URS

EPA Region 5 Records Ctr.
360051

April 15, 2008

Mr. Kevin Turner
USEPA Regional V
Emergency Response Branch
8588 Route 148
Marion, Illinois 26959

Mr. Steven Faryan
USEPA Regional V
Emergency Response Branch
HSE-5J
77 West Jackson Blvd.
Chicago, Illinois 60604-3590

RE: Quarterly Groundwater Monitoring Summary Report – 1st Quarter, January 2008
The Hartford Area Hydrocarbon Plume Site/Hartford, Illinois
ILR000128249 – Madison County – LPC 1190505040
URS Project No. 21561955

Dear Messrs. Turner and Faryan:

URS Corporation (URS), on behalf of the Hartford Working Group (HWG) is submitting this Quarterly Groundwater Monitoring Summary Report for the 1st Quarter of 2008. The activities presented in this report were completed in accordance with Clayton's January 4, 2006 *Dissolved Phase Groundwater Investigation Report*. This summary report focused on monitoring conditions along the perimeter of the dissolved phase plume in northern Hartford and includes the sentinel well sampling activities and results.

The Site geology consists of alternating alluvial deposits of clay and silt. This alluvium overlies alluvial sands and sandy glacial outwash that ranges from 60 to 130 feet thick and is known, locally, as the Main Sand. The overlying permeable zones within the alluvium are locally known (in descending order) as the North Olive, the Rand and the EPA Strata. These deposits are overlain and bounded by several clay deposits identified (in descending order) as the A Clay Stratum, which overlies the entire Site, and localized deposits of the B Clay, the C Clay and the D Clay Strata. The regionally extensive Main Sand underlies the fine-grained alluvial deposits.

Groundwater within the North Olive Stratum, which is potentially seasonal or ephemeral, occurs as isolated areas of perched water on the surface of the underlying B Clay Stratum in Hartford. Historical data has not indicated any significant areas of continually perched water in this stratum. The January 2008 well gauging for the North Olive Stratum revealed that the locations where groundwater was encountered were generally scattered with only small, localized areas that contained water levels above the stratum base. Therefore, the groundwater map created for the North Olive Stratum presents only the elevation data where groundwater was present and the saturated thickness above the stratum base (Figure 1).

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Groundwater within the Rand Stratum in Hartford is also considered to represent perched water on the surface of the underlying C Clay Strata and the groundwater elevation fluctuates with season. Groundwater in the Rand Stratum appears to be present northeast of Hartford at the Shell Tannery Property and the Shell Rand Avenue Site, as this is the only area where the Rand Stratum was extensively saturated. Therefore, the groundwater flow map created for the Rand Stratum, in general, does not contour elevation data for monitoring well locations south of Birch Street. The January 2008 groundwater flow map indicates the presence of a groundwater mound located northeast of the Site (Figure 2). Groundwater flows radially away from this mound. Groundwater from this mound extends and flows southwest into the Village and is controlled by the topography of the base of the Rand Stratum.

Groundwater within the EPA Stratum is generally confined and hydraulically connected to the Main Sand in northeastern Hartford, on the Shell Tannery Property, the Shell Rand Avenue Site, and the Premcor Facility. The January 2008 groundwater flow map of the combined EPA and Main Sand Strata indicates the presence of a groundwater divide, located northeast of the Site, trending along a general northwest/southeast axis (Figure 3). Groundwater on the eastern side of the divide flows in a northeasterly direction while flow on the western side of the divide is in a southwesterly direction. As the southwesterly flow reaches beyond the extent of the D Clay Stratum, a portion of groundwater is captured in the west portion of the Premcor Facility (which includes production well P-2 and P-6, screened between approximately 84 to 114 feet below ground surface [bgs] in the Main Sand, and Shallow Pumping Well RPW-01 screened between approximately 32 to 72 feet bgs in the EPA Stratum and the Main Sand). A groundwater convergence zone occurs along the western extent of the D Clay Stratum extending northwest from Hawthorne Street near production well P-2 to Rand Avenue.

The January 2008 groundwater flow map for the Main Sand indicates the flow direction underlying Hartford was primarily northeasterly with localized variable flow directions in the vicinity of and towards Production Wells P-1/P-2 and Shallow Pumping Well RPW-01 located in the northwestern portion of the Premcor Facility, north of East Hawthorne Street (Figure 4). Hartford Municipal Well #3 was in operation at the time of the January gauging.

Gauging results indicated that light non-aqueous phase liquid (LNAPL) was primarily found in the combined EPA and Main Sand Strata, and was limited in Hartford to south of Rand Avenue,

east of Illinois State Route 3 and north of East Maple Street. A localized identification of LNAPL was present in the Rand Stratum at the northeast corner of the Site. The extent of the dissolved phase hydrocarbon plume is defined within the available area of investigation.

The sentinel wells have not been impacted by the LNAPL underlying northern Hartford. In addition, BTEX or MTBE constituents were not detected at quantifiable concentrations or detected above applicable TACO Tier 1 GROs for Class I groundwater in the sentinel wells.

Groundwater analytical results along the southern and western boundary of the interpreted extent of the Rapid Optical Screening Tool (ROST) response showed no indications of dissolved phase hydrocarbons. Groundwater analytical results along the northern (HMW-49C and D) and eastern (HMW-50C) boundaries of the Site indicate the presence of dissolved phase hydrocarbon concentrations above groundwater comparison values. Summaries of the groundwater analytical results (BTEX, MTBE, total lead, and dissolved lead concentrations) for the Rand Stratum, EPA Stratum and Main Sand are presented in Figures 5, 6, and 7, respectively.

The conclusions drawn from the first quarter 2008 activities are consistent with Clayton's (2006) *Dissolved Phase Groundwater Investigation Report,* with previous quarterly groundwater monitoring reports, and with groundwater flow in the Main Sand, which, based on a review of both historical and January 2008 flow mapping data, has consistently been northerly:

- The extent of the dissolved phase hydrocarbon plume is defined within the available area of investigation. The plume is bounded by approximately Hawthorne Street to the south and along portions of Illinois Route 3 to the west. Neither the Hartford Municipal Wells nor the sentinel wells have not been impacted by the LNAPL.
- The groundwater analytical results along the southern and western boundaries of the interpreted extent of the ROST response did not indicate the presence of dissolved phase hydrocarbons.
- The groundwater analytical results along the northern and eastern boundaries of the Site indicated the presence of dissolved phase hydrocarbon concentrations above applicable groundwater comparison values.

- The sentinel wells have not been impacted by the LNAPL underlying northern Hartford. BTEX or MTBE constituents were not detected at quantifiable concentrations or detected above applicable TACO Tier 1 GROs for Class I groundwater. The conclusion is also based on the groundwater flow mapping of the Main Sand, which shows flow in the area of the LNAPL plume in northern Hartford is to the northeast, away from the Hartford WHPA and the Hartford municipal water supply wells.

The next quarterly sampling event is scheduled to begin April 7, 2008. This event will be conducted in accordance with the January 2006 *Dissolved Phase Groundwater Investigation Report* (Clayton, 2006). A well gauging event will also be conducted for the Hartford, the Shell Tannery Property, the Shell Rand Avenue Site, and Premcor groundwater monitoring wells at that time.

Please contact me with any questions.

Very truly yours,

Steven J. Shroff
Project Manager

Enclosures

SJS/mlr

Table 1	Summary of 2008 Quarterly Groundwater Elevations Through January – The Hartford Area Hydrocarbon Plume Site
Table 2	Summary of 2008 Quarterly Groundwater Elevations Through January – Wells (Shell Tannery Property and the Shell Rand Avenue Site) Outside of Hartford, Illinois
Table 3	Summary of 2008 Quarterly Groundwater Elevations Through January – Wells Located in Premcor Facility
Table 4	Summary of Groundwater Analytical Results – BTEX and MTBE – January 2008
Table 5	Summary of Groundwater Analytical Results – Metals (Total and Dissolved) – January 2008
Table 6	Summary of Groundwater Analytical Results – General Chemistry and Natural Attenuation Parameters – January 2008
Table 7	Indicator Parameters – January 2008 Quarterly Sampling
Figure 1	Groundwater Elevation Map – January 7-8, 2008 – North Olive Stratum
Figure 2	Groundwater Flow Map – January 7-8, 2008 – Rand Stratum
Figure 3	Groundwater Flow Map – January 7-8, 2008 – Combined EPA Stratum and Shallow Main Sand Strata
Figure 4	Groundwater Flow Map – January 7-8, 2008 – Main Sand
Figure 5	Groundwater Analytical Results – Rand Stratum
Figure 6	Groundwater Analytical Results – EPA Stratum
Figure 7	Groundwater Analytical Results – Main Sand Stratum

cc: Hartford Working Group
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TABLE 1
SUMMARY OF 2008 QUARTERLY GROUNDWATER ELEVATIONS THROUGH JANUARY
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR 000128249
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D_o	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
HB-16	Main	1/7/2008	431.42	34.79	35.07	396.63	396.35	0.28	0.018901743	396.57	40.50	TD not measured
HB-30	Main	1/7/2008	431.08	34.21	35.03	396.87	396.05	0.82	0.066011891	396.68	35.05	TD not measured
HB-31	Main	1/7/2008	431.49								40.90	Inaccessible; Access not Allowed by Property Owner
HB-32	Main	1/7/2008	433.45		37.48		395.97		0.00	395 97	45.91	TD not measured
HB-33	Rand / C Clay / EPA / D Clay / Main Sand	1/7/2008	429.46								6.32	No Measurements; Well Dry
HB-37	Main	1/7/2008	431.77	35.29	35.35	396.48	396.42	0.06	0.004830138	396.47	37.23	TD not measured
HB-38	Main	1/7/2008	429.92		32 79		397.13		0.00	397.13	34.55	TD not measured
HMW-01	Rand	1/7/2008	429.94								22.94	No Measurements; Well Dry
HMW-02	Main	1/7/2008	429.65	32 99	34.86	396.66	394.79	1.87	0.31	396.23	36.55	TD not measured
HMW-03	EPA	1/7/2008	428.72		30.83		397.89		0.00	397.89	34.21	TD not measured
HMW-04	Rand	1/7/2008	428.96		18.85		410.11		0.00	410.11	25.53	TD not measured
HMW-07	Rand	1/7/2008	429.12		25.84		403.28		0.00	403.28	26.43	TD not measured
HMW-08	Main	1/7/2008	429.74	33.29	35.58	396.45	394.16	2.29	0.44	395.92	42.17	TD not measured
HMW-09	N. Olive / B Clay / Rand	1/7/2008	430.23								23.18	No Measurements; Well Dry
HMW-10	Main	1/7/2008	430.2	33.52	34.87	396.68	395.33	1.35	0.14	396.37	43.06	TD not measured
HMW-13	North Olive	1/7/2008	430.81		18.73		412.08		0.00	412.08	18.94	TD not measured
HMW-14	Rand / C Clay / Main Sand	1/7/2008	430.86	34.15	36.1	396.71	394.76	1.95	0.33	396.26	38.34	TD not measured
HMW-18	Main	1/7/2008	431.58	34.56	36.53	397.02	395.05	1 97	0.34	396.57	41.05	TD not measured
HMW-19	Main	1/7/2008	431.8	35.02	36.2	396.78	395.6	1.18	0.09	396.51	40.90	TD not measured
HMW-20	Rand / C Clay / Main Sand	1/7/2008	430.65	34.09	35.07	396.56	395.58	0 98	0.078892259	396.33	38.78	TD not measured
HMW-21	N. Olive / B Clay / Rand	1/7/2008	430.05								24.68	No Measurements; Well Dry
HMW-22	Main	1/7/2008	430.15	33.64	36.03	396.51	394.12	2.39	0.47	395.96	40.30	TD not measured
HMW-25	Main	1/7/2008	427.45		29 9		397.55		0.00	397.55	38.90	TD not measured
HMW-26	Main	1/7/2008	425.2		27.45		397.75		0.00	397 75	39.51	TD not measured
HMW-27	Main	1/7/2008	430.51		32.67		397.84		0.00	397.84	35.03	TD not measured
HMW-28	Main	1/7/2008	430.97		32.87		398.1		0.00	398 1	36.61	TD not measured
HMW-29	Main	1/7/2008	429.13		30.55		398.58		0 00	398.58	34.50	TD not measured
HMW-30	Rand / C Clay / Main Sand	1/7/2008	430.07	33.79	35.35	396.28	394 72	1.56	0 00	395.92	43.83	TD not measured
HMW-31	Rand / C Clay / Main Sand	1/7/2008	430.09	34.01	34 7	396.08	395 39	0.69	0.046579294	395.92	43.70	TD not measured
HMW-32	Rand / C Clay / Main Sand	1/7/2008	430.01	33.91	34.52	396.1	395 49	0.61	0.041178796	395.96	43.45	TD not measured
HMW-33	Rand / C Clay / Main Sand	1/7/2008	430.13	33.65	36.11	396.48	394.02	2.46	0.47	395.91	41.81	TD not measured
HMW-34	Rand / C Clay / Main Sand	1/7/2008	429.83	33.16	35.22	396.67	394.61	2.06	0 35	396.2	44.00	TD not measured
HMW-35	Rand / C Clay / Main Sand	1/7/2008	429.81	33.14	35.26	396.67	394.55	2.12	0.36	396.18	44.33	TD not measured
HMW-36	Rand / C Clay / Main Sand	1/7/2008	429.91	33.22	35.41	396.69	394.5	2.19	0.39	396.19	44.25	TD not measured
HMW-37	Rand / C Clay / Main Sand	1/7/2008	429.61	32.89	34.9	396.72	394.71	2.01	0.33	396.26	44.10	TD not measured
HMW-38A	North Olive	1/7/2008	430.06								16.79	No Measurements; Well Dry
HMW-38B	B/C Clay (PL in B/C Clay)	1/7/2008	429.93								25.17	No Measurements; Well Dry
HMW-38C	Main	1/7/2008	430.23		34.76		395.47		0.00	395.47	42.49	TD not measured
HMW-39A	Main Silt (Rand Horizon)	1/7/2008	426.46		20.39		406.07		0.00	406.07	20.60	TD not measured
HMW-39B	Main Silt (Rand Horizon)	1/7/2008	426.55		24.07		402.48		0.00	402.48	29.76	TD not measured
HMW-39C	Main	1/7/2008	426.28		30.36		395 92		0 00	395.92	35.78	TD not measured
HMW-40A	A Clay	1/7/2008	425.01								13.25	No Measurements, Well Dry
HMW-40B	Main	1/7/2008	424 86		24 36		400.5		0.00	400 5	24.65	TD not measured
HMW-40C	Main	1/7/2008	425.01		28.79		396.22		0.00	396.22	39.15	TD not measured
HMW-41A	Main Silt (Rand Horizon)	1/7/2008	425.42								18.15	No Measurements; Well Dry
HMW-41B	Main Silt (Rand Horizon)	1/7/2008	425.62		28 27		397.35		0.00	397 35	31.84	TD not measured
HMW-41C	Main	1/7/2008	425.85		28.75		397.1		0.00	397.1	48.14	TD not measured
HMW-42A	Main Silt (Rand Horizon)	1/7/2008	431.39								26.15	No Measurements; Well Dry
HMW-42B	Main	1/7/2008	431.46	33.8	33.84	397.66	397.62	0.04	0.003220092	397.65	39.73	TD not measured
HMW-43A	North Olive	1/7/2008	428.73								17.64	No Measurements; Well Dry

