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• *DUGWAY PROVING GROUND*

Technical Review Committee

- Project Update
 - RCRA Facility Investigation (RFI)
 - **Consent Order Sites**

February 2001



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Technical Review Committee - Consent Order Sites

- **Current Field Work**
 - HWMU 33
 - HWMU 36
 - HWMU 42
 - HWMU 48
 - HWMU 63-2
 - **Sump Contents Characterization and Removal (HWMUs 51, 58, 63-1, 128)**

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- **HWMU 33 - Baker Sewage Lagoon**
 - **Start:** 11 Sep 00
 - **Completed Activities**
 - *MW-01 decommissioned*
 - *1600' - 4" & 8" pipe drained & removed*
 - *Sludge turned & placed in windrows*
 - *Berm & sludge sampled*
 - **Removed remaining pipe and splash pad**
 - **580 tons of sludge, 80 tons mixed with absorbent, and pipe T&D as RCRA waste to Idaho**
 - **3000 gallons of water and decontamination water T&D as RCRA waste**



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HWMU 33 Site Photo - Baker Sewage Lagoon



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HWMU 33 Site Photo - Baker Sewage Lagoon



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HWMU 33 Site Photo - Transport and disposal of lagoon sludge



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HWMU 33 Site Photo - Transport and disposal of lagoon sludge



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HWMU 33 Site Photo - Removal of wet lagoon sludge



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HWMU 33 Site Photo - Removal of lagoon pipe and splash pad



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HWMU 33 Site Photo - Clean Lagoon



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HWMU 33 Site Photo - Waste Drum Removal



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- **HWMU 33 - Baker Sewage Lagoon**
 - **Estimated Completion: 9 Feb 01**
 - **Remaining Field Activities**
 - **Transport & dispose poly tank as non-RCRA waste**
 - **Closure Report**

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- **HWMU 36 - Ditto Imhoff Tank**
 - **Start: 9 Oct 00**
 - **Completed Activities**
 - *Imhoff Tank - concrete core and sampled*
 - *Pump house and influent sump - sludge sampled*
 - *Eastern ditch sampled*
 - *Water diverted from west to east ditch*
 - **Sampled western ditch**
 - **Remove sludge drying bed & waste pile**
 - **Removed pump house, influent sump piping**
 - **Cleaned and backfilled pump house and influent sumps**
 - **Demolished Imhoff Tank to grade & backfilled**



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HWMU 36 Site Photo - Imhoff Tank & Pump House Foundation



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HWMU 36 Site Photo - Tank and Sludge Drying Bed



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HWMU 36 Site Photo - Cleaning inlet sump



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HWMU 36 Site Photo - Cleaning pumphouse sump



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HWMU 36 Site Photo - Removing distribution pipe



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HWMU 36 Site Photo - Excavating sludge drying bed



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HWMU 36 Site Photo - Sludge drying bed excavation complete



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HWMU 36 Site Photo - Imhoff tank with berms and piping removed



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HWMU 36 Site Photo - Imhoff tank roof demolished



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HWMU 36 Site Photo - Backfilling Imhoff tank



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HWMU 36 Site Photo - Imhoff tank demolished to grade



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HWMU 36 Site Photo - Backfilled Imhoff tank



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- **HWMU 36 - Ditto Imhoff Tank**
 - **Estimated Completion: 15 Feb 01**
 - **Remaining Field Activities**
 - **T&D 5000 gallons sump/vault water as RCRA waste**
 - **35 bins of waste (soil & piping) to be characterized and disposed**
 - **350 gallons of decontamination water to be characterized and disposed**
 - **Closure Report**



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- **HWMU 42 - Contractor's Landfill in English Village**
 - **Start:** 11 Sep 00
 - **Completed Activities**
 - *landfill boundary and depth identified*
 - *12 trenches completed and backfilled*
 - *16 samples collected*
 - submit FWV for soil gas survey based on trenching work



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HWMU 42 - Test Pits



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HWMU 42 - Test Pits



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- **HWMU 42 - Contractor's Landfill in English Village**
 - **Estimated Completion: 15 Feb 01**
 - **Remaining Field Activities**
 - collect soil gas samples

