



RICH
ENVIRONMENTAL SPECIALISTS

May 7, 2008

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
Bureau of Eastern Remedial Action
625 Broadway, 11th Floor
Albany, New York 12233-7015

Attention: Joseph Jones, Project Manager
Remedial Section A

Re: **Progress Report - April 2008**
299 Main St., Site 1-30-043S
New Cassel Industrial Area
Agreement Index # W1-1072-05-07

Dear Mr. Jones:

In accordance with the above referenced Agreement, CA RICH is pleased to provide you with the following Progress Report. This Report includes selected work items outlined in Section III Progress Reports pursuant to the above-referenced Agreement.

During the past month the following activities were performed:

- On April 30, 2008 the sixth quarterly sample was collected from the untreated soil vapor in connection with the on-Site SVE system. A summary of the quarterly sampling results is attached as Table 1, along with a graphical analysis tracking the efficiency of the VOC removal. The SVE system continues to be monitored and has been in full-time operation since November 1, 2006.

The following work is planned May:

- Working in cooperation with the NCDH the former sanitary system will be abandoned in accordance with Nassau County Department of Health On-site Sanitary System Abandonment Procedures and a Closure Report will be submitted.
- We intend on continuing to operate the SVE system as is and will collect the next quarterly soil vapor sample in July 2008.

We trust the level of detail provided herein is sufficient at this time. If there is a need for further detail, please contact us.

Yours sincerely,

CA RICH CONSULTANTS, INC.



Steve Sobstyl
Project Manager

SS/sm

Attachments

cc: see attached distribution

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299 Main Street, NCIA #1-30-043S, Westbury NY

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TABLE 1

Summary of Extracted Soil Vapor Samples
Soil Vapor Extraction System at 299 Main Street in Westbury, New York
NYSDEC Site # 1-30-0435

