

United States Environmental Protection Agency
Region 8
1595 Wynkoop Street
Denver, Colorado 80202

**Addendum to September 2010
Kennecott South Zone Five Year Review Report**

A Five-Year Review addendum is generally completed for remedies where the protectiveness determination is deferred until further information is obtained. When deferring protectiveness in the Five-Year Review report, EPA typically provides a timeframe for when the information will be obtained and a protectiveness statement can be made. This document provides progress since the Five-Year Review and a protectiveness determination for the remedy where the statement was deferred in the September 2010 Five-Year Review.

The Five-Year Review report for the Kennecott South Zone Site in Salt Lake County, Utah, was signed by Carol Campbell, Assistant Regional Administrator on September 29, 2010. The protectiveness statements outlined in the Report were as follows:

OU1 (Bingham Creek) – Protectiveness Deferred
OU5 (Anaconda Tailings) – Protective in the Short Term

This addendum addresses the Protectiveness Statement for OU 1.

Progress Since the Five-Year Review Completion Date

Operable Unit 1 – Bingham Creek

A protectiveness determination was not made for Operable Unit 1 at the time of the last five year review since it was not possible to identify the cleanup standard used in the early 1990's to address approximately 50 residential properties during the Phase I removal action.

Since the time of the last five year review, additional research has been undertaken on the Phase I, Phase II, and Phase III removal actions performed in the early 1990s. It was found that the response action for Phase I properties relied upon an action level of 2500 parts per million (ppm) lead in soil. Subsequent to the Phase I removal, a Phase III removal was conducted for the same residential area. During the Phase III removal, an action level of 1100 ppm lead in soil was used to guide the response action. Any Phase I properties that exceeded 1100 ppm lead were addressed during the Phase III removal.

Issues and Recommendations

No new issues or recommendations have been identified since the September 2010 Five Year Review.

Protectiveness Statements

Based on new information obtained since the Five-Year Review completion date, the protectiveness statement for OU 1 is being revised as follows:

The remedy for OU1, Bingham Creek, currently protects human health and the environment because it has been determined that all residential properties addressed during the removal actions relied on a health protective

action level of 1100ppm lead. However, in order for the remedy to be protective in the long-term, land use controls must be fully implemented to ensure long-term protectiveness.

Next Five-Year Review

The next five-year review will be completed no later than September 2015, five years after the signature of the last five-year review report.

Carol L. Campbell

Date 9/27/11

Carol L. Campbell
Assistant Regional Administrator
Office of Ecosystems Protection and Remediation

References:

Bingham Creek

Bingham Creek Residential Properties Restoration Closure Report Volume I (SDMS # 399630)
Work Plan for Excavation and Removal of Soils Bingham Creek Channel Phase III Table 1 (SDMS # 371296)
Unilateral Administrative Order CERCLA VIII-95-19 Weekly Report #4 September 28, 1995 (SDMS # 371287)
Unilateral Administrative Order CERCLA VIII-95-19 Weekly Report #5 October 5, 1995 (SDMS # 371265)
Unilateral Administrative Order CERCLA VIII-95-19 Weekly Report #6 October 12, 1995 (SDMS # 371272)
Unilateral Administrative Order CERCLA VIII-95-19 Weekly Report #8 October 26, 1995 (SDMS # 371273)
Unilateral Administrative Order CERCLA VIII-95-19 Weekly Report #9 November 2, 1995 (SDMS # 371274)
Unilateral Administrative Order CERCLA VIII-95-19 Weekly Report #10 November 10, 1995 (SDMS # 371275)

Herriman

Master List of Herriman Residential Properties (SDMS ID# 2027154)
Wastes Left In Place, Herriman Residential Soils (SDMS ID# 2027147)
Herriman Residential Properties Which Did Not Require Cleanup (SDMS ID# 2026819)