50

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The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR 000128249
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D_o	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
HMW-43B	B/C Clay (PL in B/C Clay)	1/7/2008	428.63								22.35	No Measurements; Well Dry
HMW-43C	Main	1/7/2008	428.96		32.31		396.65		0.00	396 65	41.50	TD not measured
HMW-44A	North Olive	1/7/2008	429.47		16.07		413.4		0.00	413.4	16.37	TD not measured
HMW-44B	Rand	1/7/2008	429.41								23.78	No Measurements; Well Dry
HMW-44C	Main	1/7/2008	428.38	31.78	33.55	396.6	394.83	1.77	0.24	396.19	41.65	TD not measured
HMW-44D	Main	1/7/2008	429.76		33.58		396.18		0.00	396.18	50.52	TD not measured
HMW-45A	North Olive	1/7/2008	431.17								17.64	No Measurements; Well Dry
HMW-45B	Rand	1/7/2008	431.22		27.6		403.62		0.00	403.62	28.12	TD not measured
HMW-45C	Main	1/7/2008	430.87	35.12	35.44	395.75	395.43	0.32	0.021601992	395.68	45.50	TD not measured
HMW-46A	North Olive	1/7/2008	430.51								17.55	No Measurements; Well Dry
HMW-46B	B/C Clay (PL in B/C Clay)	1/7/2008	430.61		24.75		405.86		0.00	405.86	25.51	TD not measured
HMW-46C	Main	1/7/2008	430.49	34.91	35.14	395.58	395.35	0.23	0.015526431	395.53	40 74	TD not measured
HMW-47A	North Olive	1/7/2008	430.5		19.34		411.16		0.00	411.16	19.57	TD not measured
HMW-47B	B/C Clay (PL in B/C Clay)	1/7/2008	430.13		21.62		408.51		0.00	408.51	22.65	TD not measured
HMW-47C	Main	1/7/2008	430.61	35.01	35.1	395.6	395.51	0.09	0 00607556	395.58	44.93	TD not measured
HMW-48A	North Olive	1/7/2008	429.16		13.86		415.3		0.00	415 3	14.38	TD not measured
HMW-48B	Rand	1/7/2008	429.18		18.89		410.29		0 00	410.29	29.19	TD not measured
HMW-48C	EPA	1/7/2008	429.02	31.1	31.51	397.92	397 51	0 41	0.027677552	397.83	40.96	TD not measured
HMW-48D	Main	1/7/2008	428.98		33.27		395 71		0.00	395.71	53 13	TD not measured
HMW-49A	North Olive	1/7/2008	430.21		12.88		417.33		0.00	417 33	13.11	TD not measured
HMW-49B	B/C Clay (PL in B/C Clay)	1/7/2008	430.23		23.43		406.8		0.00	406.8	24.18	TD not measured
HMW-49C	EPA	1/7/2008	430.18		33.03		397.15		0 00	397.15	39.22	TD not measured
HMW-49D	Main	1/7/2008	430.25		35.06		395.19		0.00	395.19	50.06	TD not measured
HMW-50A	Rand	1/7/2008	434.43		23.51		410.92		0.00	410.92	29.88	
HMW-50B	EPA	1/7/2008	434.43		35.64		398.79		0.00	398.79	42.82	
HMW-50C	Main	1/7/2008	434 28		38.48		395 8		0.00	395.8	59.45	
HMW-51A	North Olive	1/7/2008	425.46								13.82	No Measurements; Well Dry
HMW-51B	Main	1/7/2008	425 51		24.75		400.76		0 00	400.76	25.27	TD not measured
HMW-51C	Main	1/7/2008	425.42		28.86		396.56		0.00	396.56	41.91	TD not measured
HMW-52A	Main Silt (N. Olive Horizon)	1/7/2008	427.8								20.36	No Measurements; Well Dry
HMW-52B	Main Silt (Rand Horizon)	1/7/2008	427.81								26.63	No Measurements; Well Dry
HMW-52C	Main	1/7/2008	427.83		31		396.83		0.00	396 83	39.35	TD not measured
HMW-53A	North Olive	1/7/2008	429.73								15.90	No Measurements; Well Dry
HMW-53B	Main Silt (Rand Horizon) / Main Sand	1/7/2008	429.76	33.05	33.88	396.71	395.88	0.83	0.066816914	396.52	41.06	TD not measured
HMW-53C	Main	1/7/2008	429.66		33.16		396.5		0.00	396.5	46.94	TD not measured
HMW-54A	North Olive	1/7/2008	429.54								15.89	No Measurements; Well Dry
HMW-54B	Main	1/7/2008	429.55	32.98	33 91	396.57	395.64	0.93	0.056744436	396 36	44.48	TD not measured
HMW-54C	Main	1/7/2008	429.56		33 22		396.34		0.00	396 34	49.81	TD not measured
HP-01A	Main	1/7/2008	425.84		27.51		398.33		0 00	398 33	36.98	TD not measured
HP-01B	Main	1/7/2008	425.77		27.43		398.34		0.00	398.34	67.95	TD not measured
HP-01C	Main	1/7/2008	425.84		27.52		398.32		0.00	398.32	99.72	TD not measured
HP-02	Main	1/7/2008	429.92		31.39		398.53		0 00	398.53	36 69	TD not measured
HP-03A	Main	1/7/2008	429.28		30.75		398.53		0.00	398.53	44.91	TD not measured
HP-03B	Main	1/7/2008	429 24		30.71		398.53		0.00	398.53	73.18	TD not measured
HP-03C	Main	1/7/2008	429.1		30.54		398.56		0.00	398.56	101.00	TD not measured
HP-04A	Main	1/7/2008	430.94		32.8		398.14		0.00	398.14	45.00	TD not measured
HP-04B	Main	1/7/2008	430.94		32.76		398.18		0.00	398.18	73 12	TD not measured
HP-04C	Main	1/7/2008	430.96		32.77		398 19		0.00	398.19	101.00	TD not measured
HP-05A	Main	1/7/2008	424.42		25.42		399		0.00	399	39.48	TD not measured
HP-05B	Main	1/7/2008	424.58		25.5		399.08		0.00	399.08	66.21	TD not measured

60

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The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR 000128249
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D_o	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
HP-05C	Main	1/7/2008	424.43		25.51		398.92		0 00	398.92	96.04	TD not measured
HP-06	Main	1/7/2008	425.88		26.86		399.02		0.00	399.02	40.13	TD not measured
HP-07	Main	1/7/2008	429.04		29.83		399.21		0.00	399.21	44 02	TD not measured
HP-08	Main	1/7/2008	429.81		30.36		399.45		0.00	399 45	40.25	TD not measured
HP-09	Main	1/7/2008	431.45		32.57		398.88		0.00	398.88	44.61	TD not measured
IEPA-04	Main	1/7/2008	430.35	33.72	34.67	396.63	395.68	0.95	0.064130912	396.41	42 92	TD not measured
MP-05D	Rand	1/7/2008	430 02								28 17	Inaccessible; Could Not Locate
MP-05S	A Clay	1/7/2008	429.83								9.65	Inaccessible; Could Not Locate
MP-06D	Rand	1/7/2008	430.13								27.37	Inaccessible, Could Not Locate
MP-06S	A Clay	1/7/2008	430.15								9.81	Inaccessible; Could Not Locate
MP-07D	Rand	1/7/2008	430.16		24.81		405.35		0 00	405.35	26.78	TD not measured
MP-07S	A Clay	1/7/2008	430.17		4.14		426.03		0.00	426.03	9.79	TD not measured
MP-08D	Rand	1/7/2008	430.14		25.18		404.96		0.00	404.96	25.61	TD not measured
MP-08S	A Clay	1/7/2008	430.2		6.16		424.04		0.00	424.04	9.83	TD not measured
MP-09D	Rand	1/7/2008	430	24.02	24.04	405.98	405.96	0.02	0.001350124	405.98	24.63	TD not measured
MP-09S	A Clay	1/7/2008	430.05		4.68		425.37		0.00	425.37	9.55	TD not measured
MP-10D	B/C Clay / Main Silt (Rand Horizon)	1/7/2008	430.37		22.28		408.09		0.00	408.09	24.95	TD not measured
MP-10S	A Clay	1/7/2008	430.53								9 90	No Measurements; Well Dry
MP-11D	B/C Clay / Main Silt (Rand Horizon)	1/7/2008	431.19		23.4		407.79		0.00	407 79	24.70	TD not measured
MP-11S	A Clay	1/7/2008	431.19								9 70	No Measurements; Well Dry
MP-12D	B Clay / Rand / C Clay	1/7/2008	431.63								23.05	No Measurements; Well Dry
MP-12S	A Clay	1/7/2008	431.7								9.87	No Measurements; Well Dry
MP-13D	Main Silt (Rand Horizon)	1/7/2008	429.3		27.52		401.78		0.00	401.78	27.68	TD not measured
MP-13S	A Clay	1/7/2008	429.2								9.15	No Measurements; Well Dry
MP-14D	Main Silt (Rand Horizon)	1/7/2008	429 51		26.77		402.74		0.00	402.74	26.91	TD not measured
MP-14S	A Clay	1/7/2008	429 51								9.32	No Measurements; Well Dry
MP-15D	Main Silt (Rand Horizon)	1/7/2008	429.58		26.8		402.78		0 00	402.78	26.91	TD not measured
MP-15S	A Clay	1/7/2008	429.63								9.45	No Measurements, Well Dry
MP-16D	Main Silt (Rand Horizon)	1/7/2008	429.77								27.66	No Measurements; Well Dry
MP-16S	A Clay	1/7/2008	429.75								9.77	No Measurements; Well Dry
MP-25	N. Olive / B Clay / Rand	1/7/2008	429.71		27.77		401 94		0.00	401.94	28.51	TD not measured
MP-26	N. Olive / B Clay / Rand	1/7/2008	429.54		28.04		401.5		0 00	401.5	28.65	TD not measured
MP-27	N. Olive / B Clay / Rand	1/7/2008	429.55		28.67		400 88		0.00	400.88	28.79	TD not measured
MP-28	Rand	1/7/2008	429.8		25 2		404.6		0.00	404.6	28.74	TD not measured
MP-29A	North Olive	1/7/2008	429.39								11.89	No Measurements; Well Dry
MP-29B	Rand	1/7/2008	429.43								20.32	No Measurements; Well Dry
MP-29C	Rand	1/7/2008	429.39	24.85	27.71	404.54	401.68	2.86	0.59	403.88	28.30	TD not measured
MP-29D	Main	1/7/2008	429.47	33.1	35.41	396.37	394.06	2.31	0.42	395.84	41.00	TD not measured
MP-30A	North Olive	1/7/2008	431.2		18.51		412.69		0.00	412.69	18.56	TD not measured
MP-30B	Rand	1/7/2008	431.21		25.37		405.84		0.00	405.84	29.95	TD not measured
MP-30C	Main	1/7/2008	431.13	35 09	35.4	396.04	395.73	0.31	0.024955715	395.97	50.00	TD not measured
MP-31A	A Clay	1/7/2008	426.71								9.69	No Measurements; Well Dry
MP-31B	North Olive	1/8/2008	426.79	15.99	16	410.8	410.79	0.01	0.00	410.8	17.79	TD not measured
MP-31C	Main	1/7/2008	426.98		30.76		396.22		0.00	396.22	38.08	TD not measured
MP-32A	North Olive	1/7/2008	429.68								14.06	No Measurements; Well Dry
MP-32B	Main	1/7/2008	429.68		30.91		398.77		0.00	398.77	31.05	TD not measured
MP-32C	Main	1/8/2008	429 72	33.62	33.67	396.1	396.05	0.05	0.004025115	396.09	48.23	TD not measured
MP-33A	A Clay	1/7/2008	430.05		9.6		420.45		0.00	420.45	9.92	TD not measured
MP-33B	North Olive	1/7/2008	430.09								14.15	No Measurements; Well Dry

49

TABLE 1
SUMMARY OF 2008 QUARTERLY GROUNDWATER ELEVATIONS THROUGH JANUARY
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR 000128249
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D_o	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
MP-33C	Rand	1/7/2008	430.09								25.87	No Measurements; Well Dry
MP-33D	Main	1/7/2008	430.09	33.95	34.2	396.14	395.89	0.25	0.020125576	396.08	44.37	TD not measured
MP-34A	North Olive	1/7/2008	430.97		15.42		415.55		0.00	415.55	15.79	TD not measured
MP-34B	Rand	1/7/2008	430.7								24.32	No Measurements; Well Dry
MP-34C	Main	1/7/2008	430.88	34 43	35.19	396.45	395 69	0.76	0 061181752	396.28	43.61	TD not measured
MP-35A	A Clay	1/7/2008	430.36								9.88	No Measurements; Well Dry
MP-35B	North Olive	1/7/2008	430 41								17.05	No Measurements; Well Dry
MP-35C	Rand	1/7/2008	430.44								25.31	No Measurements; Well Dry
MP-35D	Main	1/7/2008	430.43	33.93	36.11	396.5	394.32	2.18	0.4	396	43.01	TD not measured
MP-36A	North Olive	1/7/2008	431.91								12.61	No Measurements; Well Dry
MP-36B	Rand	1/8/2008	431.94		27.96		403.98		0.00	403.98	29.14	TD not measured
MP-36C	Main	1/7/2008	431.99	35 43	37.39	396.56	394.6	1.96	0.34	396.11	43.73	TD not measured
MP-37A	North Olive	1/7/2008	429 01								13.05	No Measurements; Well Dry
MP-37B	Rand	1/7/2008	428.99								22.70	No Measurements; Well Dry
MP-37C	C Clay	1/7/2008	429.07		24.98		404.09		0.00	404.09	27.99	TD not measured
MP-37D	Main	1/7/2008	429.04	32.55	34.61	396.49	394.43	2.06	0.37	396.02	40.05	TD not measured
MP-38A	North Olive	1/7/2008	427.17								12.00	No Measurements; Well Dry
MP-38B	Main Silt (Rand Horizon)	1/7/2008	427.03								23.20	No Measurements; Well Dry
MP-38C	Main	1/7/2008	426.91	29.91	32.98	397	393.93	3.07	0.68	396.29	39.10	TD not measured
MP-39A	North Olive	1/7/2008	432.09								12.90	No Measurements; Well Dry
MP-39B	Rand	1/7/2008	432.07								26.00	No Measurements; Well Dry
MP-39C	Main	1/7/2008	432.07	35.09	37.11	396 98	394.96	2.02	0.35	396.52	44.36	TD not measured
MP-40A	A Clay	1/7/2008	431.02								11.01	No Measurements; Well Dry
MP-40B	Main Silt (Rand Horizon)	1/7/2008	431.04								29.49	No Measurements; Well Dry
MP-40C	Main	1/7/2008	431.04	34.52	35.46	396.52	395.58	0.94	0.075672167	396.3	48.86	TD not measured
MP-41A	North Olive	1/7/2008	431.24								13 50	No Measurements; Well Dry
MP-41B	Rand	1/7/2008	431.23								25.80	No Measurements; Well Dry
MP-41C	Main	1/7/2008	431.08	34.44	36.07	396 64	395.01	1.63	0.23	396.27	44.60	TD not measured
MP-42A	North Olive	1/7/2008	430.21								17.76	No Measurements; Well Dry
MP-42B	Rand	1/7/2008	430.2								28.41	No Measurements; Well Dry
MP-42C	Main	1/7/2008	430.32	33.78	35.85	396.54	394.47	2.07	0.37	396.06	39.73	TD not measured
MP-43A	North Olive	1/7/2008	426.75								8.38	No Measurements; Well Dry
MP-43B	Main Silt (Rand Horizon)	1/7/2008	426.72								17.22	No Measurements; Well Dry
MP-43C	Main Silt (Rand Horizon) / Main Sand	1/7/2008	426.39	29.83	30.33	396.56	396.06	0.5	0.040251153	396.45	36.40	TD not measured
MP-44A	A Clay	1/7/2008	430.64								9.82	No Measurements; Well Dry
MP-44B	North Olive	1/7/2008	430.54								14.60	No Measurements; Well Dry
MP-44C	Rand	1/7/2008	430.54								24.54	No Measurements; Well Dry
MP-44D	Main	1/7/2008	430 62	33.92	35.22	396.7	395.4	1.3	0.13	396.4	44.60	TD not measured
MP-45A	North Olive	1/7/2008	430.04								12.76	No Measurements; Well Dry
MP-45B	Rand	1/7/2008	430.04								23.64	No Measurements; Well Dry
MP-45C	Main	1/7/2008	429.93	33.11	35.43	396.82	394.5	2.32	0.45	396.29	44.20	TD not measured
MP-46A	North Olive	1/7/2008	429.67								14.69	No Measurements; Well Dry
MP-46B	Rand	1/7/2008	429.65								24.25	No Measurements; Well Dry
MP-46C	Main	1/7/2008	429.6	32.85	35	396.75	394 6	2.15	0.4	396.26	41.36	TD not measured
MP-47A	North Olive	1/7/2008	429.12								14.10	No Measurements; Well Dry
MP-47B	Rand	1/7/2008	429.05								22.33	No Measurements; Well Dry
MP-47C	Main	1/7/2008	429.01	32.25	34.15	396.76	394.86	1 9	0.28	396.32	38.45	TD not measured
MP-48A	North Olive	1/7/2008	428.92								18.73	No Measurements; Well Dry
MP-48B	Main Silt (Rand Horizon)	1/7/2008	429.04								30 69	No Measurements; Well Dry
MP-48C	Main	1/7/2008	429.41	32.7	33.62	396.71	395.79	0.92	0.074062121	396.5	48.11	TD not measured