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- **HWMU 48 - Fries Park 3X Metal Storage Area**
 - **Start:** 28 Jan 01
 - **Completed Activities**
 - **Lead & Asbestos survey of buildings (6040 & 6042)**

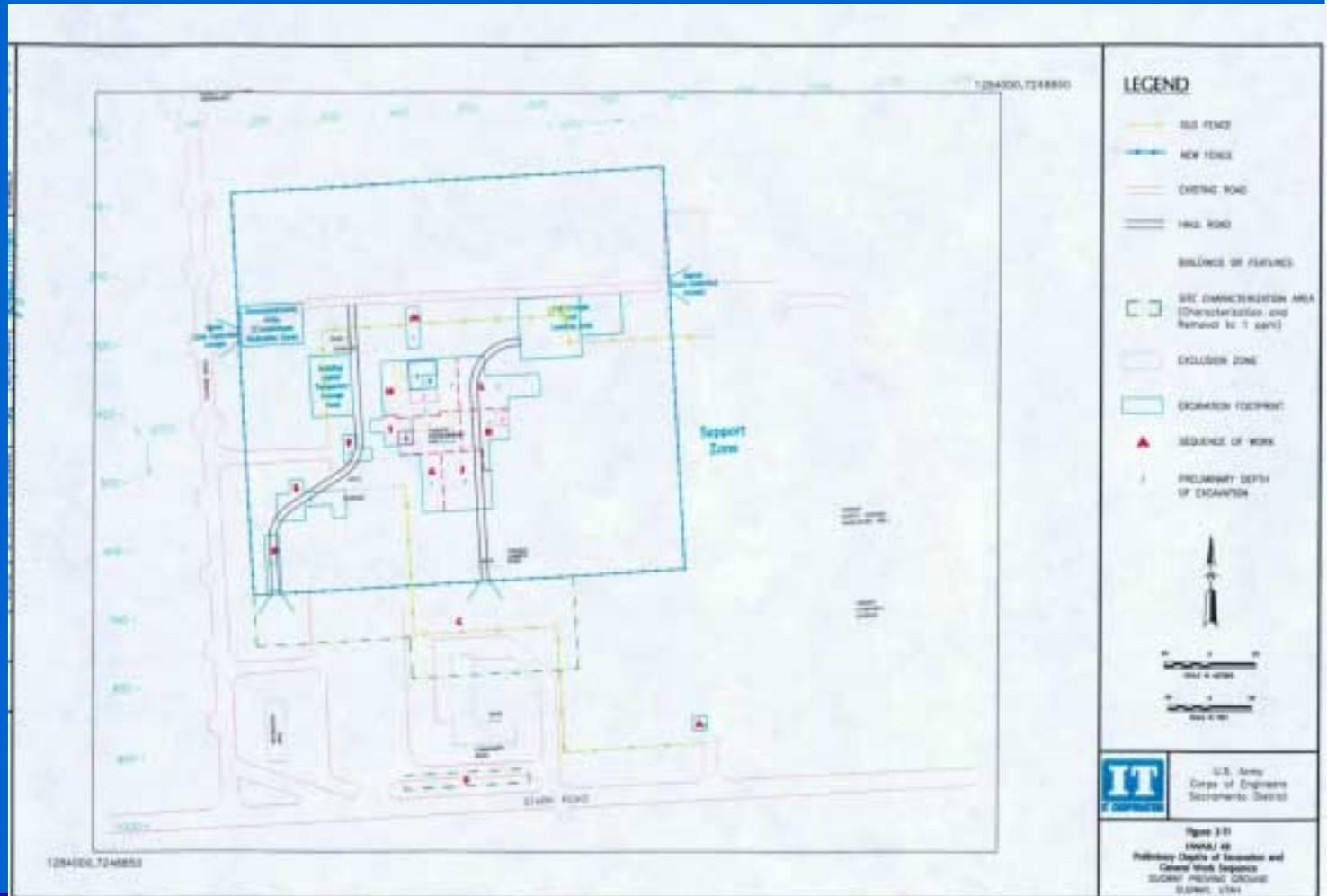
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HWMU 48 - Site Map (new)



