

Marine Corps Installations East-Marine Corps Base Camp Lejeune (MCIEAST-MCB CAMLEJ) Restoration Advisory Board (RAB) Meeting Minutes

MEETING DATE: May 24, 2012

LOCATION: Coastal Carolina Community College, Business Technology Building, Room 102 in Jacksonville, North Carolina

ATTENDEES:

Charity Rychak/MCIEAST-MCB CAMLEJ	Michael Curtis/RAB Member
Dave Cleland/NAVFAC Mid-Atlantic	Lt. Sarah Burns/MCIEAST-MCB CAMLEJ
Gena Townsend/EPA Region 4	Capt Brian Woodall/MCIEAST-MCB CAMLEJ
Randy McElveen/NCDENR	Thomas Mattison/RAB Member
Laura Bader/RAB Co-Chair	Karen Sota/RAB Member
Aimee Findlay/Court Reporter	Matt Louth/CH2M HILL
Leonard McAdams/RAB Member	Kim Henderson/CH2M HILL
Steven Thompson/RAB Member	Scott Powell/Rhea

FROM: Kim Henderson/CH2M HILL

DATE: June 4, 2012

I. Welcome and Introductions

Ms. Rychak began the meeting and reviewed the agenda.

II. Public Meeting for Installation Restoration (IR) Site 89 Proposed Remedial Action Plan (PRAP)

The PRAP topic was presented by Mr. Louth. A North Carolina Court Reporter recorded minutes on the public meeting that are submitted separately. A handout of the PRAP was made available with information on the public comment period.

III. RAB Business

Charity noted that there is a new Commanding General, BGen Gorry who has instituted a Base name change to Marine Corps Installations East-Marine Corps Base Camp Lejeune (MCIEAST-MCB CAMLEJ).

Nick Schultz left the Base to pursue employment opportunities with the Department of the Interior at the Hoover Dam.

Elections for the RAB Co-Chair position were held and Michael Curtis was elected.

Charity requested input on information distribution. The RAB agreed that meeting notifications via email, letters, and phone calls and posting minutes on the website are sufficient.

As a follow-up to the previous meeting, the RAB questioned what colleges and universities we are working with and whether they could be contacted and involved in the process as an academic opportunity. Charity contacted Dr. Susan Cohen and this is possible through Environmental Security Technology Certification Program (ESTCP)

([http://www.serdp.org/Program-Areas/Environmental-Restoration/\(list\)/1/](http://www.serdp.org/Program-Areas/Environmental-Restoration/(list)/1/)) who the Base has worked with on projects.

Ms. Rychak proposed the next RAB date for Thursday, August 16, 2012 and requested topics for the next meeting. A follow-up Verona Loop presentation was suggested. Topic suggestions may be presented to Ms. Rychak after the meeting. A site visit will be planned for the November 2012 meeting.

IV. Munitions Response Program (MRP) Site UXO-25, Verona Loop

Objective: The purpose of this agenda item was to provide site background, present the investigation approach for a Preliminary Assessment/Site Inspection (PA/SI), and discuss schedule.

Overview: Mr. Louth reviewed the site background. UXO-25 is located in the Verona Loop area west of US Route 17. The 25-acre area used to be located within the Base fence; however, when US Route 17 was re-routed in the 1990s, the area is located outside of the Base fence but still within Base property. Within the investigation area, two former ranges, Impact Area "M" (1941-1945) and M-16 Outdoor Classroom (1958), were identified where a wide range of munitions were reportedly used.

The PA/SI approach is to submit an Explosives Safety Submission (ESS) to ensure safety worker and public safety during the investigation, provide community outreach to notify nearby residents and NCDOT of the planned activities, conduct a geophysical survey and intrusive anomaly investigation to identify whether there is a potential for former range impacts, and conduct soil and groundwater sampling for analysis of explosives residues, perchlorate, and metals. The field activities were initiated in April 2012 and will continue through July 2012. A report of findings will be drafted for submittal this fall.

The RAB questioned whether anything was found during construction. No items that we are aware of were found during construction and no items were found during initial PA/SI site preparation activities.

Mr. McAdams recalled the Base having to purchase some off-Base property where range activities may have caused cracks in housing foundations, possibly near High Hill Road.

V. Munitions Response Program (MRP) Sites UXO-06 and UXO-19

Objective: The purpose of this agenda item was to review the site background, present the plan for the Remedial Investigation (RI)/Feasibility Study (FS), and provide a schedule.

Overview: Mr. Louth presented an overview of each site.

Site UXO-06, the Former Fortified Beach Assault Area

The results of the previous investigations and clearance for the borrow pit expansion were as follows:

- Munitions and explosives of concern (MEC) were identified
- MEC and material potentially presenting an explosive hazard (MPPEH) were found adjacent to the site boundaries
- No identifiable target areas were identified that is consistent with a maneuver area
- No unacceptable risks to human health or ecological receptors were identified from exposure to explosives residues, perchlorate, or metals in soil, sediment, groundwater, or surface water

The planned RI approach is to further evaluate the nature and extent of subsurface MEC by investigating the previously uninvestigated areas and undeveloped areas within the site and along the site boundaries. Geophysical surveys and 100% intrusive investigation of anomalies is planned along transect. Soil sampling is planned if MEC/MPPEH with exposed fillers is identified or MEC is detonated on-site. The RI Work Plan will be finalized this summer followed by field activities this summer/fall and an RI/FS report in early 2013.

Site UXO-19, Camp Devil Dog

The site is used as the Center of the Marine Combat Training -School of Infantry with billeting, training classrooms, and messing facilities where additional military construction (MILCON) is planned. There are eight former ranges located within UXO-19.

The results of the previous investigations and 100% clearance for MILCON were as follows:

- Over 450 MEC were identified
- No unacceptable risks to human health or ecological receptors were identified from exposure to explosives residues, perchlorate, or metals in soil or groundwater

The investigations results will be presented in an RI. There are two remaining areas of the site to address:

- Developed areas - under foundations, roadways, and areas where no MEC removal has been performed
- Undeveloped areas - open areas previously cleared to 3 feet below ground surface

The proposed remedial action objectives for the FS are to provide protection to human health by reducing and mitigating the hazards posed by subsurface MEC and eliminate moderate to high potential explosive hazards so that residual explosive hazards can be managed.

The remedial alternatives planned for evaluation include:

- Alternative #1-No Action
- Alternative #2-Land Use Controls (LUCs)
- Alternative #3-Subsurface MEC Removal (via geophysical survey and intrusive anomaly investigation) and LUCs
- Alternative #4-Subsurface MEC Removal (via excavation and sifting) and LUCs

The draft RI/FS report is planned for submittal this summer.