

Camp Navajo
Stakeholder Advisory Group

Thursday, June 12, 2008
Coconino Forest Offices
Flagstaff, AZ

Minutes

Members in attendance:

Tom Britt, community member
Nicole Coronado, ADEQ
Lee Luedeker, AGFD
Karen Underhill, community member
Randy Wilkinson, NGB
Tina Williams, Coconino National Forest

Members absent:

Shannon Clark, Coconino National Forest
Shaula Hedwall, USFWS
Glenn Morrison, community member
LTC Adrian Nagel, Camp Navajo
Kurt Novy, City of Flagstaff

Interested Parties:

Diana Deming, ADEQ
Gavin Fielding, ADEMA
Zack Reichold, AZDEMA
Pete Tosi, Camp Navajo

Guests:

Kate Anthony, MKM Engineers
Ben Butler, citizen
Pierce Chamberlain, citizen
Ken Greene, CH2MHill
John Kim, Brown & Caldwell
Randy Rose, CH2MHill
Matt Ryan, Coconino County Board of
Supervisors
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 and 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 opened the meeting by welcoming the members of the public and asking everyone to introduce themselves. There were no action items from the February meeting.

2. *Elk Dynamics along I-17 and I-40 Corridors*

Jeff Gagnon, a research biologist from the AGFD, provided an overview of the State Route 260 wildlife-vehicle relationships research project, ongoing since 2002. He highlighted Arizona Department of Transportation's integration of eleven wildlife underpasses, six bridges, and fencing into the phased highway upgrade to reduce the incidence of wildlife-vehicle collisions and maintain wildlife permeability. He also described the work being done along I-17 and I-40. Wildlife crossings are more limited on these highways due to the traffic speed.

Jeff described ongoing construction adaptive management with ADOT to improve the effectiveness of underpasses and develop fencing strategies, as well as their application of GPS telemetry and video surveillance technology to assess use of underpasses and permeability. ADOT and AGFD enjoy a national reputation in research and mitigation of wildlife-vehicles collisions.

3. MEC Surface Removal Project

Ken Greene, CH2MHill, provided a status report on the MEC Removal Project. His presentation can be reviewed on the project website. The characterization of MEC distribution is complete for the Pyrotechnic Range and Old EOD Demolition and Detonation Areas. ADEQ concurrence has been received for NAADs 20, 01, and 02/03.

2007 Project activities are summarized below:

Total Grids	Grids Swept	QC/QA Inspected	MEC Found	Date Completed
MRA 01 MRS C				
119	119	119	11	Nov 27, 2007
MRA 01 MRS B				
42	42	42	43	Dec 5, 2007
MRA 01 PSA/OD Pit #10 (EMM)			0	Dec 6, 2007
MRA 01 MRS A				
82	82	82	39	Dec 5, 2007
MRA 02 MRS C-South				
167	167	167	25	Dec 12, 2007

ADEQ and CEHNC have commented on the draft MEC removal reports and final report submittal is pending.

2008 Project Activities. The surface removal fieldwork for MRA 02, MRS B, and MRS A2 will start in mid- to late July. Soil stockpile management for the Soil Management Work Plan for NAADs 02/09B and 09C will be submitted to ADEQ soon. A contractor pre-bid site walk was conducted May 12 – 14, 2008.

The RCRA Post-Closure Plan, which establishes criteria for post-closure care and monitoring of waste in place, has been submitted to the NGB. The Draft EE/CA Report for the Pyrotechnic Range has been submitted to NGB. The Draft Old EOD Range and Open Detonation Area EE/CAs are in preparation. Public review and comment on the proposed remedy will be solicited and incorporated into the final decision for ADEQ approval.

4. NAAD 02 and 09C Removal Actions

John Kim, Brown and Caldwell, updated the group on the NAAD 02 and 09C removal actions. The PowerPoint presentation is posted on the project website.

NAAD 02 is a 200-acre site where demilitarization of munitions by open detonation and burning occurred from the 1940s to 1994. The revised human and ecological risk assessments were completed in August 2007 and confirmed no significant residual risks. Approximately 1800 cubic yards of excavated soil will be managed on site. 1300 cubic yards of soil were disposed off-site due to elevated lead concentrations that exceed the non-residential soil remediation level (SRL). The ADEQ is reviewing the final draft of the After Action Report.

NAAD 09C is a 2.1 acre site used for burning and consolidation of burned materials from the 1940s through the 1990s. Site clean-up activities have been continuing since 2004 and have been reported in past SAG meetings. NGB is preparing additional responses to ADEQ comments on the Draft Removal Action Completion Report.

Off-site soil management activities were completed in December 2007, and approximately 1,100 cubic yards of soil was transported off-site for disposal at Painted Desert Landfill in Joseph City. Recovered MEC were disposed of during demolition operations in February 2008. Other MPPEH, such as non-spent smoke canisters, are being stored in metal containers on-site pending completion of on-site soil management activities.

About 11,600 cubic yards at NAAD 09C and 1,700 cubic yards at NAAD 02 of excavated soil are temporarily stockpiled on site. The Work Plan detailing the on-site stockpiled soil management activities will be submitted to ADEQ in June 2008. A revised "Explanation of Significant Differences" (ESD) that documents changes made to the DD will be submitted to ADEQ for approval. A notice of availability of the ESD will then be published in the local Flagstaff newspaper. No public comment period is required. Field activities are anticipated to begin in July or August 2008

5. **OB/OD Area Program Update**

Randy Wilkinson, NGB/ICI Services, provided an OB/OD Area Program Update and the PowerPoint presentation is posted on the project website.

