

Camp Navajo
Stakeholder Advisory Group

Thursday, June 11, 2009
Camp Navajo Security Building
Bellemont, AZ

Summary

Members in attendance:

Shannon Clark, Coconino National Forest
Nicole Coronado, ADEQ
Shaula Hedwall, USFWS
Lee Luedeker, AGFD
LTC Adrian Nagel, Camp Navajo
Kurt Novy, City of Flagstaff
Karen Underhill, Community member
Randy Wilkinson, NGB

Members absent:

Tom Britt, Community member

Interested Parties:

Diana Deming, ADEQ
Gavin Fielding, ADEMA
Carrie Marr, USFWS
Wayne Miller, ADEQ
MAJ Brian Saunders, NGB

Guests:

Robert Best, interested citizen
Don Bills, USGS
Brad Hill, City of Flagstaff
Dana Downs-Heimes, CH2MHill
John Kim, Brown & Caldwell
Michael Rice, AGFD
Marty Rozelle, The Rozelle Group

The following acronyms may be used throughout this document

ADEMA	Arizona Department of Emergency and Military Affairs
ADEQ	Arizona Department of Environmental Quality
AGFD	Arizona Game & Fish Department
AZARNG	Arizona Army National Guard
BRAC	Base Realignment and Closure
CDC	Contained Detonation Chamber
CERCLA	Comprehensive Environmental Response, Compensation, & Liability Act
CEHNC	Corps of Engineers Huntsville Engineering and Support Center
COPC	Contaminants of Potential Concern
DoD	Department of Defense
EDMS	Electronic Data Management System
EE/CA	Engineering Evaluation/Cost Analysis
ERA	Ecological Risk Assessment
FOASA	Former Open Air Storage Area
FRA	Final Removal Action
FSP	Field Sampling Plan
FWPDBA	Former White Phosphorous Detonation and Burn Area (Chemical Canyon)
HHRA	Human Health Risk Assessment
IAP	Installation Action Plan
IRA	Interim Removal Action
IRP	Installation Restoration Program
HERA	Human Health & Ecological Risk Assessment
LTM	Long Term Management
MAP	Management Action Plan
MC	Munitions Constituents
MD	Munitions Debris

MEC	Munitions and Explosives of Concern
MPPEH	Munitions Potentially Presenting an Explosive Hazard
MRA	Munitions Response Area
MRS	Munitions Response Site
MRWA	Munitions Response Work Areas
MWP	Master Work Plan
NAAD	Navajo Army Depot
NAU	Northern Arizona University
NGB	National Guard Bureau
OB/OD	Open Burn/Open Detonation
ORS	Ordnance Related Scrap
PBC	Performance Based Contract
PCP	Post Closure Plan
ppb	Parts Per Billion
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RC	Response Complete
RI/FS	Remedial Investigation/Feasibility Study
RIP	Remedy in Place
ROD	Record of Decision
SAG	Stakeholder Advisory Group
SRL	Soil Remediation Level
SSHP	Site Safety and Health Plan
TPP	Technical Project Planning
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
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
WMM	Waste Military Munitions

1. Welcome, Introductions and Announcements

Lee Luedeker welcomed everyone to the meeting and asked them to introduce themselves. Coconino County Supervisor Matt Ryan has agreed to fill the vacant community member spot on the SAG. He was unable to make this meeting.

This meeting summary and most of the PowerPoint presentations made at this SAG meeting are posted on the two project websites. <http://www.CampNavajoEnvironmental.org> and <http://www.azdeq.gov/environ/waste/sps/state.html>.

2. Report on Groundwater Studies in Williams and Flagstaff Area

Don Bills, hydrologist with the U.S. Geological Survey, presented the results of extensive studies of ground-water conditions in the regions north of Flagstaff and Williams. The study areas include large federal land interests or Native American tribal lands. All the water in this area comes from precipitation and occurs mostly in the higher elevations. However this area has a high evaporation rate and has to contend with large scale wet and dry periods. There has been a significant drought cycle since the later 1990's, which is developing a long-term deficit that will take decades to replace.

Change in the overall amounts of storage capacity is occurring, and water levels have declined two to five feet throughout the study area. Don invited the SAG members to contact him directly (DJBills@usgs.gov) if they had questions.

3. MEC Surface Removal Project and Vadose Zone Monitoring

Dana Downs-Heimes, CH2MHill, discussed the MEC surface removal activities and the vadose zone monitoring program at MRWA 02. The MEC surface removal and QC inspection began in mid-April. As of June 5, 2009 the removal status was 70% complete:

- 319 grid cells swept for MEC by subcontractor
- 308 grid cells inspected/passed for QC by CH2M HILL
- 294 Grid cells inspected and approved by government oversight representative (CEHNC)

During this time period 506 MEC have been recovered. QA and QC inspections will be completed by July 15.

