

**Provide World-Class Nuclear Surety,
Expeditionary Forces and Support to Base Operations**



U.S. AIR FORCE

***Department of Energy (DOE)
Department of Defense (DoD)
Semi-Annual Public Meeting***

***Cesar Chavez Community Center
7505 Kathryn Avenue SE
Albuquerque, New Mexico 87108***

***October 20, 2010
6:00 – 8:00 p.m.***

Surety, Readiness, Support



Introductory Remarks



Wayne Bitner

Kirtland Air Force Base (AFB)

Surety, Readiness, Support



DoD AGENDA



INTRODUTORY REMARKS

WAYNE BITNER

**OPEN BURN/OPEN DETONATION
FACILITY UPDATE**

JOHN PIKE

**BULK FUELS FACILITY (PHASE
SEPARATED HYDROCARBONS (PSH)
SITE SS-111 UPDATE**

WAYNE BITNER

**MILITARY MUNITIONS RESPONSE
PROGRAM UPDATE**

LAURA McNAMARA (HGL)

PERCHLORATE UPDATE

JOHN PIKE

PUBLIC COMMENT/QUESTIONS



Open Burn (OB)/Open Detonation (OD) Facility Update



- **April 2004: KAFB submitted to NMED Hazardous Waste Bureau an application for renewal of the OB/OD Permits**
 - **Previous 10-year permits issued to KAFB Dec 94 and July 95**
- **April 2007: NMED issued a Draft KAFB OB/OD Permit for Public Comment**
 - **KAFB and the community provided numerous comments to the NMED on the Draft Permit**
- **May 2008: Open Burn operations cease**
- **September 2009: KAFB elected to close OB Unit in the terms of an NMED/KAFB Settlement Agreement**
 - **KAFB submitted a Modified Closure Plan to NMED**
 - **KAFB provided Public Notice of the Modified Closure Plan and held a public meeting and opportunity for public comment**



Open Burn (OB)/Open Detonation (OD) Facility Update



- **July 2010: NMED Issued Final KAFB Permit with an effective date of 16 August 2010**
 - **Air Force review of the Proposed Final Permit demonstrated significant logistical and fiscal requirements that would impede mission capabilities and continuation of operations**
- **13 August 2010: KAFB withdrew application for renewal of the OD Treatment Permit and elected to end treatment of waste munitions at the OD Facility**
- **8 October 2010: KAFB submitted Final Closure Plans for the OB and OD Facility**
 - **Final Closure will end waste treatment operations 40 years ahead of previous expectations**
 - **KAFB is awaiting NMED approval of closure plans**



Bulk Fuels Facility (PSH) (Site SS-111) Update



Wayne Bitner

Kirtland AFB



Bulk Fuels Facility (PSH) (Site SS-111) Update



- **Prescribed work plans delivered on time**
 - **NMED commented on work plans (July & Aug)**
- **Office the Secretary of Air Force (SAF) directly involved**
 - **Acquired funding and prescribed performance-based (PBC) approach**
- **Continued O&M and soil vapor extraction**
- **Continued sampling of monitoring wells**
- **Award of Performance Based Contract 30 Sept**
 - **Shaw Environmental and Infrastructure Inc.**
 - **Amended work plans due to NMED 8 Nov**
 - **AF goal is to initiate field operations NLT 1 Dec 2010**
 - **Start of field operations dependent upon NMED approval of work plans**
 - **Contractor stated they will be in the field 1- day after NMED approval**



QUARTERLY CAB MEETING



NEXT MEETING DATE:

Tuesday, November 23, 2010

Location: Cesar Chavez Community Center

Members of the public and Neighborhood Associations are welcome and encouraged to attend

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Kirtland AFB Public Records

Kirtland AFB Website: [Http://kirtland.af.mil](http://kirtland.af.mil)

Kirtland Air Force Base
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 505-863-0011
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Medical care
 Emergency 911
 TRCARE Air Force Nurse Advisor 888-987-4111

