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Environmental Restoration Program (ERP) Update for Edwards AFB, CA

Ai Duong
Environmental Restoration Chief

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Human Health Risk Management



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- **The Air Force and regulatory agencies are working to resolve human health risk calculation and management issues**
 - Three Record of Decision documents on hold
 - Operable Unit 6 Five-Year Review report has been postponed

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Fiscal Year 2012 Restoration Budget



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- Funds of ~\$20 million are expected to continue ongoing system operations and site investigations necessary to protect human health and the environment and meet Federal Facility Agreement requirements
- Staff have begun preparing for transition of the Restoration program into fence-to-fence Performance-Based Contracts (PBCs) in FY14
 - Several PBCs may be awarded to achieve site cleanup and completion of Edwards sites

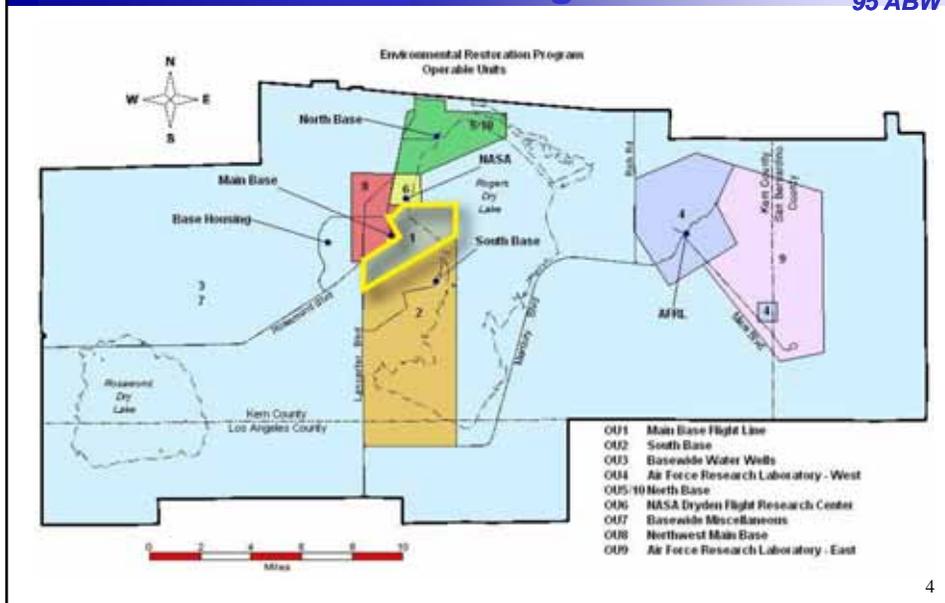
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Operable Unit (OU) 1 Main Base Flightline



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OU2 South Base



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- **Final Remedy Implementation**
 - Potassium permanganate injections have been performed at Sites 5/14 and 76
 - Gaseous nutrient injection is ongoing at Sites 5/14 and 86
- **Site 29**
 - Record of Decision Amendment being prepared
 - Documents the final remedy of Clean Closure for the Site 29 landfill

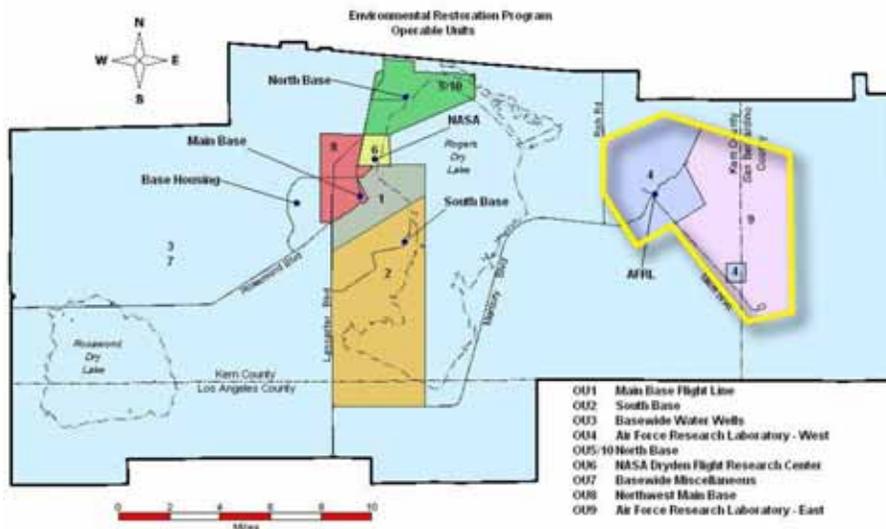
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OUs 4 & 9 Air Force Research Laboratory



