



March 5, 2009

Ms. Sarah Carlson
New York State Department of Environmental Conservation
Division of Environmental Remediation – Region 2
Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

**Re: Spill #98-30002
Hess Station 32518
2880 Atlantic Avenue
Brooklyn, NY**

Dear Ms. Carlson:

This correspondence is in regard to discussions that we had in our October 2008 meeting with Hess Corporation (Hess) regarding additional environmental investigations for the above referenced site. As a result, the following items are included in this work plan.

Short Term Remedial Event (STRE) Investigation

In reviewing the historical groundwater (GW) data with respect to the short term remedial events (STRE's) that were conducted at the site in October 2008 and November 2008, it is evident that there is a decrease in residual levels of Ethylbenzene and Xylenes in wells (MW-4 & MW-6), especially in MW-6 that showed a ten fold reduction in Ethylbenzene and a three fold reduction in Xylenes as shown in the attached table. However, wells (MW-1 & MW-5) showed slight increases in residual petroleum impacts even though the data obtained during these events confirmed effective radii of influence (ROI) on all wells as depicted in the attached site plan.

Recommendation

At this time, we propose to conduct two (2) more quarters of groundwater sampling. Once we evaluate the groundwater sampling data we will then make a determination if we should continue to conduct further STRE's.

If you have questions or comments, please do not hesitate to contact us at (631) 924-3001. Thank you for your time in this matter.

Sincerely,

A handwritten signature in blue ink that reads "Joseph Rennie".

Joseph Rennie
Project Manager

Attachments

cc: John Schenkewitz – Hess Corp.

Table 1
Summary of Well Gauging and Groundwater Analytical Data
Hess Station # 32518
2880 Atlantic Avenue
Brooklyn, NY

Well ID	Date	Gauge Pt. Elevation (feet)	Depth to Water (fbg)	Product Depth (fbg)	Product Thickness (feet)	Water Level Elevation (feet)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	BTEX (ug/L)	MTBE (ug/L)
MW-1	3/23/1999 ^a	39.26	33.00			6.26	14	1,200	650	7,700	9,564	14
	3/13/2000 ^b	39.26	33.60			5.66	2.4	3,300	2,300	16,000	21,602.4	6.2
	11/20/2007	39.26	34.04			5.22	<10	11	420	1,980	2,411	<10
	3/28/2008	39.26	33.89			5.37	<10	33.8	708	4,170	4,911.8	<10
	7/2/2008	39.26	33.98			5.28	<5	38.1	597	4,230	4,865.1	ND
