



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 1, NEW ENGLAND
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**Addendum to Kearsarge Metallurgical Five Year Review Report,
dated September 26, 2008**

June 2010

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 September 26, 2008 Five-Year Review and protectiveness determinations for the Kearsarge Metallurgical Corporation (KMC) Superfund site were deferred.

The Five-Year Review report (Report) for the KMC site in Conway, New Hampshire, was signed by James T. Owens III, Director of Region 1's Office of Site Remediation and Restoration on September 26, 2008. The protectiveness statements outlined in the Report were as follow:

Operable Unit 1, Waste piles and leaching field soils:

The remedy at OU1 is protective of human health and the environment because the waste piles and contaminated leach field soils that could contribute to direct exposure contact have been removed.

Operable Unit 2, Groundwater:

A protectiveness determination of the remedy at OU2 can not be made at this time and must be deferred until further information is obtained. Further information will be obtained by taking the following actions:

- (1) Completion of a Monitored Natural Attenuation (MNA) Evaluation Study including additional delineation of the contaminant concentrations in the aquitard to determine the remaining mass, modeling of the groundwater, and evaluation of MNA criteria applicable to the Site and timeframes till cleanup standards are met;
- (2) Evaluation of the ability to implement and the implementation of institutional controls;
- (3) Potential remedy change to MNA, if appropriate, through future decision document with a public meeting and comment period, and;
- (4) Evaluation of the vapor intrusion pathway using appropriate guidance.

Overall, the protectiveness determination for the remedy at the KMC Site has been deferred until further information is obtained.

Superfund Records Center

SITE: K2ARSARGE

BREAK: 8.3

OTHER: 466949

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This addendum addresses the Protectiveness Statements for OU 2.

Progress Since the Five-Year Review Completion Date

For Operable Unit 2:

Actions (1) and (3) above are still being evaluated through sampling and analysis that is occurring presently. EPA and NHDES will review the data once it is available and decide on the appropriate response. Action (4) was evaluated by the State's contractor, Weston Solutions, and found not to pose a problem at the Site.¹

Action (2) required the establishment of institutional controls. The State of New Hampshire sought, obtained and recorded the necessary instruments on the deeds of the affected properties restricting the use of groundwater in the vicinity of the contaminant plume. The establishment of these institutional controls is further documented in an Explanation of Significant Differences.²

Issues and Recommendations

The primary protectiveness issue identified in Table 5 of the 2008 Five-Year Review³ was the lack of institutional controls and, because the affected properties were abandoned, what means were available to establish the institutional controls. A milestone date of September 2009 was identified. However, due to the need to obtain and record an appropriate Order establishing these controls on the subject properties, that goal was not reached until April 2010.

Protectiveness Statements

Based on new information and/or actions taken since the 2008 Five-Year Review, the protectiveness statement for OU-2 is being revised as follows:

“The remedy at OU-2 is considered protective in the short-term because institutional controls are in place and no current ground water exposure exists. However, the OU-2

¹ Letter Report from Betty Nowack, Weston Solutions, Inc. to Andrew Hoffman, New Hampshire Department of Environmental Services, *Vapor Intrusion Evaluation, Kearsarge Metallurgical Corporation Site*, April 14, 2009.

² *Kearsarge Metallurgical Corporation Superfund Site Explanation of Significant Differences*, U.S. Environmental Protection Agency, Region 1 Boston, April 19, 2010.

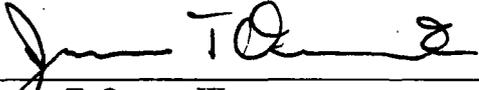
³ Third Five Year Review, Kearsarge Metallurgical Corporation Superfund Site, Town of Conway, Carroll County, New Hampshire, U.S. Environmental Protection Agency, September 26, 2008, p. 66.

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remedy is not considered protective in the long-term because the on-going Monitored Natural Attenuation evaluation has not been completed.”

Next Five-Year Review

The next five-year review will be completed on September 26, 2013, five years after the signature of the last five-year review report.



James T. Owens, III
Director, Office of Site Remediation and Restoration

6/17/10

Date