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Operable Units 4 & 9 (AFRL)



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- Vapor Intrusion Pathway Work Plans being finalized
- Base-wide Conceptual Site Model finalized

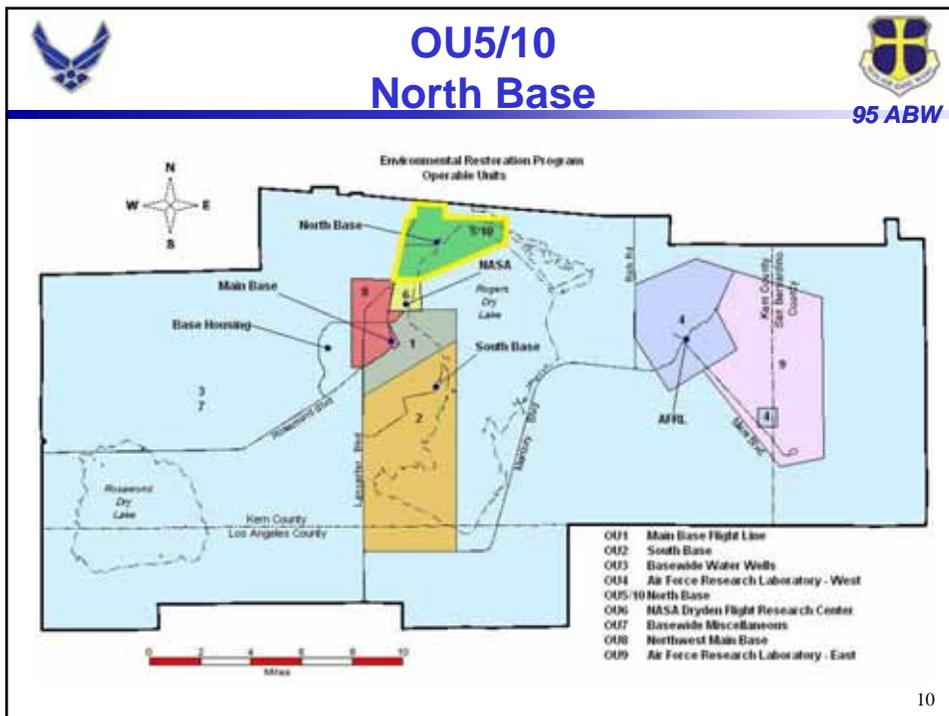
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OU5/10 North Base



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OU5/10 North Base



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- **Site 275**
 - Conducted a surface sweep for buried ordnance prior to drilling
 - Discovered four unexploded ordnance items which were detonated onsite by EOD
- **A draft of the Data Gap Summary Report will be ready for regulatory review by March 2012, and should be final no later than September 2012**

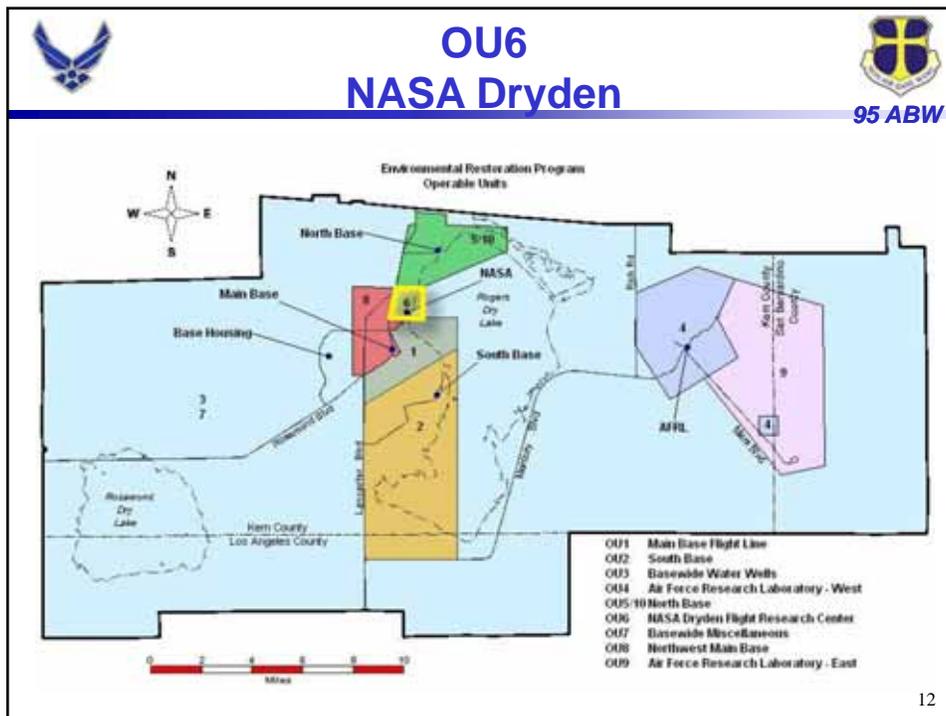
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OU6 NASA Dryden



