

# Bulk Fuels Facility Project Update

Kirtland Air Force Base, N.M.

Keeping the Public Informed



*This newsletter is produced regularly to share project progress and information with neighbors of Kirtland Air Force Base (AFB). If you do not wish to continue receiving these updates, please let us know via email at [377abw.pa@us.af.mil](mailto:377abw.pa@us.af.mil).*

## PLUME INVESTIGATION UPDATE

- First quarter 2014 report was submitted to the New Mexico Environment Department (NMED) on June 30, 2014. This report covers remediation activities and groundwater and soil vapor sampling conducted from January through March 2014 and is posted on [www.kirtlandjetfuelremediation.com/projdocs/projdocs\\_ov.htm](http://www.kirtlandjetfuelremediation.com/projdocs/projdocs_ov.htm).
- The Groundwater and Vadose Zone Resource Conservation and Recovery Act (RCRA) Facility Investigation Reports are still under NMED review. Submitted reports are available for public review at the repository library location and on the Kirtland AFB and Bulk Fuels Facility (BFF) websites.
- A risk assessment evaluating hazards posed by BFF-related contaminants to human health and environment was completed as a step in the RCRA process. This assessment was prepared in accordance with NMED guidance. The entire document is available on the project website, [www.kirtlandjetfuelremediation.com/projdocs/risk-assessment.html](http://www.kirtlandjetfuelremediation.com/projdocs/risk-assessment.html).
- The main conclusions of the risk assessment, assuming no cleanup occurs and land use changes to non-industrial use, are: 1) overall plant and animal risks are negligible at the BFF; and 2) risk would be present through activities of potential future routine workers and if future long-term adult and child residents live at the Former Fuel Offloading Rack

*The air sparge/soil vapor extraction wellhead (right) and pilot treatment system (below) for the light non-aqueous phase liquid (LNAPL) pilot interim measure installed in June 2014.*



## INTERIM MEASURES UPDATE

- The soil vapor extraction (SVE) system is operational and continues to remove fuel-related contaminants from the vadose zone. As of June 30, 2014, 3,315,332 pounds or 534,731 gallons equivalent of contaminants have been removed from the subsurface environment.
- Soil excavation and disposal started this quarter at the FFOR. Investigation activities identified that fuel-related contaminants are present in the surface soil at levels above the recently revised New Mexico Residential Soil Screening Levels. The soil is being disposed at an NMED-approved facility near Los Lunas, NM.
- An air sparge/SVE pilot treatment system was installed in June 2014. This pilot treatment will use a combined approach to remove hydrocarbons and EDB groundwater contaminants.

### Calendar of Events

**July 22, 2014:** CAB meeting at Cesar Chavez Community Center, 5:30 to 7:30 pm

**October 2014:** Next "Project Update"

**October 21, 2014:** CAB meeting at Cesar Chavez Community Center, 5:30 to 7:30 pm

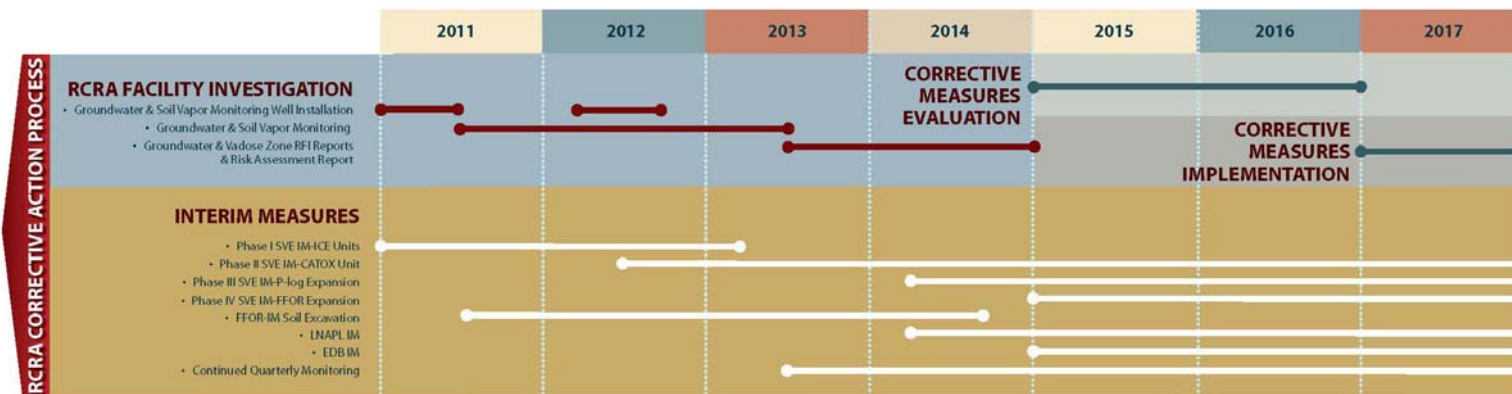
## FOR MORE INFORMATION

- [www.kirtlandjetfuelremediation.com](http://www.kirtlandjetfuelremediation.com) is a project-specific website available to provide information related to the fuel spill investigation to the public.
- Information specific to the fuel plume investigation is provided at the quarterly Citizens Advisory Board (CAB) meetings at the Cesar Chavez Community Center, 7505 Kathryn Avenue SE, Albuquerque.
- CAB meetings are open to the public. Interested community members are encouraged to attend with no RSVP required.

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- EDB = Ethylene dibromide
- FFOR = Former Fuel Offloading Rack
- IM = Interim Measure
- LNAPL = Light Non-Aqueous Phase Liquid
- RFI = RCRA Facility Investigation
- SVE = Soil Vapor Extraction

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## RCRA CORNER

- Resource Conservation and Recovery Act (RCRA) is a federal regulation that outlines the control of hazardous waste from “cradle-to-grave,” to include the generation, transportation, treatment, storage, and disposal of hazardous waste
- RCRA Facility Investigation (RFI) results and quarterly monitoring data, will be used to inform a Corrective Measures Evaluation (CME)
- Interim measures (IM) for early treatment/remediation are in action at Kirtland AFB; the results of IM operations are used in the CME evaluation and determination of final remedy, and are not end points of remediation