	11/19/2008	39.26	33.72			5.54	<1.3	51.5	819	5,170	6,041	ND
MW-2	3/23/1999 ^{bc}	38.30	30.03			8.27	ND	ND	ND	ND	ND	800
	7/26/1999 ^b	38.30	32.25			6.05	ND	ND	29	56	85	240
	11/20/2007	38.30	33.02			5.28	<1	<1	<1	<3	ND	<1
	3/28/2008	38.30	32.84			5.46	<1.0	ND	ND	ND	<MDL	ND
	7/2/2008	38.30	32.96			5.34	<1.0	ND	ND	ND	<MDL	ND
	11/19/2008	38.30	32.69			5.61	ND	ND	ND	ND	ND	ND
MW-3	3/23/1999 ^a	36.69	30.35			6.34	ND	ND	ND	ND	ND	2.3
	3/13/2000 ^b	36.69	30.95			5.74	ND	1.2	1.7	12	14.9	3.4
	11/20/2001 ^c	36.69	32.65			4.04	1	<1	<1	<2	1	5.1
	11/20/2007	36.69	31.33			5.36	<1	<1	<1	<3	ND	<1
	3/28/2008	36.69	31.15			5.54	<1.0	ND	ND	ND	<MDL	ND
	7/2/2008	36.69	31.30			5.39	<1.0	ND	ND	ND	<MDL	ND
	11/19/2008	36.69	31.00			5.69	ND	ND	ND	ND	ND	ND
	11/19/2008	36.69	31.00			5.69	ND	ND	ND	ND	ND	ND
MW-4	3/23/1999 ^{ab}	38.69	32.40			6.29	9	8.5	690	6,100	6,807.5	33
	7/15/2002 ^c	38.69	33.58			5.11	<5	11	1,400	3,020	4,431	160
	11/20/2007	38.69	33.44			5.25	<1	<1	110	417	527	<1
	3/28/2008	38.69	33.29			5.40	<1.0	ND	174	688	862	ND
	7/2/2008	38.69	33.35			5.34	<1.0	5.6	195	496	696.6	ND
	11/19/2008	38.69	33.49			5.20	ND	0.34 J	138	420	558	ND
MW-5	2/23/2000 ^{ab}	39.37	33.80			5.57	26	22	780	3,600	4,428	17
	11/26/2002 ^c	39.37	34.01			5.36	22	18	250	821	1,111	83
	11/20/2007	39.37	34.24			5.13	<1	<1	84	73	157	<1
	3/28/2008	39.37	34.08			5.29	<1.0	ND	51.7	76.2	127.9	ND
	7/2/2008	39.37	34.15			5.22	<1.0	ND	51.3	60.5	111.8	ND
	11/19/2008	39.37	33.05			6.32	0.56 J	ND	25.5	99.4	125.5 J	ND
MW-6	2/23/2000 ^a	38.95	33.21			5.74	7.9	68	780	2,300	3,155.9	140
	7/24/2000 ^c	38.95	32.16			6.79	21	150	1,200	5,400	6,771	180
	1/24/2004 ^b	38.95	NM			NM	<20	79	2,700	10,200	12,979	<20
	11/20/2007	38.95	34.19			4.76	<5	<5	990	1,683	2,673	<5
	3/28/2008	38.95	33.48			5.47	<20.0	<20.0	2,370	6,513	8,883	<20.0
	7/2/2008	38.95	33.60			5.35	<10	<10	2,430	3,420	5,850	<10
	11/19/2008	38.95	33.31			5.64	ND	1.4 J	240	1,030	1,271 J	ND
	11/19/2008	38.95	33.31			5.64	ND	1.4 J	240	1,030	1,271 J	ND
MW-7	8/30/2000 ^a	38.99	33.29			5.70	1	1	9.1	6.4	17.5	<1
	7/16/2001 ^b	38.99	33.18			5.81	<0.5	<1	10	39	49	<1
	7/15/2002 ^c	38.99	34.12			4.87	<1	<1	<1	<2	<MDL	1.3
	11/20/2007	38.99	33.99			5.00	<1	<1	<1	<3	ND	<1
	3/28/2008	38.99	33.81			5.18	<1.0	ND	ND	ND	<MDL	ND
	7/2/2008	38.99	33.90			5.09	<1.0	ND	ND	ND	<MDL	ND
	11/19/2008	38.99	33.59			5.40	ND	ND	ND	ND	ND	ND
	11/19/2008	38.99	33.59			5.40	ND	ND	ND	ND	ND	ND