377th Air Base Wing Public Affairs
 2009 Wyoming Blvd SE, Suite A-3
 Kirtland AFB, NM 87117
 Phone: 505-846-5991
 OSN: 246-5991

BULK FUEL LEAK

Kirtland AFB 50th Annual Public Environmental meeting - October 2008

Kirtland AFB Fuel Leak Public Meeting slides, July 31, 2008

Kirtland AFB Fuel Leak Public Meeting handout, July 31, 2008

1999 Bulk Fuel Leak report

Public planning off base monitoring wells

Public planning to discuss fuel release

Second soil vapor extraction system enhances fuel leak remediation effort

Public Records
 Kirtland AFB Environmental Restoration

Additional duty to at separate session not Kirtland AFB FORCE BASE, New Mexico - Air Force Medical Command and Veterans APT will hold an Additional Duty First Sergeant Seminar. The seminar will be held from 20 April to 21 April at Bldg 201, Public Conference Center, 1760 Veterans Drive.

Commemorative Arrival
 Kirtland Air Force Base, New Mexico - Call 522 ext. 4444, job better at 522-4444.

AFSP Campaign Continues Through April 17
 Kirtland Air Force Base, New Mexico - The Air Force Assistance Fund has created to provide an extra effort to raise money for the charities that support Air Force families.

Showering game starts tonight, too events
 Kirtland Air Force Base, New Mexico - A lighted Out event planned for Wednesday, March 25, will light up the sky with an impressive display of fireworks on Wednesday night at the site.

Alman and Family Resources Center
 Calendar

Health and Wellness Center
 Calendar

Review prepared for AF investigation
 Sheriff Sgt. Arthur Jones, 37th Security Forces Squadron, Kirtland Air Force Base, New Mexico, is an Air Force Reserve member. He is currently on active duty in the Air Force Reserve at the Air Force Research and Development Center, 50th Special Operations Wing, Kirtland Air Force Base, New Mexico. He is currently on active duty in the Air Force Reserve at the Air Force Research and Development Center, 50th Special Operations Wing, Kirtland Air Force Base, New Mexico. He is currently on active duty in the Air Force Reserve at the Air Force Research and Development Center, 50th Special Operations Wing, Kirtland Air Force Base, New Mexico.

National U.S. Air Force photo by Todd Bremner

Kirtland AFB Reaching for new heights
 Kirtland Air Force Base, New Mexico - The Kirtland AFB Non-Commissioned Officer Academy that opened its doors on Feb. 1, 2008, under the Air Research and Development Command. Since its beginning, the Kirtland AFB Academy has graduated over 30,000 staff and technicians, preparing them for additional leadership.

Done

Small Business officials opened road to innovation
 Major projects to be approved from an on-rehearsal Air Force health initiative into work
 Air Force officials take delivery of West MC-17
 Base, US, air forces seek for training
 Open education seeks preference
 Airman's Ball Call Social Annual Awareness Month
 "Women of Value" portraits honor heroes
 Family and friends look back over the Air Force Family Break AFB land-use deal closer to reality

AFRC will use new tools to promote social awareness
 Air Force Research Lab also prepared to meet IRRF and
 Airman represent command at Fantasy Park
 AFRC issues checks to improve communication between air and flighters, border
 Air Force looks at bigger role for small business
 AFRC begins 4th annual
 Air Force begins to conduct A Freedom's Call (AFCC) 2008 event

Tell
 your family about your accomplishment. Tell our a Hometown News Release.

Department of Defense
 Air Education and Training Command
 Air Force Space Command
 Air Force
 Air Force Materiel Command

Call the base Public Affairs Office at 505-863-0011, 377th Air Base Wing Public Affairs at 505-846-5991, or visit our website at www.kirtland.af.mil with immediate effect. If you have any questions, please call or visit our website at www.kirtland.af.mil. Please allow at least a week for editing and preparation.

NSA/CSS
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 Personnel Systems

The second soil vapor extraction unit added to the Kirtland Air Force Base, New Mexico, effort at the monitoring point where fuel was discovered first on the water table in 2007. The new apparatus will pump up to 243 gallons a day, 7 days a week to remove up to 300 gallons of petroleum product daily.