The vadose zone is the area lying between the earth's surface and the water table. Twenty shallow wells have been installed and are being monitored for infiltration of precipitation to assess the potential for migration of munitions constituents in the vadose zone. Monitoring and sampling events were completed in February, March, April, and May 2009. The purpose of the hydrographic monitoring is to assess the relationship between precipitation events and changes in well water levels. Since February, 11 wells have had measurable water. These results show the correlation between snowmelt and shallow ground-water percolation. Saturated conditions exist only for a short time during snowmelt percolation.

The primary Contaminants of Potential Concern (COPCs) are: perchlorate and explosives. The secondary COPCs are: nitrate, semi-volatile organic compounds, and metals. Only preliminary results for these contaminants collected from these wells in March and April are available.

Water level monitoring will continue through the end of the year. In June the groundwater will be purged from all wells. From June through September primary COPCs samples will be collected from wells with water following the first significant monsoon precipitation. Secondary COPC samples will be collected from wells in which secondary COPCs were not previously sampled.

4. NAAD 02 and 09C Removal Actions

John Kim, Brown and Caldwell, updated the group on NAADs 02 and 09C removal actions. The Final NAAD 02 After Action Report was approved by ADEQ in February 2009. The removal action is complete. The main focus in the past month has been on management of on-site soil. Site mobilization activities began the week of May 11 with a kick-off meeting, construction of staging areas and storm water controls, and implementation of dust controls. Large metal debris, such as metal banding, was pulled from the stockpile during the week of May 18. Soil processing and screening started May 26.

As of June 10, 2500 cubic yards of soil at NAAD 09C has been processed. Composite samples collected from each 500-cubic yard batch of screened soil are being analyzed. Those SAG members who took the afternoon field trip were able to see this operation after the work ended for the day.

5. OB/OD Area Program Update

MAJ Brian Saunders, OB/OD Area Program Manager, provided an OB/OD Area Program Update. MAJ Saunders announced that his tour of duty at Camp Navajo will end July 31, 2009. Since the OB/OD Area closure process is nearing the end, the Camp Navajo position will not be replaced, and LTC Bill Myer will continue to monitor the project from NGB Headquarters. Randy Wilkinson will remain, and his responsibilities as the Western Region IRP Manager will expand as Camp Navajo activities decrease. Ultimately, the NGB will leave Camp Navajo, and the remaining environmental management responsibilities will revert to AZARNG. The plan is to give AZARNG a five-year lead time before they must assume funding and management responsibilities.

Site Closure Status: The following table summarizes the status of all sites as of June 11, 2009. Items in red are changes since the February 2009 SAG meeting (* = preliminary verbal approval).

Site	Type	Contractor	Fieldwork	RI/RSE	HHRA	ERA	DD/PP	DD
01	CERCLA	MKM	Complete	Final	___	Final	Done	<u>FINAL</u>
02	RCRA	B&C	Complete	Final	Future	Future	<u>Future</u>	<u>Future</u>
03	CERCLA	B&C	Complete	Final	___	Final	Done	<u>Draft</u>
04	CERCLA	MKM	Complete	Final	___	Final	Done	<u>FINAL</u>
05	RCRA	AMEC	Complete	Final	Final	Final	Future	<u>Draft</u>
06	RCRA	AMEC	Complete	Final	Final	Final	Future	<u>Draft</u>
07	CERCLA	MKM	Complete	Final	Final	Final	Done	<u>FINAL</u>
08A	CERCLA	MKM	Complete	Final	___	Final	Done	<u>FINAL</u>
08B	RCRA	AMEC	Complete	Final	Final	Final	Future	<u>Draft</u>
09A	CERCLA	MKM	Complete	Final	___	Final	Done	<u>FINAL</u>
09C	RCRA	B&C	Complete	Final	___	___	Final	<u>ESD</u>
09D	RCRA	AMEC	Complete	Final	___	Final	Future	<u>Draft</u>
10	CERCLA	MKM	Complete	Final	___	Final	Done	<u>FINAL</u>
13	RCRA	B&C	Complete	Final	Final	___	Done	<u>Draft</u>
20	CERCLA	B&C	Complete	Final	Final	___	Future	<u>Future</u>
E76	CERCLA	MKM	Complete	Final	___	___	Done	<u>FINAL</u>

