

*DUGWAY PROVING GROUND*

# Installation Restoration Program

## IRP PROGRAM OVERVIEW

May 2000



# Installation History and Mission

- **Past Mission**

- DPG was activated in 1942 as a military weapons and defense test facility against chemical and biological agents
- Early projects included testing incendiary bombs, chemical weapons, and modified agents as spray disseminated from aircraft
- Limited biological warfare material testing began in 1945 that included open air testing
- Chemical and Biological Warfare Divisions were formally activated in 1951
- In 1968, DPG was combined with the Deseret Test Center
- Open air testing continued until 1969
- In 1973, Deseret Test Center was decommissioned and DPG assigned to TECOM



## Installation History and Mission (Cont.)

- **Current Mission**

- Dugway is now part of US Army Test and Evaluation Command (ATEC) headquartered at Alexandria, Virginia
- Currently, 798,855 acres
- Involved with chemical and biological defensive testing
- Environment characterization and remediation technology testing
- Leader in battlefield smoke and obscurant testing



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# Installation Restoration Program

- **Consent Order Sites**
- **RCRA Corrective Action Sites**

May 2000



## Consent Order Sites

### Consent Order History

- September 1990 Consent Order
  - Listed 27 SWMUs for investigation to determine which were HWMUs
  - Amended December 1993 to include 18 additional units for investigation
- September 1994 Consent Order
  - Listed 41 HWMUs based on Field Mobilization 1
  - Required groundwater monitoring at 12 of the 41 units



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## Consent Order Sites

- **Closure Plans required for 41 HWMUs**
- **Closure Plans prepared in 3 Modules**
- **Modules 1 and 2 approved (7 closure plans)**
- **Final Module 3 issued 1998**
  - 25 closure plans issued as final, but not approved
  - 6 closure plans being revised to address State comments
  - 2 closure plans on hold due to chemical agent/ABPs



## Consent Order Sites

- **Closure Plan Module 1**
  - Deletion from the permit of 3 units that received no hazardous waste; no future releases are expected
  - Closure plans based on pre-Consent Order and Mobilization 1 activities (1989 and 1992)
- **Closure Plan Module 2**
  - Clean closure of 4 units based on risk assessment, absence of waste, and no future use as a SWMU
  - Closure plans based on field activities through Mobilization 2 (through 1993)
  - Prepared as a model for Module 3



## Consent Order Sites

- **Closure Plan Module 3**
  - 7 No Action -- SWMUs 34, 40, 46, 63-2, 99, 165, 167
  - 6 Site Controls -- SWMUs 14, 36, 124, 163, 169, 190
  - 8 Removals followed by Site Controls --  
SWMUs 7, 9, 33, 59, 128, 130, 158/162, 168
  - 1 Corrective Action -- SWMU 48
  - 7 Landfill Covers -- SWMUs 2, 37, 39, 42, 43, 55, 90
  - 4 Interim Closures -- SWMUs 38, 51, 58, 63-1
- **Closure plans based on sampling through Mobilization 3 in 1995**



# Installation Restoration Program

- **RCRA Facility Investigation**
  - Phase I
    - 130 sites investigated
    - 65 sites agreed to no further action (NFA)
    - 14 new sites added at the conclusion of Phase I
    - 71 sites moved into Phase II for further characterization
  - Phase II
    - 71 sites total from Phase I (after consolidation)
    - 4 of the 71 sites moved to Phase II but deferred until biological sampling methodology issues are resolved



# Installation Restoration Program

- **Formerly Used Defense Sites (FUDS)**
  - FUDS are not part of IRP program
  - FUDS are funded separately through DERA and HQ USACE
  - FUDS associated with DPG will not be part of the requirements for this RAB or TRC



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QUESTIONS ??????

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