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OU7

Base-wide Miscellaneous



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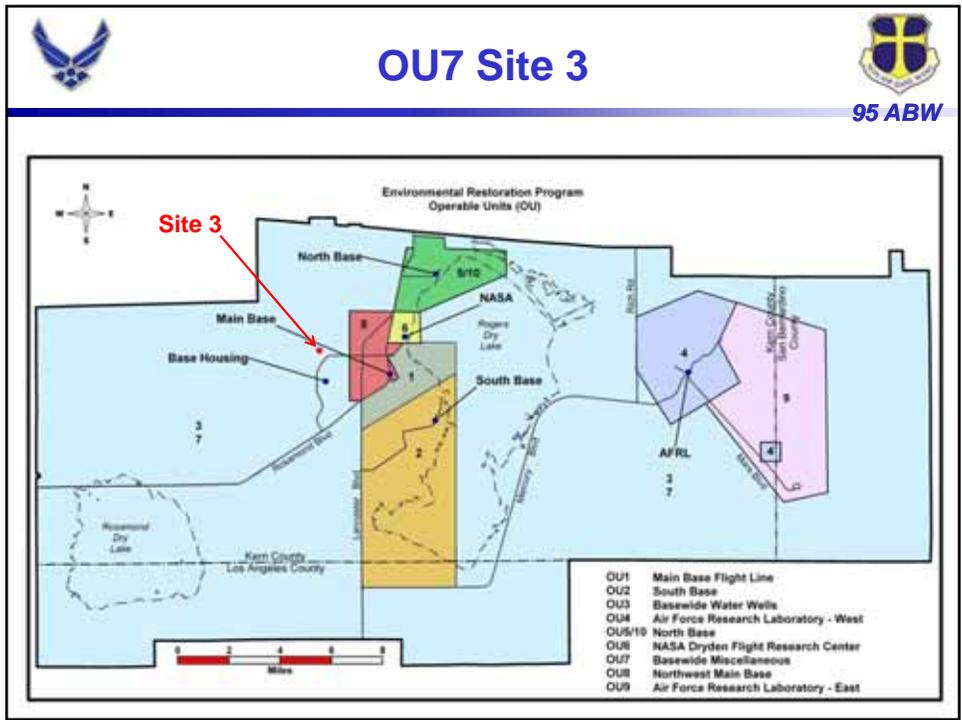
- Collecting additional data to revise the Feasibility Study



OU7 Site 3



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OU7 Site 3 Landfill



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- Record of Decision being prepared
 - Potential for dispute due to human health risk

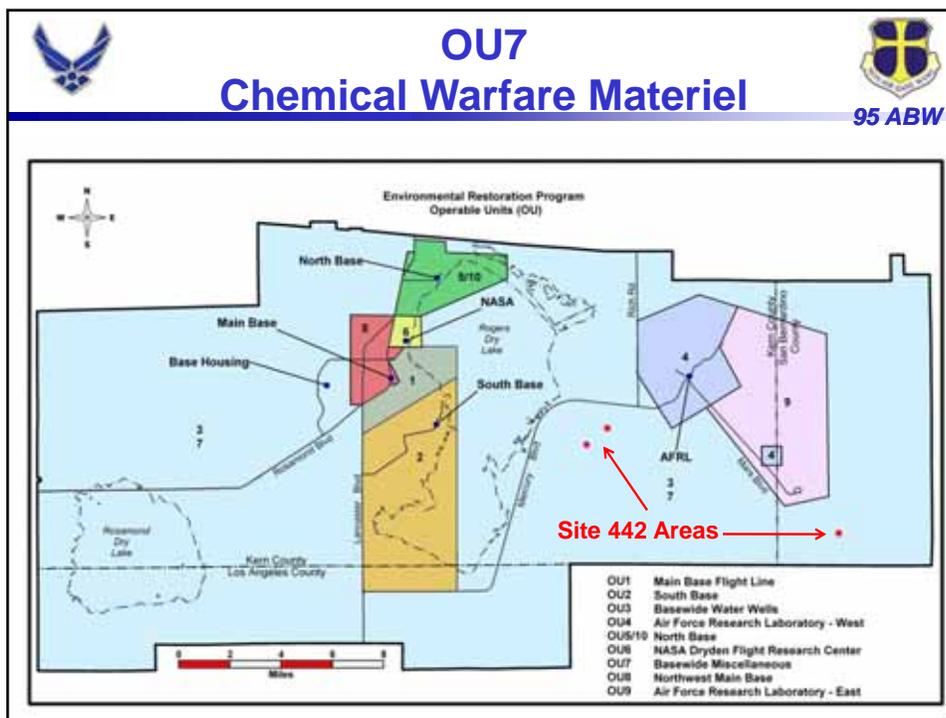
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OU7 Chemical Warfare Materiel



