

SECTION 10.0
PROTECTIVENESS STATEMENTS

The remedy is currently protective, except for the subaqueous cap in portions of Areas 1 and 2, specifically between transects T9 and T14, because it does not meet the cap performance standard for isolation of contaminants; exceeds ecologically-protective sediment benchmarks established in the ROD; exposes fauna living in and around the canal to highly-contaminated waste in the form of free-phase coal tar (NAPL); and may constitute a loss of benthic habitat.

The remedy will not be protective in the future without a mechanism in place to determine compliance with institutional controls that have been established to restrict land and groundwater use at the Site.

Two issues that must be evaluated in order to determine protectiveness in the future are:

1. The vapor intrusion to indoor air pathway and the potential to impact current or future indoor receptors.
2. The ability of the existing compliance monitoring program to adequately monitor performance standards for contaminant migration given new site conditions.

Five-Year Review Report
for
Pine Street Barge Canal Superfund Site
Burlington,
Chittenden County, Vermont

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