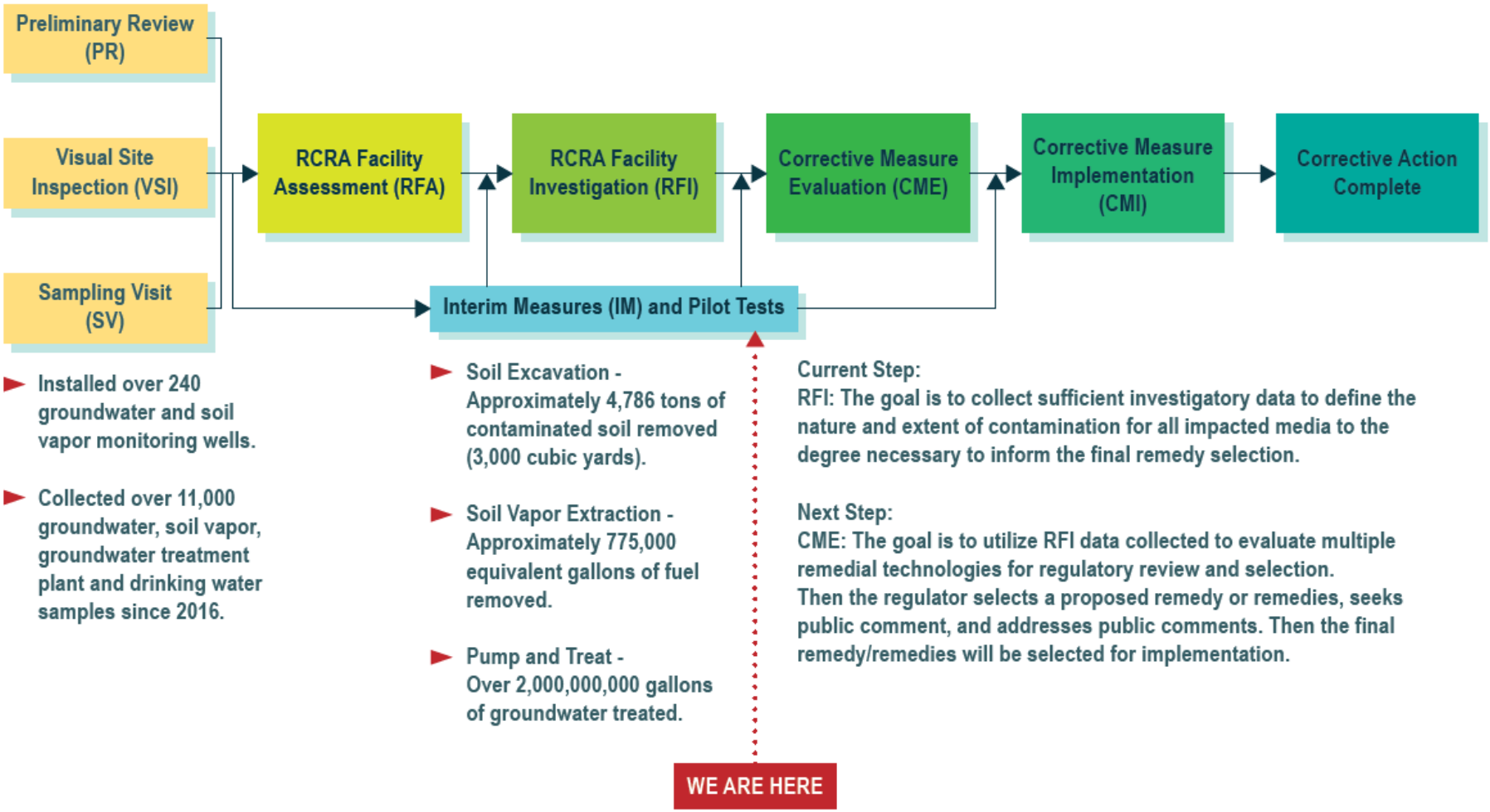


*Image adapted from California Department of Toxic Substances Control (https://dtsc-topock.com/resource-conservation-and-recovery-act)

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Path Forward to Corrective Measures Evaluation (CME)

- Air Force submitted the Phase II RCRA Facility Investigation (RFI) on April 29, 2025, approved with modifications by the New Mexico Environment Department (NMED) on October 13, 2026
  - Report summarized all relevant monitoring data and positioned project to advance to CME
  - Revised Report to be submitted no later than March 31, 2027
- Maintain extensive public outreach to ensure current project information is communicated
  - Two public meetings per year
  - Annual open house of treatment system
  - Monthly stakeholders' calls
  - Respond to all community requests for information, as needed

Questions?



Point of Contact:

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Additional information:

Online at https://www.kirtland.af.mil/Home/BFF/ and https://ar.cce.af.mil or visit our New Information Station at the New Mexico Veterans Memorial at 1100 Louisiana Blvd SE, Albuquerque, NM

Upcoming 2026 Public Events:

- November 19, 2026, Public Meeting