

## 2013 ANNUAL UPDATE TO THE BUNKER HILL SUPERFUND CLEANUP PLAN

DRAFT FINAL: December 2013

### INTRODUCTION

In February 2013, the U.S. Environmental Protection Agency (EPA) issued a 10-year plan for Superfund cleanup activities within the Bunker Hill Mining and Metallurgical Complex Superfund Site (CERCLIS identification number IDD048340921) located in northern Idaho. Copies of this EPA plan, titled *Bunker Hill Mining and Metallurgical Complex Superfund Site, Superfund Cleanup Implementation Plan 2012 – 2022*, can be found online at the following location:

[http://www.epa.gov/region10/pdf/sites/bunker\\_hill/cda\\_basin/BH\\_ImpPlan\\_Final\\_20Feb2013.pdf](http://www.epa.gov/region10/pdf/sites/bunker_hill/cda_basin/BH_ImpPlan_Final_20Feb2013.pdf)

The 10-year Implementation Plan summarizes and discusses prioritized cleanup activities included in the Upper Basin Interim ROD Amendment (EPA, 2012) and prior decision documents (EPA, 1991, 1992, 1996a, 1996b, 1998, 2001, 2002) for the Bunker Hill Site. As described in the 10-year Implementation Plan, modifications and amendments to the plan are anticipated and will be documented by EPA on an annual basis.

This document comprises the annual update to the Bunker Hill Superfund Cleanup Implementation Plan.

### MODIFICATIONS TO THE 10-YEAR IMPLEMENTATION PLAN

Table 1 summarizes the modifications to the 10-year Implementation Plan that have occurred during the past year. The majority of the modifications are minor schedule changes of some activities. A significant change has occurred in the design approach for collecting contaminated groundwater beneath the Central Impoundment Area (CIA) of OU2 as described in the table. Figure 3-7 from the 10-year Implementation Plan has been updated to reflect the schedule modifications described in Table 1.

Activity/Location	Action	Description of Modification
Bunker Hill Box (OU2)	CTP Upgrades for OU2 Waters and New Discharge Pipeline	<p>Shown as separate projects in the initial 10-year plan. Projects have been consolidated into a single design and construction project.</p> <p>Remedial design (RD) shown as one year (2013); RD is currently scheduled to continue into 2014. Remedial action (RA) implementation is now planned for 2015 and 2016.</p>
	CIA Groundwater Interception Drain Installation	<p>Typical conceptual design (TCD) for an interceptor drain has changed to a TCD of a cutoff wall and groundwater well extraction system. EPA has determined that changing from a drain to a cutoff wall/well extraction system does not fundamentally alter the overall cleanup approach, however, the change is considered significant and EPA will publish an Explanation of Significant Difference (ESD) describing the reasons for the change.</p>
Canyon Creek Watershed (OU3)	Remediation of Hecla-Star Complex and Adjacent Sites	<p>EPA completed initial investigations of this site in 2012 in anticipation of further development of the site by Hecla Mining Company. In 2013 Hecla decided to not continue use of this site for their ongoing mining operations. Based on this decision EPA does not plan cleanup of this site within the 10 year implementation timeframe. Specific cleanup actions within Canyon Creek could occur sooner if warranted based on human health exposure.</p>
Lower Basin (OU3)	Pilot Projects and Remedial Actions	<p>In early 2013 when EPA published the 10-year plan, specific pilot projects had not been identified. During the Spring of 2013, EPA conducted a public outreach process to solicit pilot project proposals from the public and stakeholders. Through this process, EPA selected two initial pilot projects in the Lower Basin. The first is for bank stabilization of a portion of the Coeur d'Alene River adjacent to the Khanderosa Campground. The second is using hydraulic controls to manage water levels in a yet to be determined location in order to</p>

		control and restrict waterfowl use of this area. RD is occurring in 2013 and RA is planned for early 2014.
Repository Development and Management (OUs 1, 2, and 3)	Design/Construction of Lower Burke Canyon Repository (LBCR)	Work at the LBCR will occur in phases. In 2014 work will begin at the North end of the LBCR in order to allow for receipt of some ICP waste. The pace for further development of the repository will be dependent on the timing of cleanup actions for Canyon Creek which are generally beyond the 10 year time frame. EPA is also evaluating the possibility of expanding the Big Creek repository. Additional data on this site was collected in 2013 and a decision on whether to move forward with development of this site will be made in 2014. Development of the Osburn Tailings Impoundment Repository is identified in the IP for design in 2017. This could be moved up depending on the waste needs in the Upper Basin.
Property Remediation Program	Ongoing	No significant changes have been made in cleanup actions conducted under the BPRP. In 2013 an expanded effort was made to increase the number of participants in blood lead testing. This included over 3,000 door to door visits in the Box and an increase of the financial incentive for participation to \$30 dollars. The overall results show a continued downward trend in blood lead levels in children from historical levels.