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- **HWMU 48 - Fries Park 3X Metal Storage Area**
 - **Estimated Completion: 18 May 01**
 - **Remaining Field Activities**
 - **Move/reinstall power poles/communication lines**
 - **Survey/characterize soil outside proposed fence (<1 ppm PCBs)**
 - **Excavate soil > 1 ppm (2000 yd³), transport to inside fence**
 - **Demo buildings 6040 & 6042**
 - **Excavate soils > 50 ppm PCB (inside fence, 2000 yd³)**
 - **T&D building/soil waste**
 - **Backfill excavation**
 - **Fence site**



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- **HWMU 63-2 - Carr Facility Septic Tank and Leachfield**
 - **Start:** 8 Aug 00
 - **Completed Activities**
 - *video inspection and sampling of inlet pipe complete*
 - *septic tank characterized*
 - *drainfield sampled*
 - **Remaining Field Activities**
 - empty and clean septic tank
 - close in-place
 - **Estimated Completion:** 16 Apr 01



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- **Sumps (HWMUs 51, 58, 63-1, 128)**
 - **Start:** 8 Aug 00
 - **Completed Activities**
 - *waste characterized at HWMU 51, 58, and 128*
 - waste characterized at HWMU 63-1
 - clean sumps and T&D waste from each
 - **Remaining Field Activities**
 - Field activity report
 - **Estimated Completion:** 15 Mar 01



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- **Future Field Work**

- HWMU 128 (approved by UDEQ)
- HWMU 130 (approved by UDEQ)
- Groundwater investigation at HWMU 36, 37, and 38
 - (HWMUs 37 and 38 approved, waiting for approval on HWMU 36)
- Groundwater monitoring (March 01)



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- **HWMU 128 - Pesticide Storage Building, Septic Tank, and Leachfield**
 - **Closure Activities - additional soil samples in the leachfield, remove waste from septic tank, re-evaluate risk assessment**
 - ✓ **Submit Closure Plan to UDEQ**
 - ✓ **Submit Draft Work Plan to USACE and DPG**
 - ✓ **Submit Pre-Final Work Plan to UDEQ**
 - ✓ **Submit Final Work Plan**
 - ✓ **UDEQ Approval of Final Work Plan**
 - ⇒ **Start Field Work (estimated for 2/28/01)**
 - Revise Risk Assessment**
 - Submit Field Report**
 - Recommend Future Monitoring Requirements**
 - Remove from RCRA Permit**



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- **HWMU 130 - English Village Gas Station Sump and Drain Field**
 - **Closure Activities - Sump and drain line investigated and removed, soil sampling in drain field area south of road**
 - ✓ **Submit Closure Plan to UDEQ**
 - ✓ **Submit Draft Work Plan to USACE and DPG**
 - ✓ **Submit Pre-Final Work Plan to UDEQ**
 - ✓ **Submit Final Work Plan**
 - ✓ **UDEQ Approval of Final Work Plan**
 - ⇒ **Start Field Work (estimated for 2/28/01)**
 - Revise Risk Assessment**
 - Submit Field Report**
 - Recommend Future Monitoring Requirements**
 - Remove from RCRA Permit**



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- **Groundwater Investigation - (HWMU 36, 37, 38)**
 - Objectives
 - nature & extent of GW contamination
 - absence of DNAPL
 - confirmation of the confining clay layer
 - monitoring well network evaluation
 - supporting data for “no cover” option at HWMU 37
 - 82 CPTs (2 to 150’, others to 85’)
 - 203 Hydropunch



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- **Groundwater Monitoring**
 - *Reporting*
 - *Field Activity Report for May & Aug*
 - *Final Report for FY 00 by March 1, 2001*
 - *Nov 00 Sampling*
 - *HWMU 38 and regional water levels*
 - **Mar 01 Sampling**
 - **HWMUs 2, 38, 51, 55, 58 (5 sites, approx. 31 wells)**



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- **Site Closure Process**
 - Revised Risk Assessment
 - Closure Report
 - Post-Closure Permits (one permit for the site)
 - RCRA Permit Modification
- **Goals for FY01**
 - HWMU 33, 34, 36, 48, 130

