



Camp Bonneville

Military Reservation Cleanup

January 2007

Public Comment Period:

**January 22, 2007 through
February 22, 2007**

**Public Meeting:
February 7, 2007**

5:00 – 6:00 Open House

6:00 – 8:00 Public Meeting

The Marshall House
1301 Officer's Row
Vancouver WA 98661

Send comments to:

Ben Forson, Project Manager
Department of Ecology
PO Box 47600
Olympia WA 98504-7600
(360) 407-7227
bfor461@ecv.wa.gov

To review documents:

Department of Ecology
Toxics Cleanup Program
300 Desmond Drive
Lacey, Washington
Attn: Carol Dorn (360) 407-7224

Vancouver Mall Public Library
8700 NE Vancouver Mall Drive
Suite 285
Vancouver WA

Ecology's Web site:

http://www.ecy.wa.gov/programs/tcp/sites/camp_bonneville/camp_bonneville_hp.htm

For special accommodation or the document in an alternative format, please contact Ecology at (360) 407-7170 (voice) or 1-877-833-6341 or 711 (TTY).

Publication No. 07-09-042

Public comments sought on Remedial Investigation and Cleanup documents for Camp Bonneville site

The Washington State Department of Ecology invites you to review and comment on several documents received from the Bonneville Conservation, Restoration and Renewal Team (BCRRT) for the site investigation and cleanup at the Camp Bonneville Military Reservation (Camp Bonneville or Site). The following draft documents are available for public review and comment:

- *Interim Action Work Plan.*
- *State Environmental Policy Act (SEPA) Determination.*
- *Remedial Investigation and Feasibility Study (RI/FS), RAU 2A.*
- *Remedial Investigation Report RAU 2B.*
- *Public Participation Plan.*

We encourage you to comment on these documents during the public comment period scheduled from January 22 through February 22, 2007.

Documents for Review

Draft Interim Action Work Plan

The interim actions include major activities:

- Surface clearance of a 20-foot swath on each side of identified roads and trails within Camp Bonneville and surface clearance for MEC in the small arms firing ranges to further their investigation and the later removal of lead from these ranges.
- The proposed work plan describes the work to do and procedures to follow, and identifies the areas to conduct this work. The primary objective for this action is to investigate about 46 miles of transects to determine if munitions and explosives of concern (MEC) are present. The following remedial action will also reduce the potential threat associated with military munitions to workers on the Site.

DEFINITIONS

“**BCRRT**” Bonneville Conservation, Restoration and Renewal Team.

An “**Interim Action**” provides a partial cleanup of the Site.

A “**Remedial Investigation**” is a study to define the nature, extent, and source of the problems at the Site.

A “**Feasibility Study**” uses information gathered during the Remedial Investigation to develop alternatives for cleaning up the Site.

SEPA Threshold Determination

A SEPA checklist and determination of non-significance will identify if the proposed interim actions will have any environmental impacts. These are available for review with the Proposed Interim Action Work Plan.

Remedial Investigation and Feasibility Study (RI/FS), RAU 2A

The RI/FS report for RAU-2A presents the results of investigations conducted to find distributions of lead and explosive compounds, including picric acid and pentaerythritol tetranitrate (PETN) at the 21 small arms ranges that form RAU-2A. The report also presents an evaluation of alternative cures and a preferred solution for cleaning up the ranges.

Remedial Investigation Report, RAU 2B

This report describes the investigations conducted to determine explosive residues and metals at Open Burning or Demolition Areas 2 and 3, and presents the results and conclusions of these investigations.

Public Participation Plan

A draft public participation plan describes the Site cleanup process and strategy to help inform the public during the cleanup. The Plan and other information about the Site are available on the Ecology web page for Camp Bonneville:

http://www.ecy.wa.gov/programs/tcp/sites/camp_bonneville/camp_bonneville_hp.htm

Site background

The Camp Bonneville Military Reservation's size is roughly 3,840 acres, including 820 acres of state-owned land. Camp Bonneville is about five miles from the Vancouver city limits in Clark County. It borders both sides of Lacamas Creek and is about seven miles north of the Columbia River. Over half of the Site is forested.

The Department of Defense owned and operated Camp Bonneville for firing range practice and training from 1910 to 1995. During that time, military ammunition stored and used at the Site included artillery ammunition, mortar ammunition, air-launched rockets, shoulder-fired rockets, guided missiles, bombs, land mines (practice only), grenades, fuses, and small arms ammunition.

Camp Bonneville officially closed in 1995. Since then, investigations have been ongoing to characterize the contamination from ammunition and other dangerous substances and to develop a plan for re-using the Site once it's cleaned up.

For administrative purposes, the Site was divided into three main remedial units. Following is a brief description of each unit.

Remedial Action Unit 1:

This area consists of 20 discrete sites where dangerous substances (other than military ammunition) were located. This includes diesel fuel, fuel oil, pesticides, solvents, and lead- and chromium-containing paint.

Cleanup of this unit was completed by the Army in 2004. Restrictive Covenant was filed, and the unit closed in October 2006.

Remedial Action Unit 2:

This area consists of:

- Twenty-one small arms range areas;
- Two demolition areas where ammunition was burned or detonated;
- One landfill/Demolition Area.

The Army has conducted several investigations of these areas. The following is a brief description of current cleanup status of these areas:

1. Investigation to determine the extent of contamination at the 21 small arms ranges is completed and a remedy proposed. This proposal may be found in an RI/FS that is available for public comment.
2. Investigation to determine explosive residues and metals at Demolition Areas 2 and 3 is completed. The results and conclusions of these investigations are presented in an RI/FS that is available for public comment.
3. Investigation to define soil contamination has been completed. An interim action to remove landfill content and associated contaminated soil has also been completed. Evaluation of groundwater contamination plume continues.

Remedial Action Unit 3:

This area includes the entire site where ammunition (including unexploded) may remain.

Investigation to determine relative distribution of munitions and explosives of concern (MEC) is completed. A draft RI/FS that presents the investigation results and evaluation of alternative remedies with a preferred solution has already been commented on by the public and is being finalized.

Remedial Action Units (RAU)

“**RAU-1**” consists of 20 sites where hazardous substances (other than military ammunition) have been located. found.

“**RAU-2A**” covers 21 small arms ranges.

“**RAU-2B**” consists of two demolition areas where ammunitions were either burned or detonated.

“**RAU-2C**” covers a landfill area that was also used to burn or detonate ammunition.

“**RAU-3**” includes the entire site where ammunition (including unexploded) may still remain.

Your comments

If you have comments after reading any of the documents, please send them to
Ben Forson, Project Manager
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Toxics Cleanup Program
PO Box 47600
Olympia WA 98504-7600
bfor461@ecy.wa.gov

Ecology Would Like Your Input

Public comment period:

January 22 – February 22

Please share your comments with Ecology.

▶ **To review documents:**

- **Vancouver** – Documents are available at the Vancouver Public Library/Vancouver Mall Branch during regular library hours. 8700 NE Vancouver Mall Drive, Suite 285, Vancouver, WA

- **Olympia** – To review documents in Olympia, contact Ben Forson of Ecology at (360) 407-7227 to schedule an appointment.

- **Web site** – Documents are also available on the Site webpage:
http://www.ecy.wa.gov/programs/tcp/sites/camp_bonneville/camp_bonneville_hp.htm

▶ **A public meeting on Camp Bonneville** is scheduled for **February 7, 2007**, at the Marshall House, 1301 Officer's Row, Vancouver, WA.

- 5:00 – 6:00 Open House
- 6:00 – 8:00 Public Meeting

▶ **Please send your written comments to:**

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