Fuel 2008 Integrity and Hydrostatic Testing Report (OSI, APT) of JP-8 and Ground Fueling at Kirtland AFB, ILIA.

Environmental Assessment for the Construction and Operation of the Westside Shopette Gas Station at Kirtland AFB, ILIA.
 Part 1 Part 2
 Finding of no Significant Impact Public Notice

Kirtland AFB Report on Drinking Water Quality, 2007

Kirtland AFB Enhanced Use Lease Finding of No Significant Impact (d/0).

Kirtland AFB Enhanced Use Lease final environmental assessment.
 Part 1 Part 2

Findings of No Significant Impact
 Fuel Supplemental Environmental Assessment of 50th Special Operations Wing Proposed Actions, Kirtland AFB, ILIA.
 Part 1 Part 2

Map of proposed land to answer of Otero Canyon
 Environmental Assessment

The Air Force offers to use base volunteer to help improve military and civilian operations with a wide range of experiences and knowledge.

Call the base Public Affairs Office at 505-863-0011, 377th Air Base Wing Public Affairs at 505-846-5991, or visit our website at www.kirtland.af.mil with immediate effect. If you have any questions, please call or visit our website at www.kirtland.af.mil. Please allow at least a week for editing and preparation.

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POINTS OF CONTACT



Documents will be available
in the Information Repository
Central New Mexico (CNM) Community College- Montoya
Campus Library
4700 Morris NE • (505) 224-5721

Kirtland AFB Website: [Http://kirtland.af.mil](http://kirtland.af.mil)

- **Kirtland AFB**
377 ABW/PA – Kirtland AFB Public Affairs Office
(505) 846-5991

- **NMED**
John Kieling – Program Manager, Permits
Management,
Santa Fe • (505) 476-6035



Bulk Fuels Facility (PSH) (Site SS-111) Update



Questions ?

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Military Munitions Response Program (MMRP) Update



Laura McNamara, PE

HydroGeoLogic, Inc.



Overview



- Air Force MMRP
- Mine Shaft Site (Solid Waste Management Unit DP-67)
- ML125 Surface Clearance



Air Force MMRP



Overall Goal of Air Force Military Munitions Response Program (MMRP)-

To make munitions response areas (MRAs)
safe for reuse while protecting human health
and the environment.

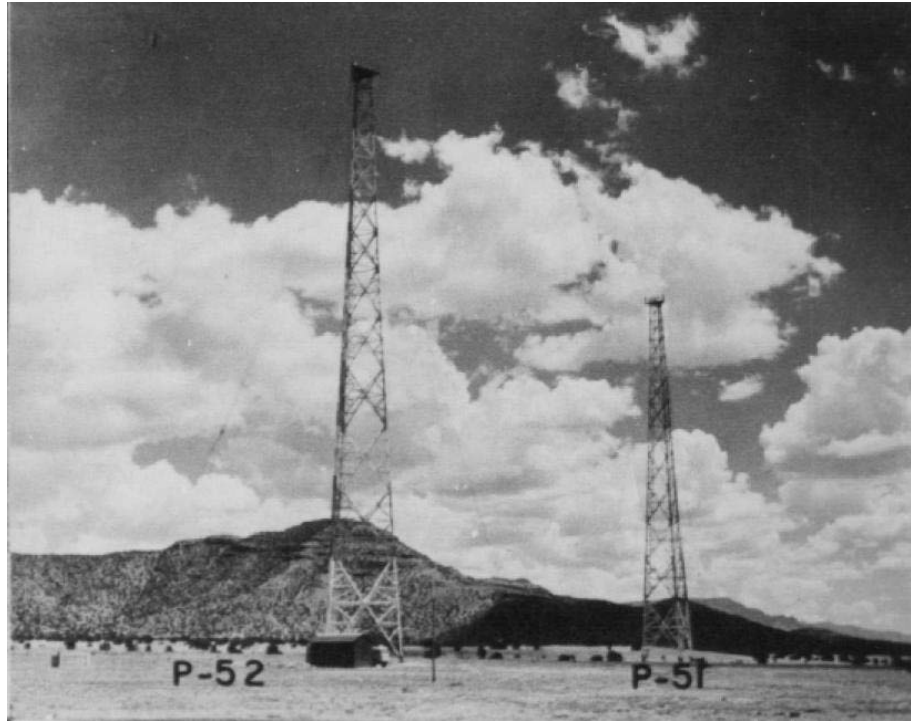
Through FY-10, \$2M has been spent.
Future expenditures on MMRP are expected to
remain steady for the foreseeable future