50

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SUMMARY OF 2008 QUARTERLY GROUNDWATER ELEVATIONS THROUGH JANUARY
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR 000128249
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D_o	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
MP-49A	A Clay	1/7/2008	431.07								10.99	No Measurements; Well Dry
MP-49B	Rand	1/7/2008	431 08								23 91	No Measurements; Well Dry
MP-49C	Main	1/7/2008	431 07	34.12	35.94	396.95	395.13	1.82	0.29	396.53	43.30	TD not measured
MP-50A	A Clay	1/7/2008	430.31								14.43	No Measurements; Transducer in Well
MP-50B	Rand	1/7/2008	430.29								24.20	No Measurements; Transducer in Well
MP-50C	Main	1/7/2008	429.98								43.97	No Measurements; Transducer in Well
MP-51A	A Clay	1/7/2008	430.9								9.79	No Measurements; Well Dry
MP-51B	North Olive	1/7/2008	430.91		14.6		416.31		0.00	416.31	14.97	TD not measured
MP-51C	Rand	1/7/2008	430.93								24.59	No Measurements; Well Dry
MP-51D	Main	1/8/2008	430.99	34.14	36.23	396.85	394.76	2 09	0 38	396.37	42.90	TD not measured
MP-52A	A Clay	1/7/2008	429.96								9.99	No Measurements; Well Dry
MP-52B	Rand	1/7/2008	429.97								22.62	No Measurements; Well Dry
MP-52C	Main	1/7/2008	429.99	32.99	34.99	397	395	2	0 35	396.54	41.97	TD not measured
MP-53A	A Clay	1/7/2008	430.59		11.64		418 95		0 00	418.95	11.77	TD not measured
MP-53B	Rand	1/7/2008	430.6								24 48	No Measurements; Well Dry
MP-53C	Main	1/7/2008	430.52	33.88	34.82	396.64	395.7	0 94	0.075672167	396.42	44.65	TD not measured
MP-54A	North Olive	1/7/2008	430								12.44	No Measurements; Well Dry
MP-54B	Rand	1/7/2008	429.99								24 36	No Measurements; Well Dry
MP-54C	Main	1/7/2008	430.07	33.35	34.69	396.72	395.38	1.34	0.14	396.41	43.22	TD not measured
MP-55A	N. Olive / B Clay	1/7/2008	429.65								16.97	No Measurements; Well Dry
MP-55B	Rand	1/7/2008	429.64								23 88	No Measurements; Well Dry
MP-55C	Main	1/7/2008	429.67	33.12	34.36	396.55	395.31	1.24	0.09	396.26	43.26	TD not measured
MP-56A	North Olive	1/7/2008	430.25		10.81		419.44		0.00	419.44	11.00	TD not measured
MP-56B	Rand	1/7/2008	430.25								27.23	No Measurements; Well Dry
MP-56C	Main	1/7/2008	430.15	33.43	34.51	396.72	395.64	1.08	0.06	396.47	44 88	TD not measured
MP-57A	North Olive	1/7/2008	429.05								14.78	No Measurements; Well Dry
MP-57B	Rand	1/7/2008	429.04								24.30	No Measurements; Well Dry
MP-57C	Main	1/7/2008	429.15	32.42	33.61	396.73	395.54	1.19	0.09	396.46	44.36	TD not measured
MP-58A	A Clay	1/7/2008	430.29								10.03	No Measurements; Well Dry
MP-58B	Main Silt (Rand Horizon)	1/7/2008	430.29		21.1		409.19		0.00	409.19	21.04	TD not measured
MP-58C	Main	1/7/2008	430.33	33.38	33.91	396 95	396.42	0.53	0.042666222	396.83	39 02	TD not measured
MP-59A	A Clay	1/7/2008	429.97								9.38	No Measurements; Well Dry
MP-59B	Main Silt (Rand Horizon)	1/7/2008	429.88								17.85	No Measurements; Well Dry
MP-59C	Main	1/7/2008	429.9	32.83	32.85	397.07	397.05	0 02	0.001610046	397.07	34.89	TD not measured
MP-60A	A Clay	1/7/2008	429.21								9.78	No Measurements; Well Dry
MP-60B	Main Silt (Rand Horizon)	1/7/2008	429 2		20.61		408.59		0 00	408.59	20.71	TD not measured
MP-60C	Main	1/7/2008	429.21	32.31	33.55	396.9	395.66	1 24	0.11	396.61	37.34	TD not measured
MP-61A	A Clay	1/7/2008	429.98								10.31	No Measurements; Well Dry
MP-61B	Main Silt (Rand Horizon)	1/7/2008	429.98								21.31	No Measurements; Well Dry
MP-61C	Main	1/7/2008	430		32.4		397.6		0.00	397.6	37.10	TD not measured
MP-62A	A Clay	1/7/2008	429.11		8.84		420.27		0.00	420.27	9.63	TD not measured
MP-62B	Main Silt (N. Olive Horizon)	1/7/2008	429.11								18.15	No Measurements; Well Dry
MP-62C	Main	1/7/2008	428.94		31.72		397.22		0.00	397.22	37.01	TD not measured
MP-63A	A Clay	1/7/2008	429.26		9.84		419 42		0 00	419.42	9.58	TD not measured
MP-63B	Main Silt (N. Olive Horizon)	1/7/2008	429.26								19.78	No Measurements; Well Dry
MP-63C	Main	1/7/2008	429.29		32.22		397.07		0.00	397.07	36.76	TD not measured
MP-64A	A Clay	1/7/2008	428.73								9.67	No Measurements; Well Dry
MP-64B	Main Silt (N. Olive Horizon)	1/7/2008	428.74								21.41	No Measurements; Well Dry

48

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1190505040 -- Madison County -- ILR 000128249
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Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D_o	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
MP-64C	Main	1/7/2008	428.55	31.35	32.26	397.2	396.29	0 91	0.073257098	396 99	36.70	TD not measured
MP-65A	Main Silt (N Olive Horizon)	1/7/2008	431.41		16.38		415.03		0.00	415.03	16 35	TD not measured
MP-65B	Main	1/7/2008	431.44								24.82	No Measurements; Well Dry
MP-65C	Main	1/7/2008	431.42		33.45		397 97		0.00	397.97	40.11	TD not measured
MP-66A	Main Silt (N. Olive Horizon)	1/7/2008	430.81		14.25		416.56		0.00	416.56	14 40	TD not measured
MP-66B	Main Silt (Rand Horizon)	1/7/2008	430 82		25.21		405.61		0.00	405.61	25.45	TD not measured
MP-66C	Main	1/7/2008	430.79		32.5		398.29		0.00	398.29	39.94	TD not measured
MP-67A	A Clay	1/7/2008	430.29		9.91		420.38		0.00	420.38	10.03	TD not measured
MP-67B	Main Silt (Rand Horizon)	1/7/2008	430.31		25.41		404 9		0.00	404.9	25.51	TD not measured
MP-67C	Main	1/7/2008	430.19		32.83		397.36		0.00	397.36	39.85	TD not measured
MP-68	North Olive	1/7/2008	431.36								16.73	No Measurements; Well Dry
MP-69	North Olive	1/7/2008	431.57								16.30	No Measurements; Well Dry
MP-70	North Olive	1/7/2008	431								15.95	No Measurements; Well Dry
MP-71	North Olive	1/7/2008	430.14								14.74	No Measurements; Well Dry
MP-72	North Olive	1/7/2008	430.51								15.73	No Measurements; Well Dry
MP-73	North Olive	1/7/2008	430.84								16.80	No Measurements; Well Dry
MP-74	North Olive	1/7/2008	431.38								17.77	No Measurements; Well Dry
MP-75	North Olive	1/7/2008	430.66								18.17	No Measurements; Well Dry
MP-76	North Olive	1/7/2008	430.75								17.36	No Measurements; Well Dry
MP-77A	A Clay	1/7/2008	430.53								10 46	No Measurements; Well Dry
MP-77B	Main Silt (Rand Horizon)	1/7/2008	430.62								24.63	No Measurements; Well Dry
MP-77C	Main	1/7/2008	430.46	33.41	35.22	397.05	395.24	1.81	0.29	396.63	38.76	TD not measured
MP-78A	A Clay	1/7/2008	430.38		7.9		422.48		0.00	422.48	7.98	TD not measured
MP-78B	North Olive	1/7/2008	430.23								13.85	No Measurements; Well Dry
MP-78C	Rand	1/7/2008	430.29								24.25	No Measurements; Well Dry
MP-78D	Main	1/7/2008	430.17		34 58		395.59		0.00	395 59	37.86	TD not measured
MP-79A	North Olive	1/7/2008	429.44								16.84	No Measurements; Well Dry
MP-79B	Rand	1/7/2008	429.48		28 01		401 47		0.00	401.47	28.86	TD not measured
MP-79C	Main	1/7/2008	429.52	35.75		393.77			0.13		37.20	TD not measured
MP-79D	Main	1/7/2008	429.46		33.65		395.81		0.00	395.81	50.64	TD not measured
MP-80A	North Olive	1/7/2008	430.03								18.81	No Measurements, Well Dry
MP-80B	Rand	1/7/2008	430.01		20.71		409.3		0.00	409.3	29.60	TD not measured
MP-80C	Main	1/8/2008	430.03	33.69	35.29	396.34	394.74	1.6	0.22	395.97	43.61	TD not measured
MP-81A	A Clay	1/7/2008	425.57								7.70	No Measurements; Well Dry
MP-81B	Main Silt (Rand Horizon)	1/7/2008	425.53								18.77	No Measurements; Well Dry
MP-81C	Main	1/7/2008	425.4		28.34		397.06		0.00	397.06	32.40	TD not measured
MP-82A	A Clay	1/8/2008	431.67								10.62	No Measurements; Well Dry
MP-82B	Main Silt (Rand Horizon)	1/8/2008	431.58								25.72	No Measurements; Well Dry
MP-82C	Main	1/7/2008	431.61	34.63	34.69	396 98	396.92	0.06	0.004830138	396.97	38.69	TD not measured
MP-83A	North Olive	1/7/2008	426.92								15.38	No Measurements; Well Dry
MP-83B	Rand	1/7/2008	426.94								23.53	No Measurements; Well Dry
MP-83C	Main	1/7/2008	426.79		30.93		395.86		0 00	395.86	42.02	TD not measured
MP-84A	A Clay	1/7/2008	432.08								8.58	No Measurements; Well Dry
MP-84B	Main Silt (Rand Horizon)	1/7/2008	432.07								25.51	No Measurements; Well Dry
MP-84C	Main Silt (Rand Horizon) / Main Sand	1/7/2008	432.1	34.88	37.05	397.22	395.05	2.17	0.4	396.72	37.88	TD not measured
MP-85A	North Olive	1/7/2008	428.07		9.6		418 47			418.47	10.28	TD not measured
MP-85B	Rand	1/7/2008	428.06	19.27	19.66	408.79	408.4	0.39	0.026327427	408.7	20.54	TD not measured
MP-85C	EPA	1/8/2008	428.08	31.52	31.59	396.56	396.49	0 07	0.004725436	396.54	36.00	TD not measured
MP-85D	Main	1/7/2008	427.86		31.91		395.95			395.95	49.55	TD not measured
MP-86A	A Clay	1/7/2008	431.31								7.48	No Measurements, Well Dry

