

**PROPOSED REMEDIAL ACTION PLAN
Summary Sheet**

Name of Site: **McKesson EnviroSystems Site - Operable Unit #2 Saturated Soils and Groundwater**
Site No.: **7-34-020**
Town and County: **Syracuse (C), Onondaga County**

PREPARED BY: **McKesson Corp./Bristol Myers**

DESCRIPTION OF THE PROBLEM: This is the second operable unit at this site and will address the saturated soils and groundwater which have been contaminated by a variety of volatile and semivolatile organic compounds. The unsaturated soils were the subject of a March 1994 ROD which selected aerobic bioremediation as the remedy for the site. This remedy has been successfully implemented. A pilot study has been completed which indicates that bioremediation will be successful for the remaining contaminated media at this site.

DESCRIPTION OF THE REMEDY: The proposed remedy calls for the use of anaerobic in-situ bioremediation to address contaminant hot spots in the saturated soils and related groundwater. This remedy will extract groundwater from the shallow aquifer by means of collection trenches located downgradient from the areas of soil and groundwater contamination. The extracted groundwater will be augmented with nutrients and discharged to the saturated soil zone by an upgradient infiltration trench. Shallow wells will also be used to enhance the distribution of the nutrient rich water in the tighter upper silt layer. Based upon pilot testing it is anticipated that the soil and groundwater remediation will achieve the remedial goals for the site.

COSTS:

Capital Cost: \$ 844,000
Annual O&M: \$ 107,900
Present Worth: \$ 1,401,000

ISSUES: There have been no significant issues identified relative to this site. USEPA has previously indicated that this site is not a subsite of Onondaga Lake and, therefore, they will not be involved in the review of this PRAP. The Onondaga Lake section, however, has been provided with a copy to review for consistency with area-wide groundwater issues. The PRPs intend to begin design and implementation of this remedy immediately upon signing of the ROD.

File on eDOCs _____ Yes _____ No
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PROPOSED REMEDIAL ACTION PLAN
Summary Sheet

Site No.: 7-34-020
Name of Site: McKesson EnviroSystems (Inland Site)
Town and County: Syracuse, Onondaga County

PREPARE BY: PRP/McKesson Corporation

DESCRIPTION OF THE PROBLEM:

This PRAP addresses the unsaturated soils, the 4-5 feet of soil above the groundwater table, as a first operable unit of the remediation of this site. These soils, as well as the groundwater and saturated soils, are contaminated with a variety of volatile and semi-volatile compounds as a result of leaking piles and spills during its operation as a solvent recycling center.

DESCRIPTION OF THE REMEDY:

Based upon the findings of the RI/FS and a treatability study carried out at the site, in-situ bioremediation is proposed as the remedy for the contamination present in the unsaturated soils at this site. Because of this site's location near the Oil City / Onondaga Lake area to be addressed by the EPA as an NPL site, the issue of groundwater contamination and the related contamination in the saturated soils is being deferred as a separate operable unit, once a more comprehensive manner for dealing with this contamination is in place. Groundwater has not been shown to be migrating off the site, which allows the deferment of a remedy, however, the monitoring wells installed for the RI will be incorporated in the long term monitoring system for the site which will trigger immediate steps to contain or otherwise treat any off-site migration identified.

COSTS: \$1,340,000 capital with yearly O&M of \$18,000

ISSUES:

- Deferring of the groundwater to a future operable unit concerns DOH unless development of the site can be controlled
- Clean up levels in the soil are based on technologically achievable levels and are somewhat greater than the TAGM. This is justified since the groundwater's increased salinity makes the use of GA standards.
- McKesson intends to proceed immediately under the existing order with design and plans to implementing the remedy this summer. The existing order does not include cost recovery provisions, however McKesson has agreed to reimburse the Department for its past cost going back to 1987 and also oversight costs for the RD/RA.

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Site Name McKesson

Site No. 734020

County Onondaga

Town Syracuse

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