Site Closure Status: The following table summarizes the status of all sites as of June 12, 2008. Bold text indicates a change from the status presented at the February SAG meeting. All four Open Burn sites – 05, 06, 08B, and 09D - can move forward to the proposed plan and ROD phases. The Munitions Response Work Area (MRWA) is a new designation for the previous Military Munitions Response Program (MMRP) and Munitions Response Area (MRA). Since Camp Navajo is a RCRA-permitted industrial operation and active training range, MRWA is a more accurate label.

Site	Type	Investigation	Removal	RI	HHRA	ERA	DD	PP	ROD
01	CERCLA	Complete	Complete	Final	___	Final	Draft	N/A	Draft
02	RCRA	Complete	Ongoing	Final	Future	Future	N/A	Future	Future
03	CERCLA	Complete	___	Final	___	Final	Draft	Future	Future
04	CERCLA	Complete	Complete	Final	___	Final	Draft	N/A	Draft
05	RCRA	Complete	Complete	Final	Final	Final	N/A	Future	Future
06	RCRA	Complete	___	Final	Final	Final	N/A	Future	Future
07	CERCLA	Complete	Complete	Final	Final	Final	Draft	N/A	Draft
08A	CERCLA	Complete	Complete	Final	___	Final	N/A	Future	Draft
08B	RCRA	Complete	___	Final	Final	Final	Draft	Future	Future
09A	CERCLA	Complete	___	Final	___	Final	Draft	N/A	Draft
09C	RCRA	Complete	Ongoing	Final	___	___	Final	N/A	ESD
09D	RCRA	Complete	___	Final	___	Final	Draft	Future	Future

Site	Type	Investigation	Removal	RI	HHRA	ERA	DD	PP	ROD
10	CERCLA	Complete	___	Final	___	Final	Draft	N/A	Draft
13	RCRA	Complete	___	Final	Final	___	Draft	Future	Future
20	CERCLA	Complete	___	Final	Final	___	N/A	Future	Future
E76	CERCLA	Complete	___	Final	___	___	Draft	N/A	Draft

MRWA	Type	Investigation	Removal	RI	EE/CA	PP	ROD
01	CERCLA	Complete	Complete	Final	Future	Future	Future
02	RCRA	Complete	Ongoing	Final	Future	Future	Future
20	CERCLA	Complete	---	Final	Future	Future	Future

Records of Decision.

- Decision Document has been completed for:
 - NAAD 09C (an explanation of significant differences is in preparation)
- ROD is undergoing regulatory review:
 - The 7 OB/OD Area CERCLA Sites (MKM sites)
- RODs will be prepared for:
 - The 4 OB Sites (AMEC sites)
 - The 28 "IRP Buyout Sites" (B&C)
 - The 18 "IRP Non-Buyout Sites" (B&C)
 - The 7 "IRP Ineligible Sites" (B&C)
 - The 5 "IRP LTM Sites" (B&C)
 - NAAD 02 (B&C)
 - NAAD 03 (B&C)
 - NAAD 13 (B&C)
 - Each of the 3 MRWA Sites (CH2M Hill)
- Proposed Plans will be prepared for all
 - Except for the MKM ROD

Program schedule

Summer 2008

- Complete NAAD 02/09C Soil Management Work Plan
- Begin MEC surface removal fieldwork
- Remove fence around Railroad Tank and Metz Tank
- Prepare EE/CAs for MRWAs 20, 01, and 02.

Fall 2008 – Winter 2009

- Prepare After Action Reports
- Finalize EE/CAs
- Proposed Plans and RODs
- Explosives Safety Submission for "Final Response" to DoD Explosives Safety Board
- Improved Conventional Munitions Waiver amendment to Army Director of Safety

Spring 2009

- Finalize all ROD's
- Submit RCRA Post-Closure Permit Application
 - Includes the RCRA Post-Closure Plan

Summer 2009

- Complete Final Remedy at MRWAs
 - Work stipulated in EE/CAs or RODs
 - i.e. NAAD 03 Surface/Sub-surface MEC sweep
 - i.e. 2' bls MEC sweep for firebreak along road
 - Installation and implementation of Land Use Controls (signs, boundary surveys)

Fall 2009

- CERCLA Closure
- RCRA Post-Closure Care

Future Land Use. NGB will assume that all the land will be used for dismounted training activities. The training and storage mission will continue, and NGB anticipates more use in this area. Grazing is no longer an anticipated future land use at Camp Navajo. Other uses such as hunting and timber harvesting may continue if they don't interfere with the training mission.

Programmatic Controls. The AZARNG is required to operate and manage Camp Navajo according to DoD and Army regulations. The AZARNG implements these regulations as part of their training lands management, and NGB provides support and oversight to ensure that they are doing so.

Land Use Controls. Specific elements of Post-Closure Care may include land use controls, ground-water monitoring, recurring reviews, and reports. The projected timeline for completion of all remediation activities is the end of 2009. That is the end of committed funding from Army.

6. Call to the Public

Supervisor Ryan commented that Coconino County has a new Rural Planning Area tool which could be useful to protect the corridor area around Camp Navajo. Zack Reichold added that Camp Navajo must comply with the Army Compatible Use Buffer Program.

Gavin Fielding told the group that ADEMA is preparing a request for proposals for an archivist to "mothball" the IRP program. When completed, a single document will be available for anyone to read and know what has happened.

7. Next SAG Meeting

The next two SAG meetings will be held on: October 9, 2008 and February 12, 2009. A suggestion was made to invite Don Bills, USGS Regional Hydrologist, to speak about the results of recent research on regional aquifer conditions in the Camp Navajo area. Randy will contact him.