60

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Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
MP-86B	Main Silt (Rand Horizon)	1/7/2008	431.28								25.62	No Measurements; Well Dry
MP-86C	Main	1/7/2008	431.2	34.29	34.45	396.91	396.75	0.16	0.012880369	396.87	39.23	TD not measured
MP-87A	A Clay	1/7/2008	432.01								6.57	No Measurements; Well Dry
MP-87B	Main Silt (Rand Horizon)	1/7/2008	432.01								25.64	No Measurements; Well Dry
MP-87C	Main	1/7/2008	432 08	35	36.5	397.08	395.58	1.5	0.19	396.74	39.73	TD not measured
MP-88A	A Clay	1/7/2008	430.6								9.83	No Measurements; Well Dry
MP-88B	Main Silt (Rand Horizon)	1/7/2008	430.6								20.71	No Measurements; Well Dry
MP-88C	Main	1/7/2008	430.51	33.41	33.42	397.1	397.09	0.01	0.000805023	397.1	38.67	TD not measured
MP-89A	A Clay	1/7/2008	429.17		9.56		419.61		0 00	419.61	9.77	TD not measured
MP-89B	Main Silt (Rand Horizon)	1/7/2008	429.17								19.77	No Measurements; Well Dry
MP-89C	Main	1/7/2008	429.25		31.9		397.35		0 00	397.35	37.84	TD not measured
MP-90BR	Main Silt (N. Olive Horizon)	1/7/2008	429.95								15.91	No Measurements; Well Dry
MP-90C	Main Silt (Rand Horizon) / Main Sand	1/7/2008	429.95	32.97	34.25	396.98	395.7	1.28	0.12	396.69	40.40	TD not measured
MP-91B	Main Silt (N. Olive Horizon)	1/7/2008	425.98								14.48	No Measurements; Well Dry
MP-91C	Main Silt (Rand Horizon)	1/7/2008	425.98								27.70	No Measurements; Well Dry
MP-91D	Main	1/7/2008	425.96		29 3		396.66		0.00	396.66	44.22	TD not measured
MP-92C	North Olive	1/7/2008	427.71								19.91	No Measurements; Well Dry
MP-92D	Main Silt (Rand Horizon) / Main Sand	1/7/2008	427.98		31.16		396.82		0.00	396.82	36.63	TD not measured
MP-93A	Fill / A Clay	1/7/2008	429.74								6.10	No Measurements; Well Dry
MP-93B	A Clay	1/7/2008	429.84								11.69	No Measurements; Well Dry
MP-94A	A Clay	1/7/2008	428.63								9.73	No Measurements; Well Dry
MP-94B	Main Silt	1/7/2008	428.72								17.79	No Measurements; Well Dry
MP-95A	A Clay	1/7/2008	428.6								9 65	No Measurements; Well Dry
MP-95B	Main Silt	1/7/2008	428.67								16.73	No Measurements; Well Dry
MP-96A	A Clay	1/7/2008	429.42		5.08		424.34		0.00	424 34	5.11	TD not measured
MP-96B	North Olive	1/7/2008	429.57								15.57	No Measurements; Well Dry
MP-96C	Rand	1/7/2008	429.38								23.66	No Measurements; Well Dry
MP-96D	Main	1/7/2008	429.48	32 89	34.28	396 59	395.2	1.39	0.16	396.27	34.58	TD not measured
MP-97A	A Clay	1/7/2008	429.33								4.78	No Measurements; Well Dry
MP-97B	North Olive	1/7/2008	429.31								15.65	No Measurements; Well Dry
MP-97C	Rand	1/7/2008	429.3								23.71	No Measurements; Well Dry
MP-97D	Main	1/7/2008	429.31	32.72	34.23	396.59	395.08	1.51	0.19	396 24	40.14	TD not measured
MP-98A	A Clay	1/7/2008	429.4								4.66	No Measurements; Well Dry
MP-98B	North Olive	1/7/2008	429.38								15.31	No Measurements; Well Dry
MP-98C	Rand	1/7/2008	429.38								23.80	No Measurements; Well Dry
MP-99A	A Clay	1/7/2008	431.59								6.90	No Measurements; Well Dry
MP-99B	Main Silt	1/7/2008	431.58								13.35	No Measurements; Well Dry
MP-99C	Main	1/7/2008	431.56								34.71	No Measurements; Well Dry
MP-100A	Fill	1/8/2008	431.55								4.19	No Measurements; Well Dry
MP-100B	A Clay	1/8/2008	431.62								7.25	No Measurements; Well Dry
MP-100C	Main Silt	1/8/2008	431.67								13.27	No Measurements; Well Dry
MP-100D	Main	1/8/2008	431.65								34.71	No Measurements; Well Dry
MP-101A	A Clay	1/7/2008	431.29		7.04		424.25		0 00	424.25	7.90	TD not measured
MP-101B	Main Silt	1/7/2008	431.3								13.93	No Measurements; Well Dry
MP-101C	Main	1/7/2008	431.31		34.32		396.99		0.00	396.99	34.64	TD not measured
MP-102A	A Clay	1/7/2008	431.14								7.74	No Measurements; Well Dry
MP-102B	Main Silt	1/7/2008	431.13								14.71	No Measurements; Well Dry
MP-102C	Main	1/7/2008	431.13								34.55	No Measurements; Well Dry
MP-103A	A Clay	1/7/2008	431.23								7.80	No Measurements; Well Dry

49

TABLE 1
SUMMARY OF 2008 QUARTERLY GROUNDWATER ELEVATIONS THROUGH JANUARY
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR 000128249
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D_o	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
MP-103B	Main Silt	1/7/2008	431.25								14.58	No Measurements; Well Dry
MP-103C	Main	1/7/2008	431 24								34.92	No Measurements; Well Dry
MP-104A	A Clay	1/7/2008	431.26								7 78	No Measurements; Well Dry
MP-104B	Main Silt	1/7/2008	431.29								14.41	No Measurements; Well Dry
MP-104C	Main	1/7/2008	431.25								34.60	No Measurements; Well Dry
MP-105A	A Clay / N.Olive	1/7/2008	430.95								9.70	No Measurements; Well Dry
MP-105B	A Clay / N.Olive	1/7/2008	431.36								9.39	No Measurements; Well Dry
MP-105C	A Clay / N.Olive	1/7/2008	431.35								9.36	No Measurements; Well Dry
MP-105D	A Clay / N.Olive	1/7/2008	431.43								9.24	No Measurements; Well Dry
MP-105E	A Clay / N.Olive	1/7/2008	431.46								9.51	No Measurements; Well Dry
MP-106A	A Clay	1/7/2008	429 49								5.22	No Measurements; Well Dry
MP-106B	North Olive	1/7/2008	429.48								13.64	No Measurements; Well Dry
MP-106C	Rand	1/7/2008	429.49								22.70	No Measurements; Well Dry
MP-107A	A Clay	1/7/2008	429.76								5.21	No Measurements; Well Dry
MP-107B	North Olive	1/7/2008	429.8								13.24	No Measurements; Well Dry
MP-107C	Rand	1/7/2008	429.74								21.80	No Measurements; Well Dry
MP-108A	A Clay	1/7/2008	429.57								5.15	No Measurements; Well Dry
MP-108B	North Olive	1/7/2008	429.62								13.72	No Measurements; Well Dry
MP-108C	Rand	1/7/2008	429.6								21.69	No Measurements; Well Dry
RW-1	Main	1/7/2008	433.78		36.92		396.86			396.86		TD not measured
RW-2	Main	1/7/2008	431.99	35.33	37.38	396.66	394.61	2 05	0.36	396.19	50.44	TD not measured
RW-3	Main	1/7/2008	433.35	37.07	38.73	396.28	394.62	1.66	0.22	395.9	47.15	TD not measured
RW-4	Rand / C Clay / Main Sand	1/7/2008	429.65		33.65		396		0.00	396	43.10	TD not measured
RW-4A	Rand / C Clay / Main Sand	1/7/2008	429.86	33.58	34.93	396.28	394.93	1.35	0.13	395.97	44.29	TD not measured
RW-5	Rand / C Clay / Main Sand	1/7/2008	430.22	33.55	35.55	396.67	394.67	2	0.35	396.21	44 10	TD not measured

25

371 total

TABLE 2
SUMMARY OF 2008 QUARTERLY GROUNDWATER ELEVATIONS THROUGH JANUARY
Wells (Shell Sites) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR 000128249
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
P-77	Main	1/7/2008	434.71		38.79				395.92	72.52	
P-78	Main	1/7/2008	433.33		37.41				395.92	67.50	
P-79	Main	1/7/2008	432.72		36.77				395.95	62.51	
P-80	Main	1/7/2008	433.10		37.17				395.93	64.40	
P-81	EPA	1/7/2008	433.26		36.60				396.66	43.10	
P-104	Rand	1/7/2008	432.74		25.15				407.59	27.75	
P-105	EPA	1/7/2008	432.59		35.05				397.54	39.76	
P-106	Main	1/7/2008	432.70		36.70				396.00	53.60	
P-107	EPA	1/7/2008	431.92		33.26				398 66	42.08	
P-131	Rand	1/7/2008	432 65		25.45				407.20	27.02	
P-132	EPA	1/7/2008	432.12		33.29				398.83	36.55	
P-133	Rand	1/7/2008	431.06		25.08				405.98	25.11	
P-134	Rand	1/7/2008	432.55							24.20	Dry
SP-1	Rand	1/7/2008	429.01		17.10				411.91	26.85	
SP-2B	EPA	1/7/2008	429.11		30.05				399.06	37.30	
SP-3	Rand	1/7/2008	431.64		19.04				412.60	27.00	
SP-5	Rand	1/7/2008	431.15		18.86				412.29	28.00	
SP-6	Rand	1/7/2008	433.08		20.08				413.00	27.65	
SP-7	Rand	1/7/2008	429.03		17.00				412.03	25.09	
SP-8	Rand	1/7/2008	429.03		16.85				412.18	25.00	
SP-9	Rand	1/7/2008	432.65		19.80				412.85	24.86	
SP-10	Rand	1/7/2008	432.61		19.85				412.76	28.03	
SP-11	Rand	1/7/2008	432.40		19.31				413.09	24.83	
SP-15	Rand	1/7/2008	428.89		17.32				411.57	22.09	
SP-16	Rand	1/7/2008	429.43		18.00				411.43	28.21	
SP-19	Rand	1/7/2008	430.87		20.88				409.99	23.61	
SP-20	Rand	1/7/2008	431.16		20.09				411.07	23.61	
SP-21	Rand	1/7/2008	431.68		22.41				409.27	24.30	Strong petroleum-like odor
SP-22	Rand	1/7/2008	430.35		18.71				411.64	27.10	
SP-23	Rand	1/7/2008	430.70		19.82				410.88	24.80	Strong organic odor
SP-24	Rand	1/7/2008	428.89		16.80				412.09	25 52	
SP-25	Rand	1/7/2008	428.61							21.56	Well surface destroyed during rem. syst. removal
SP-26	Rand	1/7/2008	429.88		17 99				411.89	25.94	
SP-27	Rand	1/7/2008	431.93	19.88	20.97	412.05	410 96	1 09	411.77	18.30	Trace product visually observed on probe
SP-28	Rand	1/7/2008	432.21		19 57				412.64	29.80	
SP-29	Rand	1/7/2008	431.81		19.55				412.26	29.80	
SP-30	Rand	1/7/2008	431.87		21 01				410.86	30.34	Strong petroleum-like odor
SP-31	Rand	1/7/2008	429.77		18.27				411.50	26.17	
SP-32	Rand	1/7/2008	430.49		18.94				411.55	26.34	
SP-33	Rand	1/7/2008	430.99		19.67				411.32	29.96	
SP-34	Rand	1/7/2008	430.17		19.22				410.95	29.11	
SP-35	Rand	1/7/2008	431.13		19 20				411.93	27.95	
SP-36	Main	1/7/2008	429 50		33.85				395.65	50.67	
SP-37	EPA	1/7/2008	429.71		31.60				398.11	32.06	
SP-38	Rand	1/7/2008	430.90		24.87				406.03	20.41	
SP-39	Rand	1/7/2008	429.29		18.76				410 53	24.05	
SP-40	EPA	1/7/2008	429.22		29.95				399.27	37 38	
SP-41	Main	1/7/2008	429.04		33.76				395.28	55.20	
SP-42	Main	1/7/2008	431.76		36.20				395.56	50 00	
SP-43	EPA	1/7/2008	431.79		31.20				400.59	35.70	

TABLE 2
SUMMARY OF 2008 QUARTERLY GROUNDWATER ELEVATIONS THROUGH JANUARY
Wells (Shell Sites) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR 000128249
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
SP-44	Rand	1/7/2008	431.89		20.80				411.09	18.10	
SP-45	EPA	1/7/2008	434.16		35.21				398.95	45.63	
SP-46	Main	1/7/2008	434.06		38.45				395.61	54.92	
SP-47	EPA	1/7/2008	432.96		33.99				398.97	44.33	
SP-48	EPA	1/7/2008	432.31		34.29				398 02	46.98	
SP-49	EPA	1/7/2008	428.85		30.56				398.29	41.77	
SP-50	EPA	1/7/2008	432.47		33.74				398.73	44.10	
SP-51	Main	1/7/2008	432.49		36.95				395.54	56.45	
SP-52	Rand	1/7/2008	428.99		18.70				410.29	26.34	
SP-53	EPA	1/7/2008	428.92		30.58				398.34	35.66	
SP-54	Main	1/7/2008	428.90		33.48				395.42	51.50	
SP-55	Rand	1/7/2008	432.31		19.41				412.90	29.02	
SP-56	EPA	1/7/2008	432.21		33.39				398.82	43.07	
SP-57	Main	1/7/2008	432.15		36.61				395 54	54.42	
SP-58	EPA	1/7/2008	431.93		33.42				398 51	48.30	
SP-59	Main	1/7/2008	431.94		36.62				395 32	57 69	
SP-60	Main	1/7/2008	432.05		36.60				395.45	58.41	
TP-PZ-1	EPA	1/7/2008	437.36		38.42				398.94	48.42	
TP-PZ-2	EPA	1/7/2008	434.43		35.48				398.95	46.81	

TABLE 3
SUMMARY OF 2008 QUARTERLY GROUNDWATER ELEVATIONS THROUGH JANUARY
Wells Located in Premcor Facility