Notes:

- ^a Initial Sample/Gauging
- ^b Total BTEX Historical High
- ^c MTBE Historical High
- J = Estimated Value
- MDL = Method Detection Limit
- ND = Not Detected
- NS = Not Sampled
- NM = Not Measured

Table 2
Summary of Soil Vapor Extraction/Air Sparge Pilot Test Events
Hess Station 32518 (Jerome)
2880 Atlantic Avenue
Brooklyn, NY

Date	SVE Well	AS Well	SVE Vacuum ("H₂O)	SVE Flow (cfm)	AS Pressure (psi)	AS Flow (cfm)	SVE Effluent PID (ppm)
10/23/08	MW-1	AS-3	12	50	5.5	16	745
	MW-4	AS-2	10	30	5.5	18	373
11/15/08	MW-1	AS-3	14	50	3	17	717
	MW-6	AS-1	10	30	3	18	920

Notes:

cfm - cubic feet per minute

psi - Pounds per Square Inch

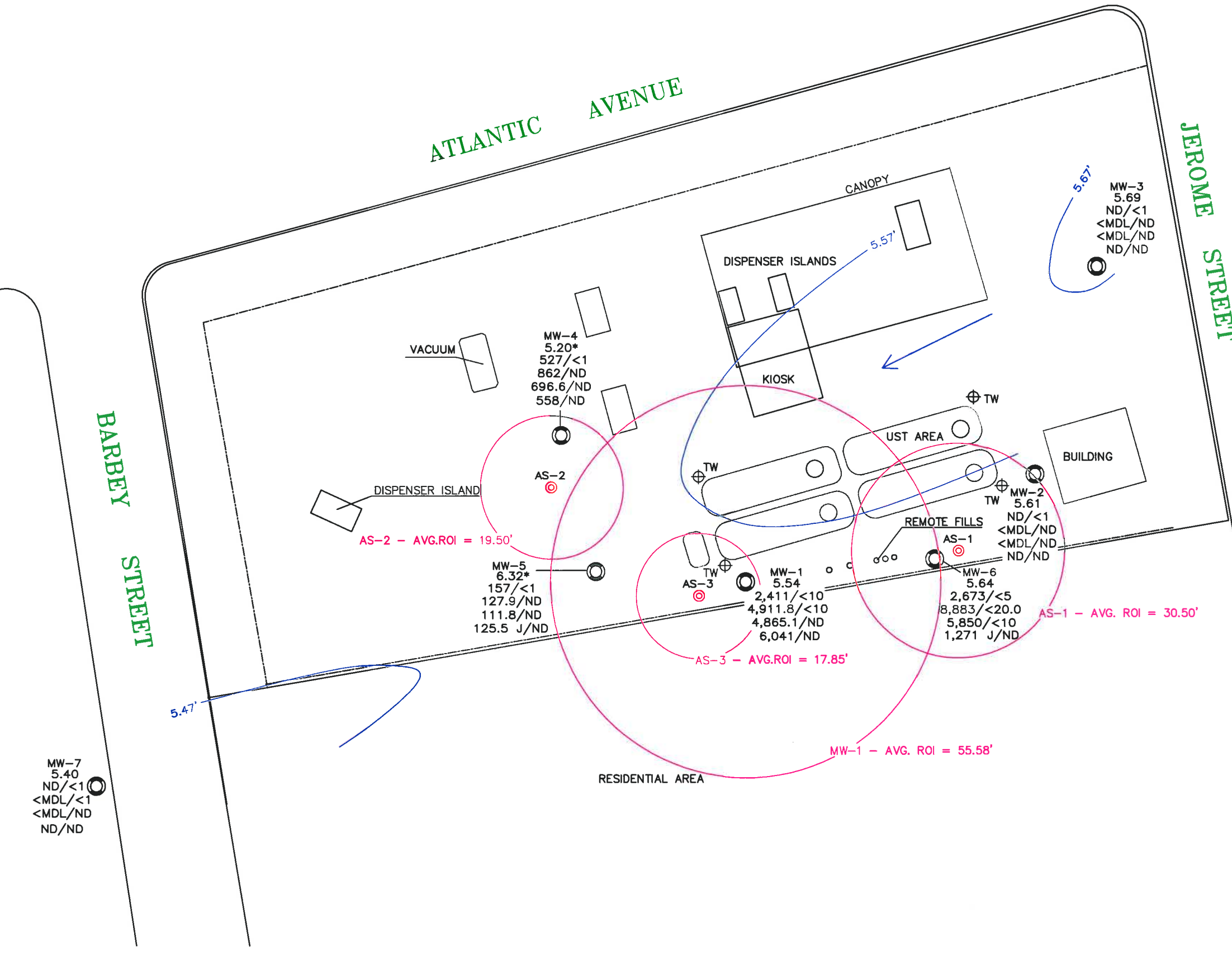
ppm - parts per million



ATLANTIC AVENUE

JEROME STREET

BARBEY STREET



LEGEND:

- MONITORING WELL
- ⊕ TANK FIELD WELL
- ⊙ AIR SPARGE WELL
- ROI = RADIUS OF INFLUENCE

ND = NOT DETECTED
 MDL = METHOD DETECTION LIMIT
 CONTOUR INTERVAL = 0.10 FEET
 * NOT INCLUDED IN CONTOUR CALCULATION
 ← INFERRED GROUND WATER FLOW DIRECTION

SAMPLE WELL:

○ MW-1 = MONITORING WELL ID
 5.54 = WATER-TABLE ELEVATION (11/19/08)
 2,411/<10 = NOVEMBER 20, 2007
 4,911.8/<10 = MARCH 28, 2008
 4,865.1/ND = JULY 2, 2008
 6,041/ND = NOVEMBER 19, 2008

TOTAL BTEX/MTBE CONCENTRATIONS IN ug/L

Base map taken from DELTA map dated 12/28/07



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REVISION DATE:
MARCH 5, 2009

SCALE:
1" = 30 FEET

REVISED BY: TB



HESS STATION # 32518
 2880 ATLANTIC AVENUE
 BROOKLYN, NEW YORK

ROI FROM SHORT TERM REMEDIATION EVENT ON OCTOBER 23, 2008
 AND TOTAL BTEX/MTBE CONCENTRATIONS MAP

FIGURE #

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