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OU7

Chemical Warfare Materiel



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- **Post-ROD**
 - Site 442
 - Explosives Safety Submission (ESS) being prepared
 - Implementation of final remedies at the three burial areas may begin after the ESS has been finalized

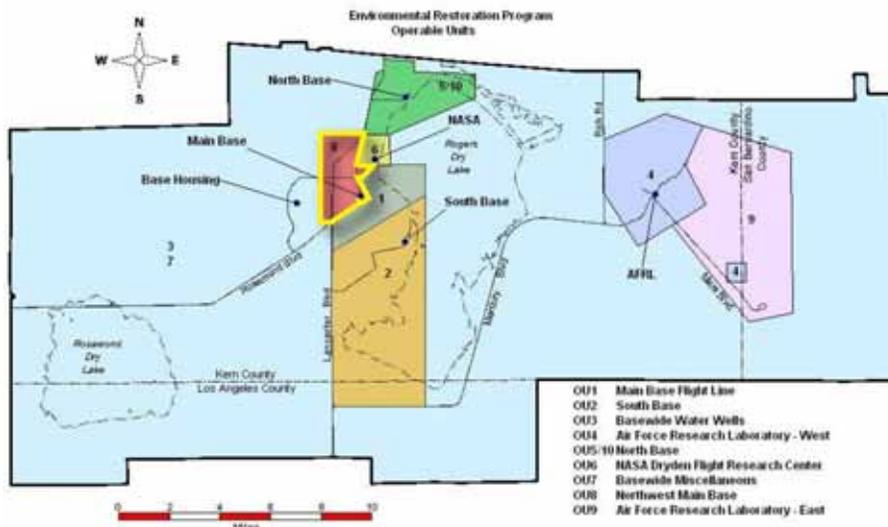


OU8

Northwest Main Base



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OU8 Northwest Main Base



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- Field work to address data gaps to revise Feasibility Study

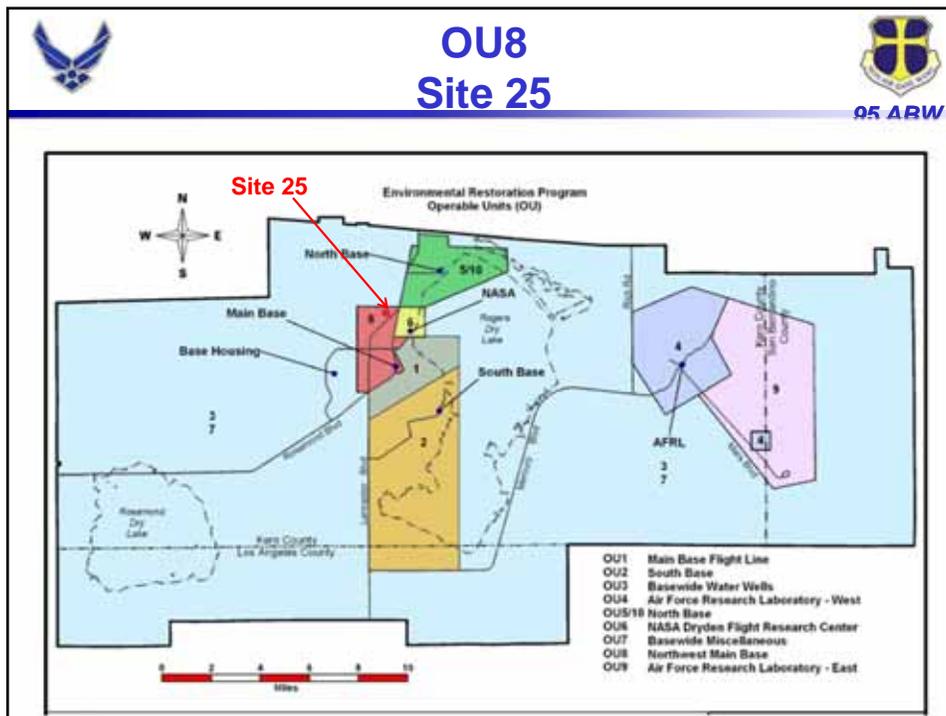
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OU8 Site 25