Sample ID Matrix Location Date Sampled Comment	SVE-1PT Soil Vapor Untreated 5/2/2006 Pilot Test	AS-11/1/06 Soil Vapor Untreated 11/1/2006 Start-Up	AS-12/11/06 Soil Vapor Untreated 12/11/2006 1st Quarter	AS-4/30/07 Soil Vapor Untreated 4/30/2007 2nd Quarter	AS-7/24/07 Soil Vapor Untreated 7/24/2007 3rd Quarter	AS-10/17/07 Soil Vapor Untreated 10/17/2007 4th Quarter	AS-1/24/08 Soil Vapor Untreated 1/24/2008 5th Quarter	AS-4/30/08 Soil Vapor Untreated 4/30/2008 6th Quarter
Volatile Organic Compounds (USEPA Method TO-15)								
<u>Parameters</u>	<u>ug/m3</u>	<u>ug/m3</u>	<u>ug/m3</u>	<u>ug/m3</u>	<u>ug/m3</u>	<u>ug/m3</u>	<u>ug/m3</u>	<u>ug/m3</u>
1,1 Dichloroethane	< 81	72.918	< 16.204	< 16.2	< 16.20	< 4.05	< 0.81	< 0.81
1,1 Dichloroethene	< 79	< 15.88	< 15.88	< 15.9	< 15.88	< 3.97	< 0.79	< 0.79
1,2 Dibromoethane	< 30	< 30.76	< 30.76	< 30.8	< 30.76	< 7.69	< 1.54	< 1.54
1,2 Dichlorobenzene (v)	< 120	842.24	1082.9	< 24.1	1443.80	< 6.02	445.18	324.86
1,2 Dichloroethane	< 81	< 16.204	< 16.204	< 16.2	< 16.20	< 4.05	< 0.81	< 0.81
1,2 Dichloropropane	< 92	< 18.496	< 18.496	< 18.5	< 18.50	< 4.62	< 0.92	< 0.92
1,2-Dichlorotetrafluoroethane	< 140	< 27.98	< 27.98	< 28.0	< 27.98	< 7	< 1.40	< 1.40
1,3 Butadiene	< 221	< 44.2	< 44.2	< 44.2	< 44.20	< 11.05	< 2.21	< 2.21
1,3 Dichlorobenzene (v)	< 120	< 24.064	< 24.064	< 24.1	< 24.06	< 6.02	1.80	1.80
1,4 Dichlorobenzene (v)	< 120	< 25.267	< 24.064	< 24.1	< 24.06	< 6.02	16.24	16.24
1,4-Dioxane	< 360	< 72.02	< 72.02	< 72.0	< 72.02	< 18.01	< 3.60	< 3.60
111 Trichloroethane	709	< 21.836	< 21.836	< 21.8	< 21.84	< 5.46	< 1.09	< 1.09
112 Trichloroethane	< 109	< 21.836	< 21.836	< 21.8	< 21.84	< 5.46	< 1.09	< 1.09
1122Tetrachloroethane	< 137	< 27.48	< 27.48	< 27.5	< 27.48	< 6.87	< 1.37	< 1.37
124-Trimethylbenzene	482	132813	88542	27546.0	18200.00	5902.8	3197.40	1377.30
135-Trimethylbenzene	787	59028	23119	14265.0	10822.00	3590.9	2459.50	1524.90
2,2,4-Trimethylpentane	210184	125955	5131.5	284.6	< 18.66	43.39	41.99	33.12
2-Hexanone	< 205	< 40.92	< 40.92	< 40.9	< 40.92	< 10.23	< 2.05	< 2.05
3-Chloropropene	< 157	< 31.31	< 31.31	< 31.3	< 31.31	< 7.83	< 1.57	< 1.57
Acetone	< 238	332.92	< 47.56	< 47.6	< 47.56	28.54	261.58	< 2.38
Acrylonitrile	< 217	< 43.38	< 43.38	< 43.4	< 43.38	< 10.85	< 2.17	< 2.17
Benzene	3163	1276.8	< 12.768	< 12.8	< 12.77	< 3.19	< 0.64	< 0.64
Benzyl Chloride	< 2589	< 518	< 518	< 518.0	< 518.00	< 129.5	< 25.90	< 25.90
Bromodichloromethane	< 134	< 26.52	< 26.52	< 26.5	< 26.52	< 6.63	< 1.33	< 1.33
Bromoform	< 207	< 41.4	< 41.4	< 41.4	< 41.40	< 10.35	< 2.07	< 2.07
Bromomethane	< 388	< 77.68	< 77.68	< 77.7	< 77.68	< 19.42	< 3.88	< 3.88
c-1,2-Dichloroethene	32908	8727.4	2538.9	2023.2	2895.90	1745.5	952.08	1150.40
c-1,3Dichloropropene	< 91	< 18.168	< 18.168	< 18.2	< 18.17	< 4.54	< 0.91	< 0.91
Carbon disulfide	< 62	< 115.07	< 96.41	< 12.4	< 12.44	< 3.11	37.32	28.92
Carbon Tetrachloride	< 126	< 25.176	< 25.176	< 25.2	< 25.18	< 6.29	< 1.26	< 1.26
Chlorobenzene	< 92	< 18.432	< 18.432	< 18.4	< 18.43	< 4.61	< 0.92	< 0.92
Chlorodibromomethane	< 170	< 33.72	< 33.72	< 33.7	< 33.72	< 8.43	< 1.69	< 1.69
Chloroethane	< 528	< 105.6	< 105.6	< 105.6	< 105.60	< 26.4	< 5.28	< 5.28
Chloroform	< 98	< 19.48	< 19.48	< 19.5	< 19.48	< 4.87	< 0.97	< 0.97
Chloromethane	< 83	< 16.536	< 16.536	< 16.5	< 16.54	< 4.13	< 0.83	< 0.83
Cyclohexane	< 172	< 34.44	< 34.44	< 34.4	< 34.44	< 8.61	< 1.72	< 1.72
Dichlorodifluoromethane	< 494	< 98.96	< 98.96	< 99.0	< 98.96	< 24.74	< 4.95	< 4.95
Ethyl Acetate	< 1802	< 360.1	< 360.1	< 360.1	< 360.10	< 90.03	< 18.01	< 18.01
Ethyl alcohol	< 377	< 75.32	< 75.32	< 75.3	< 75.32	< 18.83	20.71	< 3.77
Ethyl Benzene	18243	69408	16484	2212.4	273.29	108.45	69.41	32.54
Freon 113	< 153	< 30.672	< 30.672	< 30.7	< 30.67	99.68	122.69	99.68
Heptane	147534	90024	3191.8	139.1	< 40.92	< 10.23	< 2.05	4.50
Hexachlorobutadiene	< 213	< 42.68	< 42.68	< 42.7	< 42.68	< 10.67	< 2.13	< 2.13
Hexane	20089	8467.2	< 35.28	< 35.3	< 35.28	< 8.82	< 1.76	< 1.76
Isopropyl Alcohol	< 1229	< 245.5	< 245.5	< 245.5	< 245.50	< 61.38	< 12.28	< 12.28
m + p Xylene	47779	308566	130380	19557.0	2694.50	651.9	564.98	121.69
Methyl Ethyl Ketone	< 295	< 5008.2	< 58.92	< 58.9	< 58.92	< 14.73	29.17	< 2.95
Methylene Chloride	< 69	< 13.896	< 13.896	< 13.9	< 13.90	< 3.47	< 0.69	< 0.69
Methylisobutylketone	< 410	< 82.02	< 82.02	< 82.0	< 82.02	< 20.51	< 4.10	< 4.10
o Xylene	13465	147764	65190	16080.0	3998.30	1043	825.74	608.44
p-Ethyltoluene	2163	152241	88398	30448.0	17189.00	3535.9	1571.50	638.43
Propylene	465	< 34.38	< 34.38	< 34.4	< 34.38	< 8.6	< 1.72	< 1.72
Styrene	< 85	< 17.024	< 17.024	< 17.0	< 17.02	< 4.26	< 0.85	< 0.85
t-1,2-Dichloroethene	< 79	< 122.98	< 15.868	< 15.9	< 15.87	22.22	17.46	12.30
t-1,3Dichloropropene	< 91	< 18.168	< 18.168	< 18.2	< 18.17	< 4.54	< 0.91	< 0.91
ter-ButylMethylEther	< 72	< 14.076	< 158.36	< 14.1	< 14.08	< 3.52	< 0.70	< 0.70
tert. Butyl Alcohol	< 606	< 121.12	< 121.12	< 121.1	< 121.12	< 30.28	< 6.06	< 6.06
Tetrachloroethene	312	339.25	447.81	230.7	257.83	447.81	461.36	488.52
Tetrahydrofuran	< 590	< 14735	< 117.88	< 117.9	< 117.88	< 29.47	< 5.89	< 5.89
Toluene	286407	229665	35015	866.0	71.54	26.36	18.07	10.92
Trichloroethene	< 107	< 381.48	< 4674.5	< 3223.8	< 4889.40	< 2579	< 2149.20	< 2310.40
Trichlorofluoromethane	< 112	< 22.488	< 22.488	< 22.5	< 22.49	< 5.62	< 1.12	< 1.12
Vinyl Acetate	< 176	< 35.19	< 35.19	< 35.2	< 35.19	< 8.8	< 1.76	< 1.76
Vinyl Bromide	< 87	< 17.516	< 17.516	< 17.5	< 17.52	< 4.38	< 0.88	< 0.88
Vinyl Chloride	792	281.38	< 25.58	< 25.6	< 25.58	< 6.4	< 1.28	< 1.28

