

Inactive Hazardous Waste Site Operations and Maintenance Review Report

Form Date 96.10.01

Site Name: McKesson HBOC Inc. Bear Street		Class: 2	Number: 734020															
O&M Funding Source: <input type="checkbox"/> State Superfund <input type="checkbox"/> Federal Superfund <input type="checkbox"/> Municipal <input checked="" type="checkbox"/> Responsible Party																		
O&M Information: O&M Start: January 2000		End: est. 2005	Annual Cost: Estimated															
Interim Remedial Measures/Operable Units in O&M Phase: <table border="0"><tr><td><input type="checkbox"/> Drum Removal</td><td><input type="checkbox"/> Soil Removal (follow up inspection)</td><td><input type="checkbox"/> Tank Removal</td></tr><tr><td><input type="checkbox"/> Cap/Cover</td><td><input type="checkbox"/> Containment Structure</td><td><input checked="" type="checkbox"/> Fence/Security</td></tr><tr><td><input type="checkbox"/> Groundwater Recovery/Treatment</td><td><input type="checkbox"/> Leachate Collection/Treatment</td><td><input type="checkbox"/> Vapor Extraction/Treatment</td></tr><tr><td><input type="checkbox"/> Air Sparging/Stripper System</td><td><input type="checkbox"/> Treatment/Filtration Plant/System</td><td><input type="checkbox"/> Potable Water Supply/System</td></tr><tr><td colspan="3"><input checked="" type="checkbox"/> Other: In-Situ Bioremediation</td></tr></table>				<input type="checkbox"/> Drum Removal	<input type="checkbox"/> Soil Removal (follow up inspection)	<input type="checkbox"/> Tank Removal	<input type="checkbox"/> Cap/Cover	<input type="checkbox"/> Containment Structure	<input checked="" type="checkbox"/> Fence/Security	<input type="checkbox"/> Groundwater Recovery/Treatment	<input type="checkbox"/> Leachate Collection/Treatment	<input type="checkbox"/> Vapor Extraction/Treatment	<input type="checkbox"/> Air Sparging/Stripper System	<input type="checkbox"/> Treatment/Filtration Plant/System	<input type="checkbox"/> Potable Water Supply/System	<input checked="" type="checkbox"/> Other: In-Situ Bioremediation		
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Institutional Controls: <input type="checkbox"/> Deed Restriction <input type="checkbox"/> Discharge Permit <input type="checkbox"/> Department of Health Sampling <input type="checkbox"/> Other: NONE																		
O&M Review Information: Reports: Biannual Process Control Monitoring Report, July 2000 through December 2000; Biannual Process Control Monitoring Letter Report, January 2001 through June 2001 Inspection: August 28, 2001, CO staff (during discrete RAMM injection event) Sampling: September 2000, March 2001 by RP Other:																		
Conclusions: Remedy Effective? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: _____ ROD Compliance? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: OU-1, ROD 3/94, met (except for biannual gw sampling) in 1994. OU-2 ROD 3/97 on-going and in compliance Consent Order Compliance? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: _____ Other:																		
Remedial Activities: OU-2 is comprised of two hydrogeologic units: a shallow and a deep unit that are separated by silt & clay. The remedy consists of in-situ anaerobic bioremediation that is enhanced by the introduction of nutrient-amended groundwater and appropriate monitoring as outlined in the OM&M manual. RAMM is introduced monthly into standpipes in Areas 1, 2, and 3. During the week of 8/27/01 RAMM was injected into discrete points in all 3 areas using a direct-push drill rod and air pressure. Black-strap molasses was also added to discrete points in Area 1. The RP's contractor was performing site maintenance activities (mowing, fence line grubbing, fence repair) during the month of August. The site appears to be in good order.																		
ROD/Consent Order Modifications? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (per above) Reclassify the Site? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes! Class:																		
Comments: A classification package to change the site to class 4 is in routing; sign off is still needed by R7. Although in general levels of contaminants are decreasing throughout the site, progress is slow. The discrete injection activities were proposed by the RP to further stimulate the biodegradation rate. The next scheduled sampling round will be in September 2001. The City of Syracuse appears to be about to begin a sewer line project on Van Rensselaer Street. Next review due November 2002																		
Project Manager: Signature Cynthia A. Whitfield, CO, Name Region or Bureau Date 402-9564 Telephone		Reviewer: Signature Date Name Region or Bureau Telephone																