MRWA	Type	Investigation	Removal	RI	EE/CA	PP	DD
01	CERCLA	Complete	Complete	Final	<u>Final*</u>	<u>Draft</u>	<u>Draft</u>
02	RCRA	Complete	Ongoing	Final	<u>Draft</u>	Future	Future
20	CERCLA	Complete	---	Final	<u>Final*</u>	<u>Draft</u>	<u>Draft</u>

Chemical Decision Documents

Decision Document has been completed for:

- NAAD 09C (an explanation of significant differences is in preparation)
- The 7 OB/OD Area CERCLA Sites - Final

DD's undergoing regulatory review:

- NAAD 03 (B and C) – Draft Final (Final comments to ADEQ next week)
- The 4 OB Sites (AMEC sites) – Draft Final is being reviewed by ADEQ
- NAAD 13 (B and C) – Draft Final is being reviewed by ADEQ

DD's have been prepared for:

- The 5 "IRP LTM Sites" (B and C) – Client Draft is being reviewed by NGB
- The 28 "IRP Buyout Sites" (B and C) – Client Draft is being reviewed by NGB

DD's are being prepared for:

- The 18 "IRP Non-Buyout Sites" (B and C) – Client Draft to NGB in July

DD's will be prepared for:

- The 7 "IRP Ineligible Sites" (contractor?) – Proposals due to Baltimore COE 7/2/09
- NAAD 02 (contractor?) – Proposals due to Baltimore COE 7/2/09

Munitions Related Decision Documents

Proposed Plan's and DDs have been prepared for:

- MRWA 01 and 20
- MRWA 02 (CH2M Hill)
 - Need to finish EE/CA first

Program schedule

Spring 2009

- Finalize EE/CA's
 - MRWA 20 (Final*)
 - MRWA 01 (Final*)
 - MRWA 02 (Client Draft under review by NGB)
- MRWA 01/20 Proposed Plan/Decision Document
 - Client Draft is being reviewed by NGB
- MRWA 02 Proposed Plan/Decision Document
 - Once EE/CA is finalized

Summer 2009

- Complete Fieldwork at MRWA 02 and NAAD 02/09C
 - End of June for MRWA 02 Removal Action
 - End of July for NAAD 02/09C Soil Management Project
- MD Management Project to start once fieldwork is completed (Proposals due to Baltimore COE 7/2/09)
 - Contract should be awarded by end of July
- Fence Removal ("Inner Fence")
 - Work is ongoing

Fall 2009

- Prepare After Action Reports
- Continue to process DD's and other documents
- Contract LTM for the "5 IRP Sites" (ER,A Funds)

- NAAD's 11B, 14D, 14G, 40 & 43
- SOW completed and submitted to AEC/NGB
- MKM contract completed Dec 2010
- Need new contract for 2011-2015

Winter 2009

- Finalize After Action Reports, DD's
- Final Open Detonation Event
 - MEC recovered from Summer 2009 fieldwork
- Prepare RCRA Post Closure Permit Application

Spring 2010

- Finalize After Action Reports, DD's

Summer 2010

- Negotiate RCRA Post Closure Permit
 - Vadose Zone Monitoring
 - Municipal Well Monitoring
 - Signage
 - Post Closure LUC's
 - Inspections
 - MRWA 02 and "NAAD 01"
 - 5 Year Reviews
 - MRWA 02, 01 & 20
 - Use O&M Funds
- Contract RCRA PCP Activities (O&M Funds)
 - 5 Year Review, Monitoring and Sampling

Fall 2010

- CERCLA Closure
- RCRA Post-Closure Care
 - Installation and implementation of Land Use Controls

6. Call to the Public

No one from the public asked questions or made comments.

7. Next SAG meetings

The next SAG meeting will be October 8, 2009 from 10:00 am until 12 noon.

LTC Nagel, Camp Navajo Base Commander thanked SAG members for the good work they have done. He also thanked Randy and MAJ Saunders for their leadership. Camp Navajo is set to be the premier National Guard training center in the southwest. The training mission will continue to grow. He specifically talked about the importance of this cleanup for the future of Camp Navajo. All pre-mobilization tasks for the southwest region of the US will be done at Camp Navajo, and eventually, Camp Navajo will become one of the mobilization sites.

Camp Navajo is a strategic site for storage. They have 800 igloos and only 1/3 are occupied. For example the U.S. Navy may bring in all of their D-5 missiles when they pull them out of the submarines.

Enhanced Use Leasing (EUL) is another big part of Camp Navajo's future. Within the next year, leases will be signed between COE and developers. Recently the developers briefed the county and said there are 6 potential tenants for the EUL. Development will require infrastructure upgrades. One of the potential tenants is a water distribution company.

July 24, 2009 is LTC Nagel's change of command. He will be replaced by LTC Mary Williams.