1190500002 -- Madison County -- ILD041889023
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
DS-01	Main	1/7/2008	430.94	33.95	34.29	396.99	396.65	0.3400002	396.92	34.60	
DS-02	Main	1/7/2008	431.13	33.99	34.2	397.14	396.93	0.2099991	397.09	34.83	
DS-03	Main	1/7/2008	430.49	33.4	34.92	397.09	395.57	1.519997	396.76	34.50	
DS-04	Main	1/7/2008	431.26	34.48	34.84	396.78	396.42	0.3600006	396.7	34.95	
FP STAFF GAUGE		1/7/2008	442.21		7 45		434 76		434.76		
GB STAFF GAUGE		1/7/2008	432.1								NM- Unable to access
GB-01	Main	1/7/2008	431.59		32.51		399.08		399.08	41.85	
GB-06	Main	1/7/2008	430.53		32.8		397.73		397.73	43.31	
LP-04	Main	1/7/2008	432.55		34.76		397.79		397.79	42.10	
MP-01D	EPA	1/7/2008	431.04							38.74	NM-Could not locate
MP-01S	North Olive	1/7/2008	431.37							26.87	NM-Could not locate
MP-02D	EPA	1/7/2008	430.27							33.65	NM-Could not locate
MP-02S	North Olive	1/7/2008	430.66							27.22	NM-Could not locate
MP-03D	EPA	1/7/2008	430.51							33.60	NM-Could not locate
MP-03S	North Olive	1/7/2008	430.59							27.01	NM-Could not locate
MP-04D	EPA	1/7/2008	430.42							33.85	Dry
MP-04S	North Olive	1/7/2008	430.42							26.53	NM-Could not locate
MW-01	Main	1/7/2008	420.39		20.13		400.26		400.26	27.10	
MW-02	Main	1/7/2008	419.1		19.27		399.83		399.83	24.98	
MW-03	Main	1/7/2008	421.37		21.66		399.71		399.71	26.65	
MW-04	Main	1/7/2008	421.38		21.93		399.45		399.45	27.99	
P-6E	Main	1/7/2008	429.73	33.68	35.33	396.05	394.4	1.650002	395.69	93.05	
P-6N	Main	1/7/2008	430.29		34.51		395.78		395.78	102.00	
P-6S	Main	1/7/2008	430.28		34.51		395.77		395.77	96.13	
PRODUCT PIPELNE SUMP		1/7/2008			13 59					14.20	
RB-01	Main	1/7/2008	430.28							33.55	Dry
RB-08	EPA	1/7/2008	433.42	24.75		408.67				29.58	
RB-08P	Main	1/7/2008	432.39	33.19	40.65	399.2	391.74	7.460003	397.56	72.00	
RB-10	Combined EPA-Main	1/7/2008	430.16	33.59	33.84	396.57	396 32	0.25	396.52	46.64	
RB-13	EPA	1/7/2008	430 79		32.66		398.13		398.13	45.09	
RB-22	Main	1/7/2008	431.06							32.78	Dry
RB-25	EPA	1/7/2008	432.1		35.53		396.57		396.57	47.60	
RB-26	EPA	1/7/2008	430.05		32.98		397.07		397.07	49.25	
RB-29	North Olive	1/7/2008	431.97	13.73	14.64	418 24	417.33	0.9100008	418.04	21.97	
RB-30	Main	1/7/2008	431.94		34.93		397.01		397.01	46.22	
RB-35	EPA	1/7/2008	429.49	32.23	33.88	397.26	395.61	1.650002	396.9	44.96	
RB-36	North Olive	1/7/2008	429.21		24.35		404.86		404.86	27.27	
RB-37	Main	1/7/2008	428.52							60.81	NM - Skimmer Pump
RB-38	Main	1/7/2008	433.73		37.66		396.07		396 07	52.91	
RB-39	EPA	1/7/2008	431.54		32.97		398.57		398 57	45.06	
RB-40	Main	1/7/2008	433.51		37.04		396.47		396.47	36.70	
RB-41	Main	1/7/2008	433.25		37.04		396.21		396.21	46.94	
RB-42	Main	1/7/2008	428.47		31.9		396.57		396.57	44.75	
RB-43	Main	1/7/2008	427.99		28.85		399.14		399 14	36.71	
RB-44	Main	1/7/2008	432 99		34.16		398.83		398.83	41 01	
RB-45	Main	1/7/2008	431.95		33.38		398.57		398.57	46.00	
RB-46	Main	1/7/2008	430.61		33		397.61		397.61	40.98	
RB-47	Main	1/7/2008	431.05		33.7		397.35		397.35	42.14	

TABLE 3
SUMMARY OF 2008 QUARTERLY GROUNDWATER ELEVATIONS THROUGH JANUARY
Wells Located in Premcor Facility

1190500002 -- Madison County -- ILD041889023
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
RB-48	Main	1/7/2008	431.36							37.37	NM - Skimmer Pump
RB-49	Main	1/7/2008	429.32		5.05		424.27		424 27	45 19	
RB-50	Main	1/7/2008	431.47		8.58		422.89		422.89	47.02	
RB-51	Main	1/7/2008	431.54		32.49		399.05		399.05	42.91	
RB-52	Main	1/7/2008	431.97							44.15	NM - Skimmer Pump
RB-53	EPA	1/7/2008	433.31							44.65	NM - Skimmer Pump
RB-54	EPA	1/7/2008	431.79		29.42		402.37		402.37	40.44	
RB-55	EPA	1/7/2008	433.82							41.32	NM - Skimmer Pump
RB-56	EPA	1/7/2008	431.89							46.45	NM - Skimmer Pump
RD NORTH STAFF GAUGE		1/7/2008									
RMP-05B	North Olive	1/7/2008	430.96		18		412.96		412.96	18.10	
RMP-05C	EPA	1/7/2008	431.24		35.57		395.67		395.67	41.40	
RMP-05D	Main	1/7/2008	431.41		36.05		395.36		395.36	54.10	
RMP-06B	North Olive	1/7/2008	429.97							17.15	Dry
RMP-06C	EPA	1/7/2008	429.88		33.04		396.84		396.84	36.63	
RMP-06D	Main	1/7/2008	430.26		34.4		395.86		395.86	53.63	
RMP-07B	North Olive	1/7/2008	430.58							17.72	Dry
RMP-07C	EPA	1/7/2008	430.49		34.26		396.23		396.23	40.05	
RMP-07D	Main	1/7/2008	430.56		34.8		395.76		395.76	52.88	
RMP-08B	North Olive	1/7/2008	433.42							19.86	Dry
RMP-08C	EPA	1/7/2008	433.37		35.89		397.48		397.48	42.25	
RMP-08D	Main	1/7/2008	433.33		37.22		396.11		396.11	56.11	
RMP-09B	North Olive	1/7/2008	433.95		20.87		413.08		413.08	20.93	
RMP-09C	Main	1/7/2008	434.2	37.72	39.34	396.48	394.86	1.619999	396.12	50.26	
RMP-10B	North Olive	1/7/2008	430.7		17.8		412.9		412.9	17.82	
RMP-10C	Main	1/7/2008	430.74	34.09	35.76	396.65	394.98	1.669998	396.28	45.00	
RMP-11B	North Olive	1/7/2008	429.81							18.33	Dry
RMP-11C	Main	1/7/2008	429.82	32.89	35.66	396.93	394.16	2.77	396.32	43.97	
RMP-12B	North Olive	1/7/2008	430.45							18.47	Dry
RMP-12D	Main	1/7/2008	430.35		33.77		396 58		396.58	48.90	
RMP-13C	Main	1/7/2008	431.32		34.42		396.9		396.9	41.11	
RMP-14C	Main	1/7/2008	430.64	32.62	39.92	398.02	390 72	7.299999	396 41	40 47	
RMP-15B	North Olive	1/7/2008	433.77		20.82		412.95		412.95	20.90	
RMP-16B	EPA	1/7/2008	434.13	37.87	39 29	396 26	394.84	1.420002	395.95	41.09	
RMP-17A	Main	1/7/2008	434.2	37.74	39.71	396.46	394.49	1.969997	396.03	44.68	
RMP-18A	Main	1/7/2008	430.07	33.43	35.16	396.64	394.91	1.73	396.26	40.08	
RMP-19A	Main	1/7/2008	430.41	33.8	34.75	396.61	395.66	0.9500008	396.4	42.11	
RMW-01A	Main	1/7/2008	429.78		10.1		419.68		419.68	10.30	
RMW-01B	Main	1/7/2008	429.72		26.21		403.51		403.51	26.75	
RMW-01C	Main	1/7/2008	429.48	31.9	34.99	397.58	394.49	3.090002	396.9	40.70	
RMW-01D	Main	1/7/2008	429.66		32.79		396.87		396.87	64.85	
RMW-01E	Main	1/7/2008	429.63		32.78		396.85		396.85	84.86	
RMW-01F	Main	1/7/2008	429.43		32.54		396.89		396.89	106.41	
RMW-02A	North Olive	1/7/2008	433 64		21.92		411.72		411.72	22.01	
RMW-02B	Main	1/7/2008	433.64		26.56		407.08		407.08	27.55	
RMW-02C	Main	1/7/2008	433 34	36.53	38.16	396.81	395.18	1.630001	396.45	50.41	
RMW-02D	Main	1/7/2008	433.41		36.9		396 51		396.51	67.70	
RMW-02E	Main	1/7/2008	433.54		37.04		396.5		396.5	88.31	
RMW-02F	Main	1/7/2008	433.64		37.15		396.49		396.49	113.18	
RMW-03A	North Olive	1/7/2008	434.1		22.25		411.85		411 85	22.56	

TABLE 3
SUMMARY OF 2008 QUARTERLY GROUNDWATER ELEVATIONS THROUGH JANUARY
Wells Located in Premcor Facility

1190500002 -- Madison County -- ILD041889023
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
RMW-03B	Combined EPA-Main	1/7/2008	434.01	37.96	39.37	396.05	394 64	1.41	395.74	47.35	
RMW-03C	Main	1/7/2008	434.21		38.45		395.76		395.76	54.18	
RMW-04A	North Olive	1/7/2008	433.02		20 82		412.2		412.2	21.56	
RMW-04B	EPA	1/7/2008	433.07		34.32		398.75		398.75	44.59	
RMW-04C	Main	1/7/2008	433.11		37.07		396.04		396.04	57.30	
RMW-04D	Main	1/7/2008	432.83		36.84		395.99		395 99	74 99	
RMW-04E	Main	1/7/2008	432.82		36.8		396.02		396.02	94.30	
RMW-04F	Main	1/7/2008	432.37		36.33		396.04		396.04	113.30	
RMW-05A	North Olive	1/7/2008	431.85		21.26		410.59		410.59	21.68	
RMW-05B	EPA	1/7/2008	431.78		33.21		398.57		398.57	44.98	
RMW-05C	Main	1/7/2008	431.78		33.75		398.03		398.03	56.73	
RMW-06A	North Olive	1/7/2008	430.4		17.96		412.44		412.44	18.26	
RMW-06B	Main	1/7/2008	430.39		24.7		405 69		405.69	24.95	
RMW-06C	Main	1/7/2008	430.37		30.51		399.86		399.86	30.70	
RMW-06D	Main	1/7/2008	430.41		34.11		396.3		396.3	47.05	
RMW-06E	Main	1/7/2008	430.02		34.01		396.01		396.01	68 66	
RMW-06F	Main	1/7/2008	429.67		33.65		396.02		396.02	88.69	
RMW-06G	Main	1/7/2008	430 01		34.01		396		396	118.33	
RMW-07A	North Olive	1/7/2008	429		19.49		409.51		409 51	22.44	
RMW-07B	Main	1/7/2008	429.11		23.08		406.03		406.03	29.15	
RMW-07C	Main	1/7/2008	429.34							46.90	NM - Skimmer Pump
RMW-07D	Main	1/7/2008	428.62		32.66		395.96		395.96	67.53	
RMW-07E	Main	1/7/2008	428.95		33		395.95		395.95	87.63	
RMW-07F	Main	1/7/2008	429.2		33.21		395.99		395.99	117.07	
RMW-08A	Main	1/7/2008	432.52		33.55		398.97		398.97	33.65	
RMW-08B	Main	1/7/2008	432.49		36.42		396.07		396.07	48.22	
RMW-08C	Main	1/7/2008	432.32		36.19		396.13		396.13	69.80	
RMW-08D	Main	1/7/2008	432.43		36.32		396.11		396.11	89.27	
RMW-08E	Main	1/7/2008	432.52		36.36		396.16		396.16	>100	
RMW-09A	North Olive	1/7/2008	430.71		12.4		418.31		418.31	25.48	
RMW-09B	EPA	1/7/2008	430.67	33.55	36.5	397.12	394.17	2.950001	396.47	46.41	
RMW-10A	North Olive	1/8/2008	430.53		12.72		417.81		417.81	20.66	
RMW-10B	Main	1/8/2008	430.42		33.65		396.77		396.77	45.70	
RMW-10C	Main	1/8/2008	428.09		31 33		396.76		396.76	65.74	
RMW-10D	Main	1/8/2008	428		31.25		396 75		396.75	80.55	
RMW-10E	Main	1/8/2008	427.87		31.05		396.82		396.82	108.21	
RMW-11A	North Olive	1/7/2008	429.7		15.17		414.53		414.53	20.44	
RMW-11B	Main	1/7/2008	429.88		23.22		406 66		406.66	27.11	
RMW-11C	Main	1/7/2008	430.27	33.15	34.56	397 12	395.71	1.41	396 81	44 20	
RMW-12A	North Olive	1/7/2008	432.43		15.84		416.59		416.59	25.54	
RMW-12B	Main	1/7/2008	432 57		30.21		402.36		402 36	30.75	
RMW-12C	Main	1/7/2008	432.25		35.14		397.11		397.11	47 11	
RMW-13A	North Olive	1/7/2008	429.26		10.65		418.61		418.61	23.65	
RMW-13B	Main	1/7/2008	429 25		22.37		406.88		406.88	27 49	
RMW-13C	Main	1/7/2008	429 06		32.04		397.02		397.02	48.47	
RMW-14A	North Olive	1/7/2008	433.12		22.16		410.96		410.96	22 65	
RMW-14B	Main	1/7/2008	433.14		23.57		409.57		409.57	33.12	
RMW-14C	Main	1/7/2008	433.1		36.41		396.69		396 69	56.90	
RMW-15A	North Olive	1/7/2008	432.96		19.11		413.85		413.85	24 99	
RMW-15B	Main	1/7/2008	432.96		19.15		413.81		413.81	31.11	
RMW-15C	Combined EPA-Main	1/7/2008	432.95							47.93	NM - Skimmer Pump
RMW-15D	Main	1/7/2008	432.77		36.91		395.86		395.86	73.46	

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Wells Located in Premcor Facility

