

Camp Navajo  
Stakeholder Advisory Group

Thursday, October 14, 2010  
10:00 am – 12:00 pm  
Camp Navajo Security Building 8  
Bellemont, AZ

**Summary**

**Members in attendance:**

Lee Luedeker, AGFD  
Randy Wilkinson, NGB  
Nicole Coronado, ADEQ  
Carrie Marr, USFWS  
Kurt Novy, City of Flagstaff  
Tina Williams, Coconino National Forest  
Karen Underhill, Community member

**Members absent:**

Tom Britt, Community member  
Shannon Clark, Coconino National Forest  
Matt Ryan, Community member  
LTC Mary Williams Lynch, Camp Navajo

**Interested Parties:**

Diana Deming, ADEQ  
Gavin Fielding, ADEMA  
MAJ John Ladd, ADEMA  
Janet Lynn, ADEMA

**Guests:**

Kathleen Anthony, MKM  
Dana Downs-Heimes, CH2MHill  
Marty Rozelle, The Rozelle Group

The following acronyms may be used throughout this document

ACUB	Army Compatible Use Buffer
ADEMA	Arizona Department of Emergency and Military Affairs
ADEQ	Arizona Department of Environmental Quality
AGFD	Arizona Game & Fish Department
AZARNG	Arizona Army National Guard
CERCLA	Comprehensive Environmental Response, Compensation, & Liability Act
COPC	Contaminants of Potential Concern
DD	Decision Document
DoD	Department of Defense
EDMS	Electronic Data Management System
EE/CA	Engineering Evaluation/Cost Analysis
ERA	Ecological Risk Assessment
HHRA	Human Health Risk Assessment
IAP	Installation Action Plan
IRP	Installation Restoration Program
HERA	Human Health & Ecological Risk Assessment
LTM	Long Term Management
LUC	Land Use Controls
MAMMS	Multiple Award Military Munitions Services
MAP	Management Action Plan
MC	Munitions Constituents
MD	Munitions Debris
MDAS	Material Documented as Safe
MEC	Munitions and Explosives of Concern
MPPEH	Munitions Potentially Presenting an Explosive Hazard
MRWA	Munitions Response Work Areas
MWP	Master Work Plan
NAAD	Navajo Army Depot

NAU	Northern Arizona University
NGB	National Guard Bureau
NR-SRLS	Non-Residential Soil Remediation Levels
OB/OD	Open Burn/Open Detonation
ODP	Open Detonation Pit
PCP	Post Closure Plan
ppb	Parts Per Billion
QA	Quality Assurance
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RC	Response Complete
RIP	Remedy in Place
ROD	Record of Decision
SAG	Stakeholder Advisory Group
SRL	Soil Remediation Level
SVOC	Semi-volatile Organic Compounds
TPP	Technical Project Planning
TPH	Total Petroleum Hydrocarbons
USEPA	U.S. Environmental Protection Agency
USFS	U.S. Forest Service
USFWS	U.S. Fish & Wildlife Service
USGS	U.S. Geological Survey
UXO	Unexploded Ordnance
VOC	Volatile Organic Chemicals

**1. Welcome, Announcements and Action Items from June 2010 SAG Meeting**

2011 SAG meetings are expected for February and June. The June meeting will most likely be the last, and celebration ideas are welcome.

Photos were shown of the damage caused by the tornadoes on October 5, 2010. While extensive damage was incurred by the houses on the north side of I-40, the RV business on the south side and the derailing of 20 train cars, no serious damage was incurred at Camp Navajo. Kurt Novy reported that the City of Flagstaff and Coconino County are working closely with FEMA to stabilize the mountain after the Schulz Fire. Flooding washed out the pipeline and roadway.

**2. MEC Field Work Update**

Dana Downs-Heimes of CH2M HILL updated the group on the status of several items. Her entire presentation is on the websites:

- Open Detonation Disposal of MEC
- Completion of MD Management Project
- Completion of Soil Stockpile Management
- MRWA 02 Vadose Zone Monitoring

Open detonation. The final blow-in-place open detonation event of all remaining MEC occurred June 14-15, 2010. Eight unsafe-to-move and unsafe-to-store and 3,067 MEC and MDEH recovered during May 24-June 11, 2010 final field operations MEC were detonated. Assuming this is our last event, more than 11,000 items will have been blown up. A pair of Mexican Spotted Owls were observed more than ½ mile from the work area, just before that day's detonation event. No harm done.