Kirtland Historical Range Use



- Proximity (VT) Fuze was No. 2 WWII development priority. Manhattan Project was No. 1.



- Most of VT Fuze development and testing occurred at Kirtland from 1942 to 1952.



Air Force MMRP

Important Definitions:

Munitions Debris (MD)- a military munition, or part thereof, which does not contain explosives.



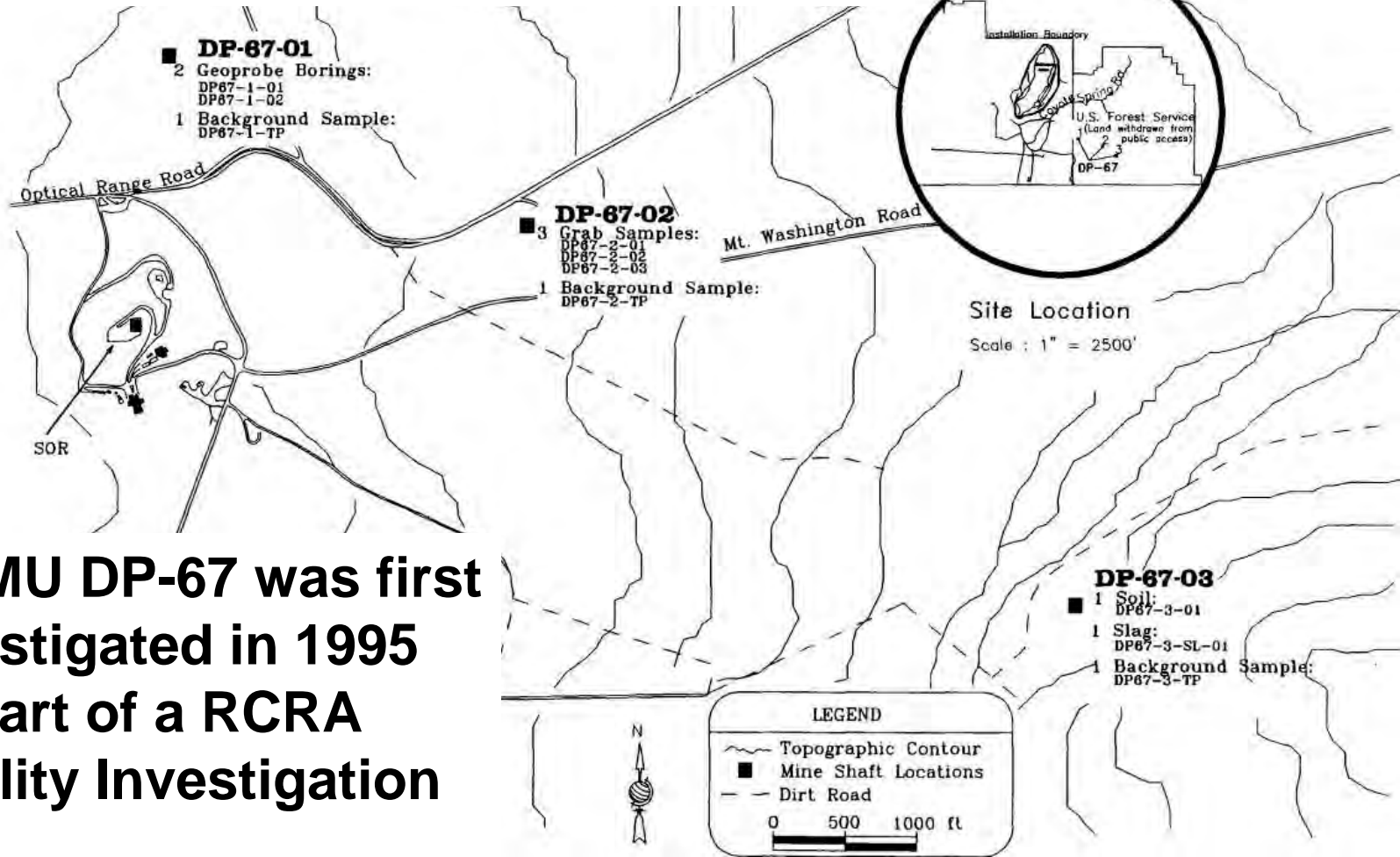
Munitions and Explosives of Concern (MEC)- unexploded ordnance, discarded military munitions, or munitions constituents that present an explosive hazard.