1190500002 -- Madison County -- ILD041889023
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
RMW-15E	Main	1/7/2008	432.8		36.91		395.89		395.89	93.38	
RMW-15F	Main	1/7/2008	432.36		36.49		395.87		395 87	123.05	
RMW-16A	Main	1/7/2008	430.07							23.19	Dry
RMW-16B	Main	1/7/2008	430.12		32.7		397.42		397.42	43.85	
RMW-16C	Main	1/7/2008	430.15		32.91		397.24		397.24	66.60	
RMW-16D	Main	1/7/2008	430.13		32.9		397.23		397.23	91.92	
RMW-16E	Main	1/7/2008	430.12		32.88		397.24		397.24	>100	
RMW-17A	Main	1/7/2008	431.8							33.27	Dry
RMW-17B	Main	1/7/2008	431.79		33.85		397.94		397.94	48 02	
RMW-17C	Main	1/7/2008	431.51		33.76		397.75		397.75	69.43	
RMW-17D	Main	1/7/2008	431.56		33.78		397.78		397.78	93.45	
RMW-17E	Main	1/7/2008	431.61		33.74		397.87		397.87	>100	
RMW-18A	Main	1/7/2008	429.54		25.1		404.44		404.44	25.22	
RMW-18B	Main	1/7/2008	429.42		32.38		397.04		397.04	40.66	
RMW-19A	Main	1/7/2008	431.33		32.62		398.71		398.71	32.94	
RMW-19B	Main	1/7/2008	431.71		33.4		398.31		398.31	46.96	
RMW-20A	Main	1/7/2008	431.56							32.96	NM - Skimmer Pump
RMW-20B	Main	1/7/2008	431.56							46.65	NM - Skimmer Pump
RMW-21A	Main	1/7/2008	432.16	29.85	29.95	402.31	402.21	0.1000004	402.29	30.13	
RMW-21B	Main	1/7/2008	432.09							42.98	NM - Skimmer Pump
RMW-21C	Main	1/7/2008	429.05		30.23		398.82		398.82	65.55	
RMW-21D	Main	1/7/2008	428.73		29.91		398.82		398.82	91.51	
RMW-21E	Main	1/7/2008	428.3		29.47		398.83		398.83	>100	
RMW-22A	Main	1/7/2008	430.84							28.55	Dry
RMW-22B	Main	1/7/2008	430.76		31.87		398.89		398.89	43.02	
RMW-23A	Main	1/7/2008	430.45	30.43	33.27	400.02	397.18	2.84	399 4	45.38	
RMW-24A	North Olive	1/7/2008	433.3		22.43		410.87		410.87	22 52	
RMW-24B	Main	1/7/2008	433.28		28.77		404.51		404 51	29.57	
RMW-24C	Combined EPA-Main	1/7/2008	433.28	36.7	38.41	396.58	394.87	1.709999	396.2	47 85	
RMW-24D	Main	1/7/2008	433.43		37.38		396.05		396.05	55.20	
RMW-25A	EPA	1/7/2008	433.51		36.53		396.98		396.98	43.90	
RMW-25B	Main	1/7/2008	433.58	37.45	38.21	396.13	395.37	0.7599983	395.96	56.89	
RMW-26A	North Olive	1/7/2008	432.69							21.92	Dry
RMW-26B	Main	1/7/2008	433.01							27.00	Dry
RMW-26C	EPA	1/7/2008	432.79		35.57		397.22		397.22	40.94	
RMW-26D	Main	1/7/2008	432.43		36.43		396		396	56.38	
RMW-27A	Main	1/7/2008	429 81		24.97		404.84		404.84	25.48	
RMW-27B	Main	1/7/2008	429.81		31.93		397.88		397.88	38.45	
RMW-28A	North Olive	1/7/2008	432.42		27.29		405.13		405.13	27.57	
RMW-28B	EPA	1/7/2008	432.42							43.05	NM - Skimmer Pump
RMW-28C	Main	1/7/2008	432.54		36.82		395.72		395.72	54.94	
RMW-29A	Main	1/7/2008	432 65		36.36		396.29		396.29	44.01	
RMW-30A	Main	1/7/2008	428.96		25.33		403.63		403.63	25.81	
RMW-30B	Main	1/7/2008	428.89		30.24		398.65		398.65	39.48	
RMW-31A	Main	1/7/2008	433.26							28.58	Dry
RMW-31B	Main	1/7/2008	433.35	37.45	42.65	395.9	390.7	5.200001	394.76	43.26	
RMW-31C	Main	1/7/2008	433.05		38.08		394.97		394.97	73.15	
RMW-31D	Main	1/7/2008	432.96		38.08		394.88		394.88	94.32	
RMW-31E	Main	1/7/2008	432 86		38.81		394 05		394.05	124 20	
RMW-32A	Main	1/7/2008	429.52		21 65		407 87		407.87	21.97	
RMW-32B	Main	1/7/2008	429.37	33.63	36.98	395.74	392.39	3.349998	395	37.46	
RMW-33A	North Olive	1/7/2008	434.59		22.92		411 67		411.67	23.17	

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1190500002 -- Madison County -- ILD041889023
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
RMW-33B	Main	1/7/2008	434.51		25.11		409.4		409.4	30.51	
RMW-33C	EPA	1/7/2008	434.59		38.06		396.53		396.53	43.58	
RMW-33D	Main	1/7/2008	434.64		38.84		395.8		395.8	57.27	
RMW-34A	North Olive	1/7/2008	432.24		20.5		411.74		411.74	21.05	
RMW-34B	EPA	1/7/2008	431.81		34.42		397.39		397.39	42.20	
RMW-34C	Main	1/7/2008	431.95		35.94		396.01		396.01	57 05	
RMW-34D	Main	1/7/2008	432.24		36.21		396.03		396.03	74.03	
RMW-34E	Main	1/7/2008	432.13		36.08		396.05		396.05	93.54	
RMW-34F	Main	1/7/2008	432.26		36.21		396.05		396.05	116.88	
RMW-35A	North Olive	1/7/2008	431.99		21.27		410.72		410.72	21.61	
RMW-35B	EPA	1/7/2008	432.32		33.84		398.48		398.48	44.71	
RMW-35C	Main	1/7/2008	432.06		36.11		395.95		395.95	57.13	
RMW-35D	Main	1/7/2008	431.7		35.71		395.99		395.99	77.50	
RMW-35E	Main	1/7/2008	431.82		35.83		395.99		395.99	97.80	
RMW-35F	Main	1/7/2008	432.35		36.27		396.08		396.08	120 09	
RMW-36A	North Olive	1/7/2008	431.57		18.63		412.94		412.94	20.48	
RMW-36B	EPA	1/7/2008	431.37		33.87		397.5		397.5	44.17	
RMW-36C	Main	1/7/2008	431.67		35.71		395.96		395.96	57.47	
RMW-36D	Main	1/7/2008	431.12		35.12		396		396	73.10	
RMW-36E	Main	1/7/2008	431.02		35		396.02		396.02	93.26	
RMW-36F	Main	1/7/2008	431.19		35.17		396.02		396.02	112.55	
RMW-37A	Main	1/7/2008	431.4		27.95		403.45		403.45	28.26	
RMW-37B	Main	1/7/2008	431.5		34.88		396.62		396.62	42.02	
RMW-38A	Main	1/7/2008	433							74.56	NM - Skimmer Pump
RMW-39A	Main	1/7/2008	431.06		17.99		413.07		413.07	18.29	
RMW-39B	Main	1/7/2008	431.29							28.45	Dry
RMW-39C	Main	1/7/2008	431.27		34.67		396.6		396.6	43.01	
RMW-40	EPA	1/7/2008	432.41		35.31		397.1		397.1	41.23	
RMW-41A	Main	1/7/2008	434.03		38.49		395.54		395.54	67.30	
RMW-41B	Main	1/7/2008	433.97		38.35		395.62		395.62	88.49	
RMW-41C	Main	1/7/2008	434.05		38.33		395.72		395.72	116.54	
RMW-42A	North Olive	1/7/2008	431.76		21.8		409.96		409.96	21.90	
RMW-42B	EPA	1/7/2008	432.01	35.08	36.11	396.93	395.9	1.029999	396.7	42.92	
RMW-42C	Main	1/7/2008	431.98		35.88		396 1		396.1	56.07	
RMW-43A	Main	1/7/2008	433 74		34.73		399 01		399.01	69.25	
RMW-43B	Main	1/7/2008	433 25		34.23		399.02		399.02	94.24	
RMW-43C	Main	1/7/2008	432.67		33.66		399 01		399.01	>100	
RMW-44A	Main	1/7/2008	431.24		35.2		396 04		396.04	65.29	
RMW-44B	Main	1/7/2008	431.16		35.16		396		396	84.91	
RMW-44C	Main	1/7/2008	430.95		34.89		396 06		396.06	>100	
RMW-45A	North Olive	1/7/2008	430.84		16.85		413 99		413.99	17.01	
RMW-45B	Main	1/7/2008	430.8							44.90	NM - Skimmer Pump
RMW-45C	Main	1/7/2008	430.75		34.59		396.16		396.16	52.05	
RMW-46A	North Olive	1/7/2008	428.79		14.72		414 07		414.07	15.09	
RMW-46B	EPA	1/7/2008	429.07		31.89		397.18		397.18	38.89	
RMW-46C	Main	1/7/2008	428.98		32.91		396.07		396.07	51.66	
RMW-47A	North Olive	1/7/2008	433.82		22.11		411.71		411.71	22.42	
RMW-47B	EPA	1/7/2008	433.5	37.1	38.67	396.4	394 83	1.57	396.05	44.10	
RMW-47C	Main	1/7/2008	433.48		37.48		396		396	55.28	
RMW-48A	North Olive	1/7/2008	433.82		17.53		416.29		416.29	17.84	
RMW-48B	Main	1/7/2008	434.16							50.26	NM - Skimmer Pump
RMW-49A	North Olive	1/7/2008	429.86		16.11		413 75		413.75	16.50	

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The Hartford Working Group / Hartford, Illinois

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RMW-49B	Main	1/7/2008	429.96	33.58	34.2	396.38	395.76	0.6199989	396.24	47.02	
RMW-50A	Main	1/7/2008	431.82		33.75		398.07		398.07	44.65	
RMW-50B	Main	1/7/2008	431.66		33.75		397.91		397.91	70.25	
RMW-50C	Main	1/7/2008	431.64		33.73		397.91		397.91	95.81	
RMW-50D	Main	1/7/2008	431.6		33.6		398		398	>100	
RMW-51A	Main	1/7/2008	428.59		29.82		398.77		398.77	39.38	
RMW-51B	Main	1/7/2008	428.42		29.91		398 51		398.51	59.58	
RMW-51C	Main	1/7/2008	428.7		30.19		398.51		398.51	91.73	
RMW-51D	Main	1/7/2008	428.2		29.72		398.48		398.48	>100	
RMW-52A	Main	1/7/2008	432.37		32.9		399.47		399.47	42.91	
RMW-52B	Main	1/7/2008	432.3		32.88		399.42		399.42	75.50	
RMW-52C	Main	1/7/2008	432.26		32.8		399.46		399.46	96.20	
RMW-52D	Main	1/7/2008	432.21		32.74		399.47		399.47	>100	
RMW-53A	Main	1/7/2008	433.55		33.72		399.83		399 83	74 46	
RMW-53B	Main	1/7/2008	433.46		33 59		399.87		399.87	94.35	
RMW-53C	Main	1/7/2008	433.46		33.6		399.86		399.86	>100	
RMW-54A	Main	1/7/2008	431 8		31.88		399.92		399.92	69.48	
RMW-54B	Main	1/7/2008	431.7		31.78		399.92		399.92	90.30	
RMW-54C	Main	1/7/2008	431 59		31 66		399.93		399.93	>100	
RMW-55A	Main	1/7/2008	429 86		29 95		399.91		399.91	74.95	
RMW-55B	Main	1/7/2008	429.99		30 08		399 91		399.91	92.20	
RMW-55C	Main	1/7/2008	430.06		30 14		399 92		399.92	>100	
RMW-56A	EPA	1/7/2008	434 71	39.98	40 93	394 73	393.78	0.9500008	394.52	44 70	
RMW-56B	Main	1/7/2008	434.61		40 15		394.46		394.46	59.05	
RMW-57A	EPA	1/7/2008	434.23	38.08	39.58	396.15	394.65	1.5	395.82	43.72	
RMW-57B	Main	1/7/2008	434.19		38 37		395.82		395.82	56.33	
RMW-58A	EPA	1/7/2008	430.93	32.31	35.19	398.62	395 74	2 879997	397.99	40.70	
RMW-58B	Main	1/7/2008	430.98	34.7	34.95	396.28	396 03	0.25	396.23	54.05	
RMW-59A	EPA	1/7/2008	430.83	32.95	35.21	397.88	395.62	2.259998	397.38	39 88	
RMW-59B	Main	1/7/2008	430.97		34.77		396.2		396.2	54.39	
RMW-60A	North Olive	1/7/2008	430.79							17.81	Dry
RMW-60B	EPA	1/7/2008	430.78	32.31	35.3	398.47	395.48	2.989998	397.81	41.60	
RMW-60C	Main	1/7/2008	430.78	33.16	40.07	397.62	390.71	6.91	396.1	54.28	
RMW-61A	EPA	1/7/2008	429.91	31.75	33.25	398.16	396.66	1.5	397.83	43.34	
RMW-61B	Main	1/7/2008	429.71		33.82		395.89		395.89	55.15	
RMW-62A	EPA	1/7/2008	429.7	31 61	32.71	398.09	396.99	1.099998	397.85	42.90	
RMW-62B	Main	1/7/2008	429.52		33.61		395.91		395.91	55.93	
RMW-63A	North Olive	1/7/2008	429.75		13.71		416.04		416.04	18.11	
RMW-63B	EPA	1/7/2008	429.63		31.73		397.9		397.9	43.58	
RMW-63C	Main	1/7/2008	429.53		30 59		398 94		398.94	55.76	
RMW-64B	EPA	1/7/2008	433.52	37	37 73	396.52	395.79	0.7299995	396.36	43.90	
RMW-64C	Main	1/7/2008	433.61	37.67	37.73	395 94	395.88	0.06000137	395.93	56.16	
RMW-65A	Main	1/7/2008	433.79		30.09		403 7		403.7	30.51	
RMW-65B	Main	1/7/2008	433.9		37.61		396.29		396.29	43.35	
RMW-65C	Main	1/7/2008	433.8		37.51		396 29		396.29	68.35	
RMW-65D	Main	1/7/2008	433.7		37.36		396 34		396.34	87.89	
RMW-65E	Main	1/7/2008	433.78		37.42		396.36		396.36	>100	
RMW-66A	Main	1/7/2008	430.15		25.72		404.43		404.43	26.02	
RMW-66B	Main	1/7/2008	430.09		33.77		396.32		396.32	40.00	
RMW-66C	Main	1/7/2008	430.19		33.84		396.35		396.35	64 98	
RMW-66D	Main	1/7/2008	429.89		33.54		396.35		396.35	79.71	
RMW-66E	Main	1/7/2008	429.99		33.64		396.35		396.35	>100	

TABLE 3
SUMMARY OF 2008 QUARTERLY GROUNDWATER ELEVATIONS THROUGH JANUARY
Wells Located in Premcor Facility

1190500002 -- Madison County -- ILD041889023
The Hartford Working Group / Hartford, Illinois

Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
RMW-67A	Main	1/7/2008	430.99		25.98		405 01		405.01	26.30	
RMW-67B	Main	1/7/2008	431.12		34.84		396.28		396.28	40.41	
RMW-67C	Main	1/7/2008	430.94		34.63		396.31		396.31	67.88	
RMW-68A	North Olive	1/7/2008	432.7		18.64		414.06		414.06	19.12	
RMW-68B	Main	1/7/2008	432.92	27.61	29.76	405.31	403.16	2.15	404 84	29.96	
RMW-68C	EPA	1/7/2008	432.76		34.4		398.36		398.36	43 59	
RMW-68D	Main	1/7/2008	432.63		35.97		396 66		396.66	57.90	
RMW-68E	Main	1/7/2008	432.51		35.85		396.66		396.66	72.90	
RMW-68F	Main	1/7/2008	432.51		35.82		396.69		396.69	92.78	
RMW-68G	Main	1/7/2008	432.46		35.76		396.7		396.7	>100	
RMW-69A	North Olive	1/7/2008	432.35		15.02		417 33		417.33	21.99	
RMW-69B	EPA	1/7/2008	432.41	33.75	34.52	398 66	397.89	0.7700005	398.49	40.94	
RMW-69C	Main	1/7/2008	432.43		35.09		397.34		397.34	53.71	
RMW-69D	Main	1/7/2008	432.43		35.09		397.34		397.34	73.95	
RMW-69E	Main	1/7/2008	432.56		35.2		397.36		397.36	93.59	
RMW-69F	Main	1/7/2008	432.69		35.33		397.36		397.36	119.27	
RMW-70A	Main	1/7/2008	432.21		20.02		412.19		412.19	20.46	
RMW-70B	Main	1/7/2008	432.3		23.07		409.23		409.23	33.66	
RMW-70C	Main	1/7/2008	432.24		34.47		397.77		397.77	51.49	
RMW-70D	Main	1/7/2008	432.07		34.27		397.8		397.8	67.35	
RMW-70E	Main	1/7/2008	428.64		30.76		397.88		397.88	84.42	
RMW-70F	Main	1/7/2008	428.83		31.1		397.73		397.73	116.28	
RMW-71A	Main	1/7/2008	428.94		29.89		399.05		399.05	65.27	
RMW-71B	Main	1/7/2008	428.76		29.66		399.1		399.1	85.21	
RMW-71C	Main	1/7/2008	428.71		29.61		399.1		399.1	115.11	
RMW-72A	North Olive	1/7/2008	429.26							17 87	Dry
RMW-72B	EPA	1/7/2008	429.3							40.69	NM - Skimmer Pump
RMW-72C	Main	1/7/2008	429.36		33.29		396.07		396.07	52.74	
RMW-73A	North Olive	1/7/2008	430.15		16.05		414.1		414.1	16.25	
RMW-73B	EPA	1/7/2008	430.12	32.71	32.72	397.41	397.4	0.01000214	397.41	40 35	
RMW-73C	Main	1/7/2008	430.16		34.55		395.61		395.61	53.76	
RMW-80A	EPA	1/7/2008	430 23		34.21		396.02		396.02	39.79	
RMW-80B	Main	1/7/2008	430.15		33.89		396.26		396.26	52.96	
RMW-81A	North Olive	1/7/2008	430.88							18.60	Dry
RMW-81B	EPA	1/7/2008	431	32.36	36.09	398.64	394.91	3.73	397.82	40.15	
RMW-81C	Main	1/8/2008	431.08	34.73	34.78	396.35	396.3	0.04999924	396.34	53.72	
RMW-82A	North Olive	1/7/2008	427.67		10 25		417.42		417.42	15.60	
RMW-82B	EPA	1/7/2008	427.86	31.28	31.6	396.58	396.26	0.3199997	396.51	38.13	
RMW-82C	Main	1/7/2008	427.73	30.9	31.34	396.83	396.39	0.4400005	396.73	53.72	
RMW-83A	North Olive	1/7/2008	433.19		14.45		418.74		418.74	18.01	
RMW-83B	Main	1/7/2008	433.09	35.98	38.81	397.11	394.28	2.830002	396.49	45.49	
RMW-84A	North Olive	1/7/2008	433.33		14.43		418 9		418.9	25.02	
RMW-84B	EPA	1/7/2008	433.47	36.38	38.52	397.09	394.95	2.139999	396.62	45.92	
RMW-84C	Main	1/7/2008	433.53		36.98		396.55		396.55	58.76	
RMW-85A	North Olive	1/7/2008	430.32		14.17		416.15		416.15	17.03	
RMW-85B	EPA	1/7/2008	430.2	31.66	33.12	398.54	397.08	1.459999	398 22	40.73	
RMW-85C	Main	1/7/2008	430.23		33 75		396 48		396.48	53.65	
RMW-86A	North Olive	1/7/2008	433 49		21.43		412 06		412.06	21.49	
RMW-86B	EPA	1/7/2008	433.53	36.47	37.83	397.06	395.7	1.360001	396.76	43.23	
RMW-86C	Main	1/7/2008	433.46		36.7		396.76		396.76	55.23	
RMW-87A	North Olive	1/7/2008	429.3		15.34		413.96		413.96	18.20	
RMW-87B	EPA	1/7/2008	429.38	31.85	33.96	397.53	395.42	2.109999	397 07	38.52	

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1190500002 -- Madison County -- ILD041889023
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Well	Stratum Screened	Date	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation (ft)	Total Depth (ft)	Comments
RMW-87C	Main	1/7/2008	428 97		31.94		397.03		397.03	50.47	
RMW-88A	EPA	1/7/2008	428.32	28.52	32 87	399 8	395.45	4.349998	398.85	40.09	
RMW-88B	Main	1/7/2008	428 3	30.92	31.57	397.38	396.73	0.6499996	397.24	51 13	
RMW-89A	Main Silt	1/7/2008	429.06		24.55		404.51		404.51	25.00	
RMW-89B	Main	1/7/2008	428.98	29 3	39	399 68	389.98	9.700001	397.55	39.86	
RMW-90A	Main Silt	1/7/2008	430.01		26 52		403.49		403.49	26.75	
RMW-90B	Main	1/7/2008	429.83	31 85	37.33	397.98	392.5	5.480001	396 77	39.82	
RMW-91A	A Clay	1/7/2008	428.96		11.2		417.76		417.76	16.38	
RMW-91B	EPA	1/7/2008	428.54	31.42	33.22	397.12	395.32	1.800001	396.72	42.99	
RMW-91C	Main	1/7/2008	428.86		32 1		396 76		396.76	55.56	
RMW-92A	Main Silt	1/7/2008	431.65							24.99	Dry
RMW-92B	Main	1/7/2008	431.78		35		396.78		396.78	39.82	
RMW-93A	North Olive	1/7/2008	429.19							20.47	Dry
RMW-93B	EPA	1/7/2008	429.18	32.14	35.94	397.04	393.24	3.799999	396.2	40.56	
RMW-94A	North Olive	1/7/2008	429.61		19.52		410.09		410.09	19.94	
RMW-94B	Main	1/7/2008	429.56	32.61	35.67	396.95	393.89	3.059998	396.28	45.34	
RMW-95	Main	1/7/2008	429.68							45.31	NM - ICE Unit
RMW-96	Main	1/7/2008	429.68							45.93	NM - ICE Unit
RMW-97	Main	1/7/2008	429.83	33.13	35.11	396.7	394.72	1.98	396.26	46.24	
RMW-98A	Main	1/7/2008	429.75		24.28		405.47		405.47	24.72	
RMW-98B	Main	1/7/2008	429.69	33.1	33.71	396.59	395.98	0.6100006	396.46	39.62	
RPW-01	Main	1/8/2008	431.36	42.95	43 28	388 41	388.08	0 329998	388.34	71 97	
SVE-01D	EPA	1/7/2008	430.66							44.56	NM-Unable to access
SVE-01S	North Olive	1/7/2008	431.11		24.68		406.43		406.43	21.54	
T-1 (HT-1)	Main	1/7/2008	431.44							43.95	NM - Skimmer Pump
TH2-88	Main	1/7/2008	430.88		33.6		397.28		397.28	>100	

Table 4
Summary of Groundwater Analytical Results - BTEX and MTBE - January 2008

1190500002 -- Madison County -- ILD041889023
The Hartford Working Group / Hartford, Illinois

Well ID	Date	Constituent				
		Benzene	Toluene	Ethylbenzene	Xylene (total)	Methyl tert-butyl ether
TACO Comparison Value		5 ug/l	1,000 ug/l	700 ug/l	10,000 ug/l	70 ug/l
HMW-25	1/9/2008	2 U	5 U	5 U	5 U	2 U
HMW-26	1/9/2008	2 U	5 U	5 U	5 U	2 U
HMW-27	1/9/2008	2 U	5 U	5 U	5 U	2 U
HMW-28	1/9/2008	2 U	5 U	5 U	5 U	2 U
HMW-29	1/9/2008	2 U	5 U	5 U	5 U	2 U
HMW-39B	1/15/2008	2 U	5 U	5 U	5 U	2 U
HMW-39C	1/14/2008	2 U	5 U	5 U	5 U	2 U
HMW-40C	1/11/2008	2 U	5 U	5 U	5 U	2 U
HMW-49C	1/10/2008	596	1,060	1,660	5,920	157
HMW-49D	1/10/2008	718	28 J	13 J	12 J	113
HMW-49D[1]	1/10/2008	703	26 J	12 J	14 J	104
HMW-50A	1/10/2008	2 U	5 U	5 U	5 U	2 U
HMW-50B	1/11/2008	2 U	5 U	5 U	5 U	2 U
HMW-50C	1/11/2008	103	7	5 U	6	69.9
HMW-50C[1]	1/11/2008	96.2	6.7	5 U	5.9	67.2
HMW-52C	1/10/2008	2 U	5 U	5 U	5 U	2 U
MP-81C	1/9/2008	2 U	5 U	5 U	5 U	2 U
MP-89C	1/11/2008	2 U	5 U	5 U	5 U	2 U
MP-92D	1/10/2008	2 U	5 U	5 U	5 U	2 U

15 total 2 Dups

Notes

=Exceeds Screening Criteria

[1] = Denotes Duplicate Sample

U = Not Detected (value preceding "U" denotes detection limit)

J = Estimated value

All units are in ug/L-micrograms per liter

Comparison values are Tier 1 Class 1 Groundwater Remediation Objectives from Illinois EPA's Tiered Approach to Corrective Action Objectives, last amended February 15, 2007. Comparison values used for comparison purposes only.

Table 5
Summary of Groundwater Analtyical Results - Metal (Total and Dissolved) - January 2008

1190500002 -- Madison County -- ILD041889023
The Hartford Working Group / Hartford, Illinois

Well ID	Date	Constituent															
		Antimony	Antimony (Dissolved)	Arsenic	Arsenic (Dissolved)	Barium	Barium (Dissolved)	Beryllium	Beryllium (Dissolved)	Cadmium	Cadmium (Dissolved)	Chromium	Chromium (Dissolved)	Cobalt	Cobalt (Dissolved)	Iron	Iron (Dissolved)
TACO Comparison Value		0.006 mg/l	0.006 mg/l	0.05 mg/l	0.05 mg/l	2 mg/l	2 mg/l	0.004 mg/l	0.004 mg/l	0.005 mg/l	0.005 mg/l	0.1 mg/l	0.1 mg/l	1 mg/l	1 mg/l	5 mg/l	5 mg/l
HMW-25	1/9/2008	0.005 U	0.005 U	0.003 U	0.003 U	0.254	0.233	0.001 U	0.001 U	0.002 U	0 U	0.01 U	0.01 U	0.01 U	0.01 U	0.214	0.02 U
HMW-26	1/9/2008	0.005 U	0.005 U	0.0043	0.0041	0.141	0.123	0.001 U	0.001 U	0.002 U	0 U	0.01 U	0.01 U	0.01 U	0.01 U	18.9	21.2
HMW-27	1/9/2008	0.0025 J	0.005 U	0.003 U	0.003 U	0.102	0.0912	0.001 U	0.001 U	0.002 U	0 U	0.01 U	0.01 U	0.0067 J	0.0073 J	0.314	0.0225
HMW-28	1/9/2008	0.005 U	0.005 U	0.003 U	0.003 U	0.0968	0.0876	0.001 U	0.001 U	0.002 U	0 U	0.01 U	0.01 U	0.0086 J	0.0037 J	0.144	0.02 U
HMW-29	1/9/2008	0.005 U	0.005 U	0.0013 J	0.001 J	0.143	0.135	0.001 U	0.001 U	0.002 U	0 U	0.01 U	0.01 U	0.0025 J	0.0025 J	6.09	6.43
HMW-39B	1/15/2008	0.005 U	0.005 U	0.003 U	0.003 US	0.311	0.32	0.001 U	0.001 U	0.002 U	0.002 U	0.01 U	0.01 U	0.01 U	0.01 U	0.572	0.02 U
HMW-39C	1/14/2008	0.005 U	0.005 U	0.003 U	0.0008 J	0.448	0.428	0.001 U	0.001 U	0.0003 J	0.0003 J	0.01 U	0.01 U	0.01 U	0.01 U	6.02	5.52
HMW-40C	1/11/2008	0.005 U	0.005 U	0.014	0.0035	0.513	0.51	0.001 U	0.001 U	0.002 U	0.002 U	0.01 U	0.01 U	0.0051 J	0.0039 J	3.41	0.248
HMW-49C	1/10/2008	0.0024 J	0.005 U	0.0068	0.0066	0.243	0.221	0.001 U	0.001 U	0.0005 J	0 UJ	0.01 U	0 UJ	0.0052 J	0.0058 J	15.5	0 J
HMW-49D	1/10/2008	0.005 U	0.005 U	0.0009 J	0.0011 J	0.299	0.274	0.001 U	0.001 U	0.0009 J	0 UJ	0.01 U	0 UJ	0.01 U	0.0033 J	27.4	0 J
HMW-49D[1]	1/10/2008	0.005 U	0.005 U	0.003 U	0.003 U	0.306	0.279	0.001 U	0.001 U	0.0007 J	0.002 U	0.01 U	0.0069 J	0.01 U	0.0027 J	28.5	23.9
HMW-50A	1/10/2008	0.0018 J	0.005 U	0.001 J	0.003 U	0.0447	0.038	0.001 U	0.001 U	0.0005 J	0.002 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0728	0.02 U
HMW-50B	1/11/2008	0.005 U	0.005 U	0.003 U	0.003 U	0.138	0.154	0.001 U	0.001 U	0.002 U	0.002 U	0.01 U	0.01 U	0.01 U	0.01 U	2.23	2.41
HMW-50C	1/11/2008	0 U	0.005 U	0.003 U	0.003 U	0.239	0.285	0.001 U	0.001 U	0.0003 J	0.002 U	0.01 U	0.01 U	0.0036 J	0.01 U	3.61	2.33
HMW-50C[1]	1/11/2008	0.005 U	0.005 U	0.003 U	0.003 U	0.267	0.286	0.001 U	0.001 U	0.002 U	0.002 U	0.01 U	0.01 U	0.0024 J	0.01 U	3.57	2.26
HMW-52C	1/10/2008	0.0037 J	0.005 U	0.0019 J	0.0017 J	0.405	0.348	0.001 U	0.001 U	0.0008 J	0.002 U	0.01 U	0.01 U	0.01 U	0.0022 J	16.9	12.4
MP-81C	1/9/2008	0.005 U	0.005 U	0.003 U	0.003 U	0.0704	0.0641	0.001 U	0.001 U	0.002 U	0.002 U	0.01 U	0.01 U	0.0141	0.0099 J	0.0788	0.016 J
MP-89C	1/11/2008	0.005 U	0.005 U	0.0022 J	0.003 U	0.0614	0.0636	0.001 U	0.001 U	0.0009 J	0.0008 J	0.01 U	0.01 U	0.0224	0.0191	14.4	12.6
MP-92D	1/10/2008	0.005 U	0.005 U	0.0041	0.0035	0.191	0.166	0.001 U	0.001 U	0.0005 J	0.002 U	0.01 U	0.01 U	0.0022 J	0.0029 J	5.27	4.9

19 total

Notes
=Exceeds Screening Criteria
[1] = Denotes Duplicate Sample
U = Not Detected (value preceding "U" denotes detection limit)
J = Estimated value
S = Spike Recovery outside accepted recovery limits
All units are in ug/L-micrograms per liter

Comparison values are Tier 1 Class 1 Groundwater Remediation Objectives from Illinois EPA's Tiered Approach to Corrective Action Objectives, last amended February 15, 2007. Comparison values used for comparison purposes only.

