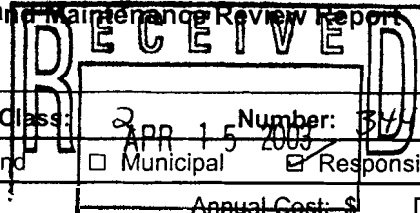


Inactive Hazardous Waste Site Operations and Maintenance Review Report



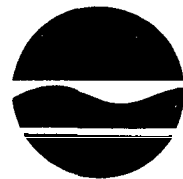
Form Date 96.10.01

Site Name: <u>Orange + Rockland</u>		Class: <u>3</u>	Number: <u>344014</u>
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: <u>Jan 98</u>	End:	Annual Cost: \$ <u>          </u> <input type="checkbox"/> Estimated
Interim Remedial Measures/Operable Units in O&M Phase:			
<input type="checkbox"/> Drum Removal <input checked="" type="checkbox"/> Soil Removal <input type="checkbox"/> Tank Removal <input type="checkbox"/> Cap/Cover <input type="checkbox"/> Containment Structure <input 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: <u>Monitoring well</u>			
Institutional Controls: <input type="checkbox"/> Deed Restriction <input type="checkbox"/> Discharge Permit <input type="checkbox"/> Department of Health Sampling <input type="checkbox"/> Other: <u>          </u>			
O&M Review Information:			
Reports: <u>Malcolm Pirnie Quarterly Reports 3-11-02, 6-27-02, 9-17-02</u>			
Inspection: <u>3-11-02</u>			
Sampling: <u>          </u>			
Other: <u>          </u>			
Conclusions:			
Remedy Effective? <input type="checkbox"/> Yes <input type="checkbox"/> No: <u>unknown</u>			
ROD Compliance? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: <u>          </u>			
Consent Order Compliance? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: <u>          </u>			
Other: <u>          </u>			
Recommendations:			
<u>① Continue quarterly monitoring of wells</u> <u>② Perform round of well sampling using traditional techniques to compare with submersible bag method used last year. (Note: Eng has agreed to this)</u>			
ROD/Consent Order Modifications? <input type="checkbox"/> No <input type="checkbox"/> Yes (per above)    Reclassify the Site? <input type="checkbox"/> No <input type="checkbox"/> Yes → Class: <u>          </u>			
Comments:			
<u>① Diff. to assess sampling results since method has been changed. Engineer will do side by side sampling.</u> <u>② Sampling of wells has been re-started after 2 year absence of sampling.</u> <u>③ See attached inspection report and well sampling comparisons.</u>			
Project Manager: <u>          </u> <u>2-5-03</u>		Reviewer: <u>          </u> <u>3/31/03</u>	
Signature: <u>Jim Schreyer</u> Date: <u>3</u>		Signature: <u>Ram Plegades</u> Date: <u>3/31/03</u>	
Name: <u>Jim Schreyer</u> Region or Bureau: <u>3</u> Telephone: <u>845-256-3148</u>		Name: <u>Ram Plegades</u> Region or Bureau: <u>RS</u> Telephone: <u>X 3146</u>	

# New York State Department of Environmental Conservation

Division of Environmental Remediation

Operation and Maintenance Inspection Report



John P. Cahill  
Commissioner

Site # 344014 Site Name Orange + Rockland Location West Nyack

Date 3-11-02 Contact M. McCormick Phone# 845-577-2580

Type of Treatment: Pump and Treat — Vapor Extraction — Air Sparge —  
Monitoring Wells Other \_\_\_\_\_

Site Conditions: Good ; site kept neat + clean

Treatment equipment status:  
N/A

Monitoring well status:  
Good ; all wells accessible and locked

Improvements needed:

Person(s) present: Joe Caragine Maledin Pirnie 201-797-7400

General Comments

- ① Technician on site to remove polyethylene bags with DI water and place new ones in wells. Original bags in wells ~ 2 week
- ② Bags placed in screened interval all wells. 9 wells to be sampled.
- ③ Bags opened and 30-40 ml vials filled for VOA analysis
- ④ Monitored bag water in field for pH, temp and cond.
- ⑤ Surface water samples also prepared.
- ⑥ Experimental diffusion bag sampling approved by R. Pargadia Reg 3

Inspectors name Jim Schreyer

Inspectors signature [Signature]

Date 3-11-02

page 1 of 1

⑦ Received literature for diffusion sampling for review from  
J. Caragine.

# O AND M PERFORMANCE REVIEW WORKSHEET

*traditional sampling*

*bag samples*

Project: Oranger Rockland

Date: 2-5-03

MW	PARA	DATE CONC.	1997	1998	1999	3-11-02	6-27-02	9-17-02	
MW 9B			700	500	230		120	190	100
MW 5S							0.0	0.0	0.0
MW 5B			21	26	20		3.2	9.6	NS
MW 8S			190	170	250		4.3	4	2.3
MW 8			280	300	290		59	89	120
EXW 4			100	72	77		44	11	82
EXW 5			9	6	74		0.0	0	0
MW 10S				54	39		0.0	0	1.0
MW 11S				91	64		24	130	130

NOTES:

\* Used Trichloroethane in this chart and highest hit in that year.  
 (No result for 2000 yet)

# O AND M PERFORMANCE REVIEW WORKSHEET

Project: Orange & Rockland

Date: 2-5-03

MW PARA\* DATE CONC.

1997

1998

1999

3-11-02

6-27-02

9-17-02

MW 9B			130	140	76		31	51	31
MW 55							0	0	0
MW 5B			11	29	23		1.8	6.3	NS
MW 5S			180	160	210		3.0	2.5	1.2
MW 8			280	300	240		73	100	130
EXW 4			140	73	110		26	120	79
EXW 5			7.6	11.0	73.0		0	0	0
MW 10S				3			0	5	6
MW 11S				87	79		33	97	98

## NOTES:

\* Used cis 1,2 Dichloroethene in this chart and highest hit in that year  
(No results for 2000 year)