Mine Shaft Site (SWMU DP-67)



Mine Shaft Site is located with ML125



SWMU DP-67 was first investigated in 1995 as part of a RCRA Facility Investigation



Mine Shaft Site



- Soil samples were collected from mine shafts and tailings and analyzed for organic compounds, metals, explosives, and radionuclides.
- No contaminants associated with past waste handling or range activities were identified above soil cleanup levels.
- NMED granted the site No Further Action status in 2005.



Mine Shaft Site

A site visit in 2007 discovered munitions debris (MD) at DP-67-1 and other mine shafts and tailings in the area.



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Mine Shaft Site



HGL excavated and removed MD at the Primary Mine Shaft Location – original estimates were that 2,000 pounds of debris were present.





Mine Shaft Site

MD in the mine shaft was excavated and placed onto a specially-designed table for sorting.



MD was separated from soil, which was later used as backfill.



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Mine Shaft Site

An industrial magnet was used to help remove MD from the mine shaft.



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Mine Shaft Site



Debris was inspected and placed in drums for subsequent demilitarization.

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Mine Shaft Site

- Total of 65,785 lbs MD removed.

- 230 lbs of MEC were recovered.



- Borehole metal detector was used to verify all metal was removed.

- Soil samples were collected from the finished excavation. No explosive compounds were detected.



Mine Shaft Site



All MD collected was demilitarized and recycled.