Notes:

Concentrations reported in micrograms per cubic meter (ug/m3).

< Indicates less than the method detection limit for specific compound.

299 Main Street
New Cassell Industrial Area
Westbury, New York
Site No. 1-30-0438

Soil Vapor Quality Analytical Data in ug/cubic meter

SVE SYSTEM

Date	Days Since System Start Up	Benzene	Toluene	Ethyl Benzene	Total Xylene	PCE	TCE	C-1,2 DCE	Total VOC's	Comments
5/2/2006	-179	3163	286407	18243	61244	312	107	32908	402384	Pilot Test
11/1/2006	0	1276	229665	69408	456330	339	381	8727	766126	System start-up Baseline
12/11/2006	40	< 12	35015	16484	195570	447	4674	2538	254728	1st quarterly sample
--	--	--	--	--	--	--	--	--	--	System down 2/28/07
--	--	--	--	--	--	--	--	--	--	System re-started 4/6/07
4/30/2007	179	< 12	866	2212	35637	230	3223	2023	44191	2nd quarterly sample
7/24/2007	263	< 12	71	273	6692	257	4889	2895	15077	3rd quarterly sample
10/17/2007	306	< 3.19	26	108	1695	448	2580	1745	6602	4th quarterly sample
1/24/2008	443	< 0.64	18	69	1391	461	2149	952	5040	5th quarterly sample
4/30/2008	499	< 0.64	11	33	730	489	2310	1150	4723	6th quarterly sample

Notes:

Time 0 = System activation date- 11/01/06

Air samples were collected using Summa canisters.

Results reported in micro grams per cubic meter (ug/m3).