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OU8 Site 25



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- **Collecting additional data to revise the Feasibility Study**
 - Evaluating the site for Technical Impracticability Waiver
- ***In Situ* Chemical Oxidation Treatability Study completed**
 - Site conditions (fractured bedrock) made treatment methodology ineffective

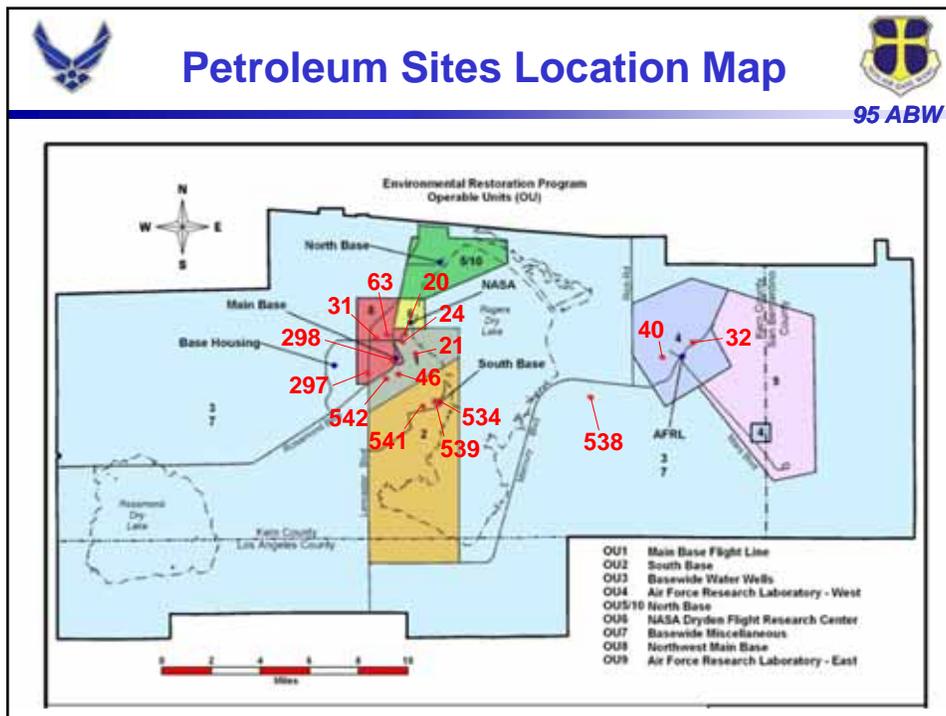
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Petroleum Sites Location Map



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Petroleum Sites & Compliance Restoration Program



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- Site 21 Vapor Intrusion Pathway Work Plan being finalized
- Site 31 Bulk Fuel Storage Facility Work Plan completed for site investigation
- Base-wide Oil/Water Separator evaluation concluded

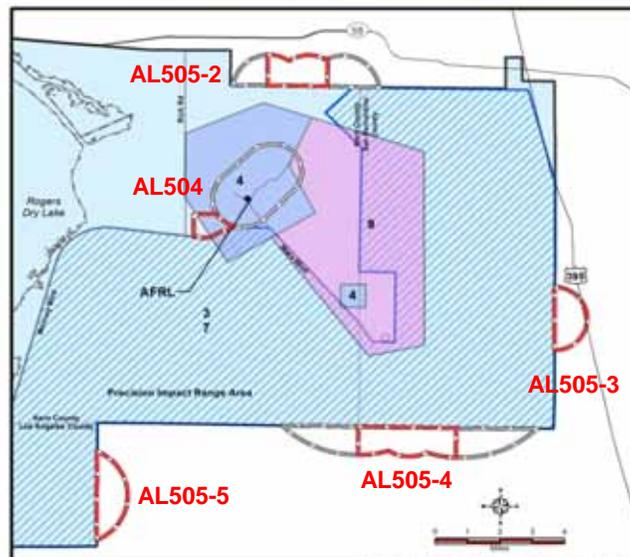
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Military Munitions Response Program (MMRP)



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Military Munitions Response Program (MMRP)



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- **Obtained approval from DOD Explosives Safety Board to begin surface clearances in three MMRP areas**
 - AL504 Battleship
 - AL505-2 near Boron
 - AL505-4 south of the Precision Impact Range Area
- **Surface clearances are expected to begin late January 2012 and be completed in 4 months**
- **The Action Memorandum and Work Plan are being prepared**

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Questions or Comments?