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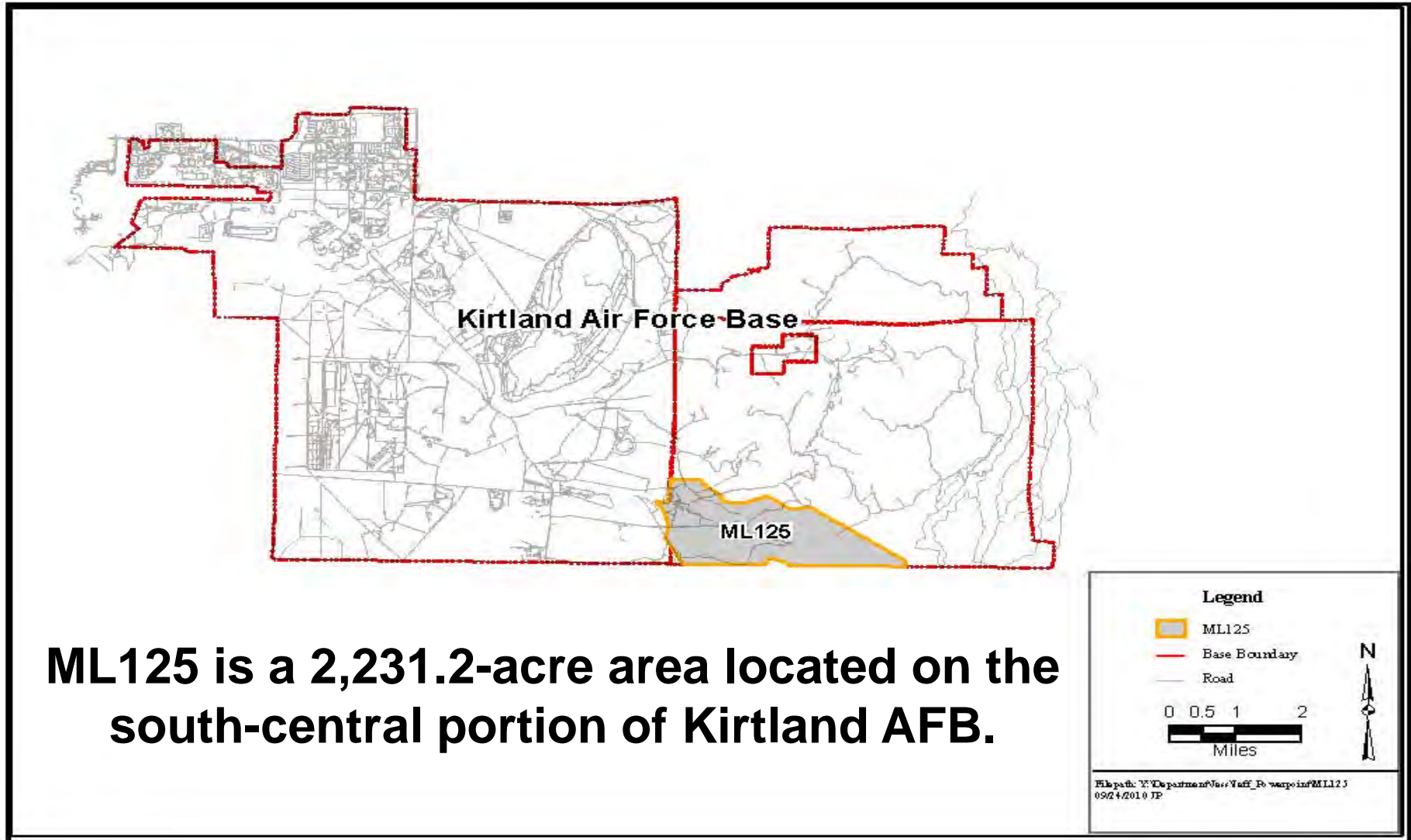
Mine Shaft Site



- Final recommendations for the site include:
 - Signs warning of potential risks should be installed.
 - The site should be evaluated as part of an MMRP remedial investigation.



ML125 Surface Clearance



ML125 is a 2,231.2-acre area located on the south-central portion of Kirtland AFB.



ML125 Surface Clearance



Removal was conducted with a 20-man field crew and took a total of 7 months.



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ML125 Surface Clearance



Once an item was found, it was identified as MD or MEC.



MEC items were identified, photographed, and collected in the area for demolition.



Partially buried items were dug up.



MD was stored in a secure container.

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ML125 Surface Clearance



MEC determined “*unsafe-to-move*” was blown in place by 377th EOD.

Engineering controls were used for safety.





ML125 Surface Clearance



**MEC that was
"safe-to-move"
was
consolidated...**



**...and
demolished by
377th EOD.**



ML125 Surface Clearance



•124,620 pounds of MD were removed and recycled.

•742 MEC items were found and destroyed.





ML125 Surface Clearance



- Final recommendations for the site include:
 - Land use controls should be implemented for steep areas that were not swept to restrict access
 - Signs warning of potential risks should be installed
 - The site should be evaluated as part of an MMRP remedial investigation



Military Munitions Response Program (MMRP) Update



Questions ?