MD Management Project Completion. Field activities, suspended in late 2009 due to deep snow, were resumed May 24 and completed June 16, 2010. Following collection, all MD was transferred to a central inspection and segregation area. Every piece of MD was inspected, re-inspected, certified by subcontractor Zapata and independently verified by CH2M HILL. All

segregated, inspected, certified and verified MD was placed in secured and sealed bins at Pad 1 and NAAD 09C. All MD shredding and smelting operations were completed August 9, 2010. In summary, at Pad 1:

- 214,323 pounds of MDAS were recovered and inspected
- 35,470 pounds of range-related debris were recovered and inspected
- 36.3 tons shaped MDAS were shipped to California Metal X and Timberline Environmental Services for shredding and smelting
- 70.9 tons MDAS fragments were shipped to CMX for smelting
- 17.7 tons of RRD were shipped to Page Steel for direct recycle

For MD segregated at NAAD 09C:

- 36,030 pounds of MDAS were recovered and inspected
- 439,560 pounds of range-related debris were recovered
- 18 tons shaped MDAS and MDAS fragments were shipped to California Metal X and Timberline Environmental Services for shredding and smelting
- 219.8 tons RRD were shipped to Page Steel for direct recycle

These quantities do not include the 70+ tons of debris Brown and Caldwell pulled from the pile during their work in 2004 and 2005.

Soil Stockpile Management. Field Operations Summary:

- Soil sieving operations completed Nov 17, 2009
- Laboratory analysis indicates soil chemical constituents in all sieved soil batches below AZ NR-SRLS
- Total 26 Open Detonation Pits backfilled
- NAAD 09B removal action area backfilled
- Open Detonation Pit-127 backfilled (former disposal pit).
- All open detonation pit backfill operations completed June 2, 2010

**Confirmation Soil Sampling** was done on June 22-23, 2010 beneath original soil stockpile footprints; former areas of soil sieving; former soil batch staging areas; and metal segregation and consolidation areas. Samples were analyzed for: TPH, VOCs, SVOCs, pesticides, explosives, metals, dioxins and furans, PCBs, white phosphorous, and perchlorate.

#### **Confirmation Soil Sampling Results**

- Soil sample analytical results are currently being evaluated to determine whether data quality objectives for precision, accuracy, representativeness, completeness and comparability were met. Results will be summarized in a Field Operations Technical Memorandum.
- Analytical results from processed soil batches and samples taken from the soils beneath the former NAAD 02 stockpiles will be incorporated into the final NAAD 02 risk assessment.
- Risk assessment results will be used to support the NAAD 02 Decision Document for site-related chemical constituents.

**Investigation Derived Waste Management** of materials recovered during soil sieving operations included: smoke canisters; dried paint waste; red smoke powder with soil; and drummed wastes from previous investigations (oily water and construction debris with soil).

- 15.4 tons of expended smoke canisters were inspected, re-inspected, and verified for waste characteristics. Canisters were transported and disposed under non-hazardous waste manifest to Waste Management Painted Desert Landfill (Joseph City, AZ) as non-regulated material on June 29, 2010.

- 400 unspent canisters inspected, re-inspected, verified and transported under hazardous waste manifest to Clean Harbors in Colfax, LA. Thermal treatment and disposal completed July 8, 2010.
- Two 55-gallon drums of dried paint waste (shipped March 4, 2010) and one 30-gallon drum (shipped June 28, 2010) to Clean Harbors Environmental Services in Aragonite, Utah for treatment and land disposal in Subtitle C landfill.
- Three drums of Red Smoke Powder and construction debris with soil were transported under non-hazardous waste manifest to Waste Management Painted Desert Landfill (Joseph City, AZ) as non-regulated material, on June 29.
- Two drums of oily water were transported under non-hazardous waste manifest to Thermo Fluids, Inc. (Phoenix, AZ) as non-regulated material.

Site restoration activities also include repairs and grading of access roads and seeding operations to reestablish natural vegetation in the work areas, using Camp Navajo-required upland seed species.

#### MRWA 02 Vadose Zone Monitoring Project.

The Final Year One Summary Report was submitted to ADEQ September 29, 2010. Year 2 Monitoring Plan is underway. The first period was completed May 2010, and these data results are currently being validated. The second period captured the percolation from the monsoon rains and was completed August 12, 2010. Analytical results are currently being validated.

### **3. OB/OD Area Update**

All field work is complete. Numerous documents are in various stages of review. The OD and Vadose Zone reports are final. The Soil Management After Action Report is on Randy's desk. The Decision Document for five long term management sites in the non-OB/OD Area IRP areas is close to being finished. A lot of paperwork and final reports are still to be completed, but the site closure should be accomplished in 2011.

### **4. Community Engagement Successes Presentation**

Randy Wilkinson and Nicole Coronado are scheduled to deliver a presentation on "Successful Strategies for Community Engagement at Federal Facilities" in late October at the annual conference of the Association of State and Territorial Solid Waste Management Officials. They conducted a "dry-run" of their presentation for SAG members and received helpful feedback.

A copy of this presentation can be found on the websites.

### **5. Call to the Public**

No one from the public asked questions or made comments.

### **6. Next SAG meeting**

The next SAG meeting will be Thursday, February 10, 2011 from 10 a.m. to 12 noon.