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Perchlorate Update



John Pike

Kirtland AFB

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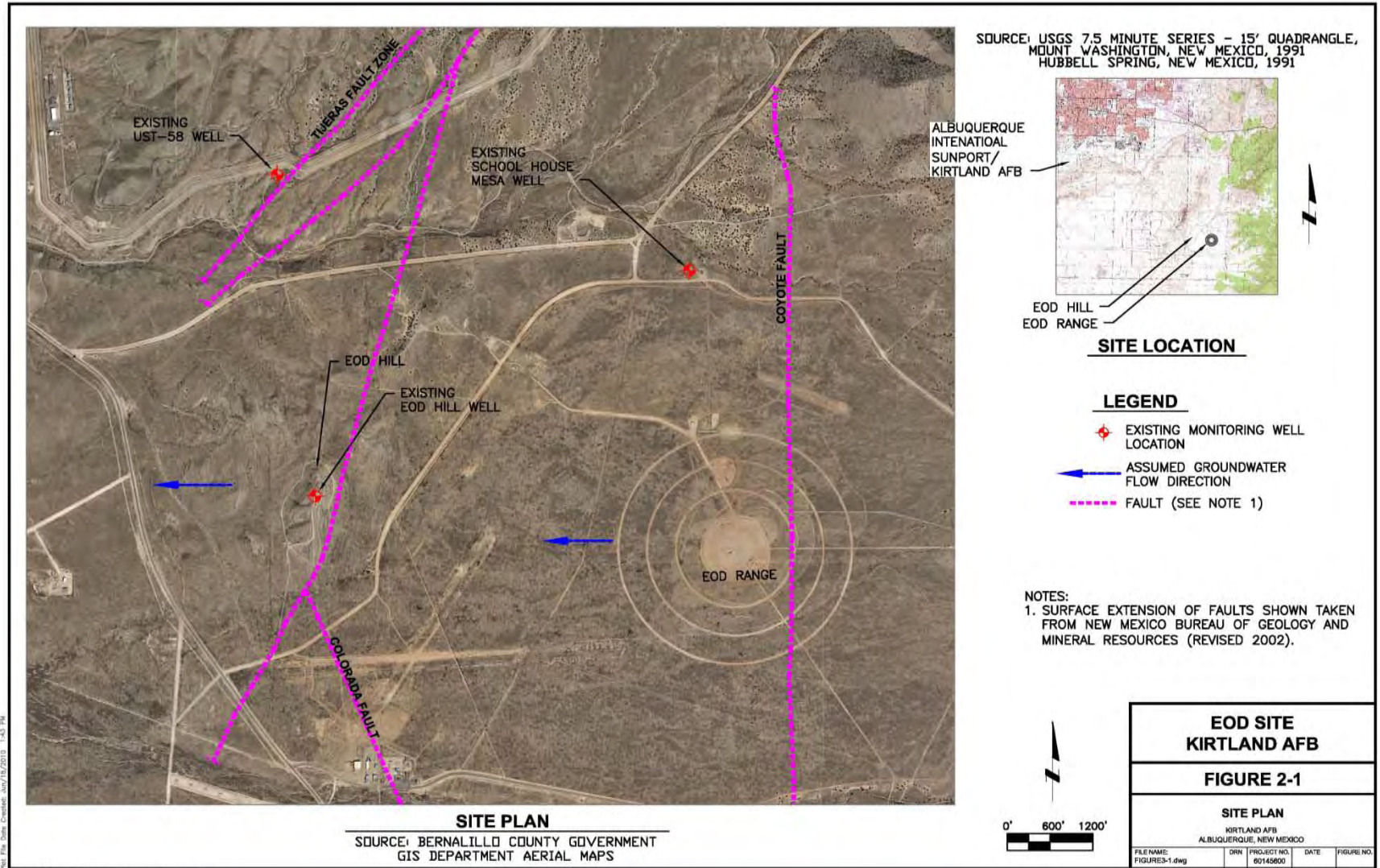
Perchlorate



- **KAFB submitted Perchlorate work plan January 2010**
- **NMED Hazardous Waste Bureau (HWB) offered comment on work-plans May 2010**
 - **KAFB revised work-plans to address NMED comments**
- **KAFB submitted revised work plans to NMED HWB July 2010**
- **Awaiting review and approval from NMED HWB**



Perchlorate



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Plot File Date: Created: 2/17/2016 1:43 PM



DoD SEMI-ANNUAL PUBLIC MEETING



THANK YOU

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