Table 5
Summary of Groundwater Analtyical Results - Metal (Total and Dissolved) - January 2008

1190500002 -- Madison County -- ILD041889023
The Hartford Working Group / Hartford, Illinois

Well ID	Date	Constituent													
		Lead	Lead (Dissolved)	Mercury	Mercury (Dissolved)	Nickel	Nickel (Dissolved)	Selenium	Selenium (Dissolved)	Silver	Silver (Dissolved)	Vanadium	Vanadium (Dissolved)	Zinc	Zinc (Dissolved)
TACO Comparison Value		0.0075 mg/l	0.0075 mg/l	0.002 mg/l	0.002 mg/l	0.1 mg/l	0.1 mg/l	0.05 mg/l	0.05 mg/l	0.05 mg/l	0.05 mg/l	0.049 mg/l	0.049 mg/l	5 mg/l	5 mg/l
HMW-25	1/9/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.0134	0.0105	0.006 U	0.006 U	0.01 U	0 U	0.01 U	0.01 U	0 U	0.012
HMW-26	1/9/2008	0.002 U	0.0006 J	0.0002 U	0.0002 U	0.0039 J	0.01 U	0.006 U	0.006 U	0.01 U	0 U	0.01 U	0.01 U	0.01 U	0.0031 J
HMW-27	1/9/2008	0.002 U	0.0006 J	0.0002 U	0.0002 U	0.0154	0.0138	0.006 U	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	0 U	0.0029 J
HMW-28	1/9/2008	0.002 U	0.0005 J	0.0002 U	0.0002 U	0.0204	0.017	0.0284	0.0189	0.01 U	0.01 U	0.01 U	0.01 U	0 U	0.0057 J
HMW-29	1/9/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.0083 J	0.0055 J	0.006 U	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	0 U	0.01 U
HMW-39B	1/15/2008	0.0007 J	0.002 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.006 U	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0381	0.0126
HMW-39C	1/14/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.006 U	0.006 U	0.01 U	0.0034 J	0.01 U	0.01 U	0.0339	0.0195
HMW-40C	1/11/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.007 J	0.0053 J	0.006 U	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	0 U	0.0046 J
HMW-49C	1/10/2008	0.0073	0.01	0.0002 U	0.0002 U	0.0094 J	0.0098 J	0.006 U	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	1.17	0.941
HMW-49D	1/10/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.0034 J	0.0056 J	0.006 U	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0082 J	0.0031 J
HMW-49D[1]	1/10/2008	0.0006 J	0.002 U	0.0002 U	0.0002 U	0.0043 J	0.0045 J	0.006 U	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0051 J	0.0029 J
HMW-50A	1/10/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.0041 J	0.01 U	0.006 U	0.006 U	0.01 U	0.01 U	0.0035 J	0.01 U	0.0045 J	0.01 U
HMW-50B	1/11/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.006 U	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0113 U	0.0122
HMW-50C	1/11/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.006 U	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
HMW-50C[1]	1/11/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.01 U	0.01 U	0.006 U	0.006 U	0.0032 J	0.01 U	0.01 U	0.01 U	0.01 U	0.0196
HMW-52C	1/10/2008	0.0013 J	0.002 U	0.0002 U	0.0002 U	0.0034 J	0.01 U	0.006 U	0 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.0165	0.0032 J
MP-81C	1/9/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.027	0.0225	0.006 U	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	0 U	0.006 J
MP-89C	1/11/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.031	0.0233	0.0154	0.009	0.01 U	0.01 U	0.01 U	0.01 U	0 U	0.008 J
MP-92D	1/10/2008	0.002 U	0.002 U	0.0002 U	0.0002 U	0.0039 J	0.004 J	0 UJ	0.006 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0021 J	0.01 U

Notes
=Exceeds Screening Criteria
[1] = Denotes Duplicate Sample
U = Not Detected (value preceding "U" denotes detection limit)
J = Estimated value
S = Spike Recovery outside accepted recovery limits
All units are in ug/L-micrograms per liter

Comparison values are Tier 1 Class 1 Groundwater Remediation Objectives from Illinois EPA's Tiered Approach to Corrective Action Objectives, last amended February 15, 2007. Comparison values used for comparison purposes only.

Table 6
Summary of Groundwater Analytical Results - General Chemistry and Natural Attenuation Parameters - January 2008

1190500002 -- Madison County -- ILD041889023
The Hartford Working Group / Hartford, Illinois

Well ID	Date	Constituent															
		Alkalinity (as CaCO3)	Ammonia (as N)	Chemical Oxygen Demand	Chloride	Cyanide	Hardness (as CaCO3)	Nitrate	Nitrate plus Nitrite (as N)	Nitrite (as N)	Phosphorus	Phosphorus (Dissolved)	Sulfate	Sulfide	Total Dissolved Solids (TDS)	Total Organic Carbon	Total Suspended Solids
TACO Comparison Value		(mg/l)	(mg/l)	(mg/l)	200 mg/l	0.2 mg/l	(mg/l)	10 mg/l	(mg/l)	(mg/l)	(mg/l)	(mg/l)	400 mg/l	(mg/l)	(mg/l)	(mg/l)	(mg/l)
HMW-25	1/9/2008	464	0.1 U	33 J	59	0.007 U	460	0.05 U	0.05 U	0.01 U	0.059 J	0.03 J	50 U	0.04 J	574	1.7	6 U
HMW-26	1/9/2008	594	0.26	50 U	74	0.007 U	720	0.028 J	0.028 J	0.01 U	0.371	0.352	180	0.07	940	2.8	43
HMW-27	1/9/2008	622	0.1 U	50 U	11	0.007 U	740	0.399	0.399	0.01 U	0.098	0.068 U	145	0.07	824	4.1	6 U
HMW-28	1/9/2008	526	0.1 U	50 U	24	0.007 U	580	1.15	1.18	0.03	0.089	0.078	122	0.08	724	4.4	6 U
HMW-29	1/9/2008	516	0.09 J	50 U	33	0.007 U	700	0.029 J	0.029 J	0.01 U	0.075	0.086	248	0.07	900	1.8	15
HMW-39B	1/15/2008	260	0.1 U	50 U	0 J	0.007 U	360	0.323	0.323	0.01 U	0.035 J	0.068 U	50 US	0 J	934	1.1	29
HMW-39C	1/14/2008	254	0.43	50 U	236	0.007 U	360	0.05 U	0.05 U	0.01 U	0.342	0.277	50 U	0 J	664	1.2	12
HMW-40C	1/11/2008	346	0.1 U	50 U	49	0.007 U	380	0.05 U	0.05 U	0.01 U	0 U	0 U	50 U	0.02 J	444	1.6	7
HMW-49C	1/10/2008	378	0.08 J	44 J	39	0.007 U	320	0.011 J	0.011 J	0.01 U	0.562	0.578	50 U	0.08	454	9.6	28
HMW-49D	1/10/2008	508	0.2	50 U	36	0.007 U	480	0.05 U	0.05 U	0.01 U	0.659	0.633	50 U	0.14	572	5.7	47
HMW-49D[1]	1/10/2008	502	0.23	50 U	36	0.007 U	500	0.05 U	0.05 U	0.01 U	0.687	0.627	50 U	0.12	572	5.8	49
HMW-50A	1/10/2008	476	0.1 U	50 U	14	0.007 U	720	2.3	2.3	0.01 U	0.195	0.202	690	0.05	960	2.6	6 U
HMW-50B	1/11/2008	252	1.25	81	53	0.007 U	400	0.05 U	0.05 U	0.01 U	0.848	0.816	254	0.93	706	3.1	6
HMW-50C	1/11/2008	624	0.69	50 U	397	0.007 U	840	0.05 U	0.05 U	0.01 U	0.792	0.771	50 U	0 J	1310	2.1	7
HMW-50C[1]	1/11/2008	626	0.7	27 J	438 S	0.007 U	820	0.05 U	0.05 US	0.01 U	0.784	0.762	50 US	1.5	1360	2.1	14
HMW-52C	1/10/2008	610	0.19	50 U	0 J	0.431	740	0.07	0.07	0.01 U	0.236	0.211	143	0 J	884	2.2	62
MP-81C	1/9/2008	618	0.18	50 U	31	0 UJ	740	0.024 J	0.024 J	0.01 U	0.042 J	0.04 J	174	0.5	884	2.5	6 U
MP-89C	1/11/2008	450	0.2 U	50 U	26	0.007 U	640	0.461	0.461	0.01 U	0.098 U	0 U	255	0.02 J	838	2.2	22
MP-92D	1/10/2008	596	0.06 J	50 U	47	0.007 U	640	0.015 J	0.015 J	0.01 U	0.049 J	0.061 J	92	0.1	766	1.8 R	9

Notes
=Exceeds Screening Criteria
[1] = Denotes Duplicate Sample
U = Not Detected (value preceding "U" denotes detection limit)
J = Estimated value
S = Spike Recovery outside accepted recovery limits
R = RPD outside acceptable recovery limits
All units are in ug/L-micrograms per liter
Comparison values are Tier 1 Class 1 Groundwater Remediation Objectives from Illinois EPA's Tiered Approach to Corrective Action Objectives, last amended February 15, 2007. Comparison values used for comparison purposes only.

TABLE 7
INDICATOR PARAMETERS - January 2008 QUARTERLY SAMPLING
The Hartford Area Hydrocarbon Plume Site

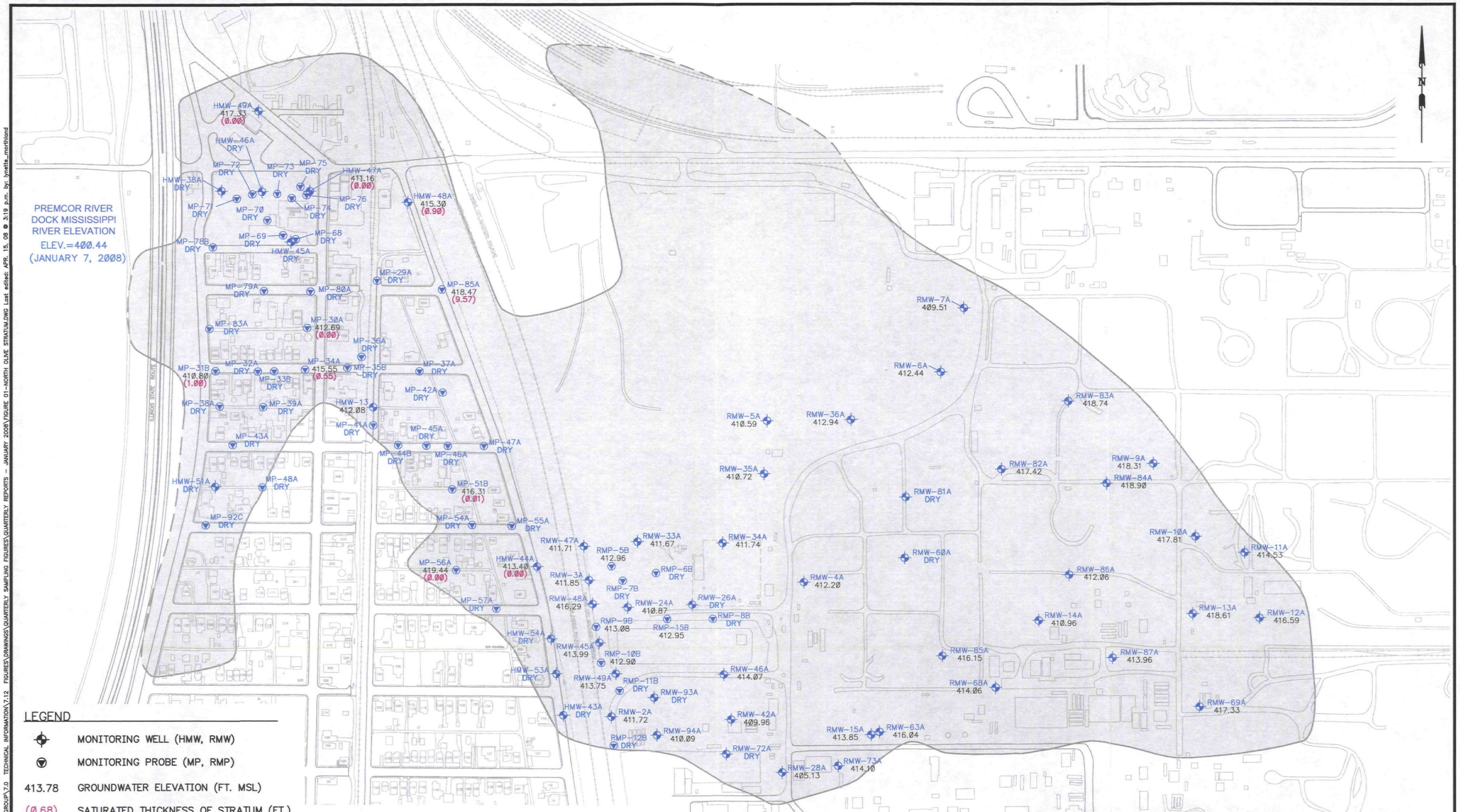
1190505040 -- Madison County -- ILR 000128249
The Hartford Working Group / Hartford, Illinois

Well Number	Date	Temperature °C	pH (std. units)	Conductivity (uS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	ORP (mV)
FIRST QUARTER 2008							
HMW-25	01/09/08	13.32	6.79	3904531.00	8.16	0.51	258.07
HMW-26	01/09/08	14.49	6.64	6062626.00	2.93	0.37	-57.58
HMW-27	01/09/08	16.10	6.60	1081.66	59.33	0.58	117.85
HMW-28	01/09/08	14.62	6.58	890.43	78.16	0.64	214.56
HMW-29	01/09/08	14.98	6.69	1067.45	6.75	0.56	-61.76
HMW-39B	01/15/08						
HMW-39C	01/14/08	12.72	7.06	4662380.00	10.53	0.15	97.68
HMW-40C	01/11/08	13.73	6.68	635.54	55.95	0.24	20.28
HMW-49C	01/10/08	12.68	6.40	648.47	7.10	0.44	-35.54
HMW-49D	01/10/08	14.88	6.57	874.29	37.30	0.22	-87.27
HMW-50A	01/10/08	15.04	6.25	21659.35	211.59	1.21	133.45
HMW-50B	01/11/08	12.80	6.10	684.66	7.85	0.75	-24.14
HMW-50C	01/11/08	11.13	7.09	1809.92	3.48	0.65	-129.92
HMW-52C	01/10/08	14.57	6.71	22406.23	73.34	0.47	-99.93
MP-81C	01/09/08	14.54	6.29	1110.33	4.95	0.51	-48.81
MP-89C	01/11/08	14.44	6.41	904.86	131.04	0.59	22.77
MP-92D	01/10/08	15.40	6.69	21275.31	12.95	0.42	-47.79

NOTES: 17 total

Highlighted wells were purged dry and sampled with a peristaltic pump and/or 2" bailer. No indicator parameters were collected.

°C = degrees Centigrade
mg/L = milligrams per liter
mV = millivolts
NM = Not Measured
ntu = nephelometric turbidity units
uS/cm = microsiemens per centimeter



LEGEND

- MONITORING WELL (HMW, RMW)
- MONITORING PROBE (MP, RMP)
- 413.78 — GROUNDWATER ELEVATION (FT. MSL)
- (0.68) — SATURATED THICKNESS OF STRATUM (FT.)
- (0.00) — WATER IN PROBE/WELL IS WITHIN THE SUMP OF WELL AND/OR BELOW BASE OF STRATUM
- DRY — WELL DRY – NO MEASUREMENTS
- NM — NOT MEASURED
- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)

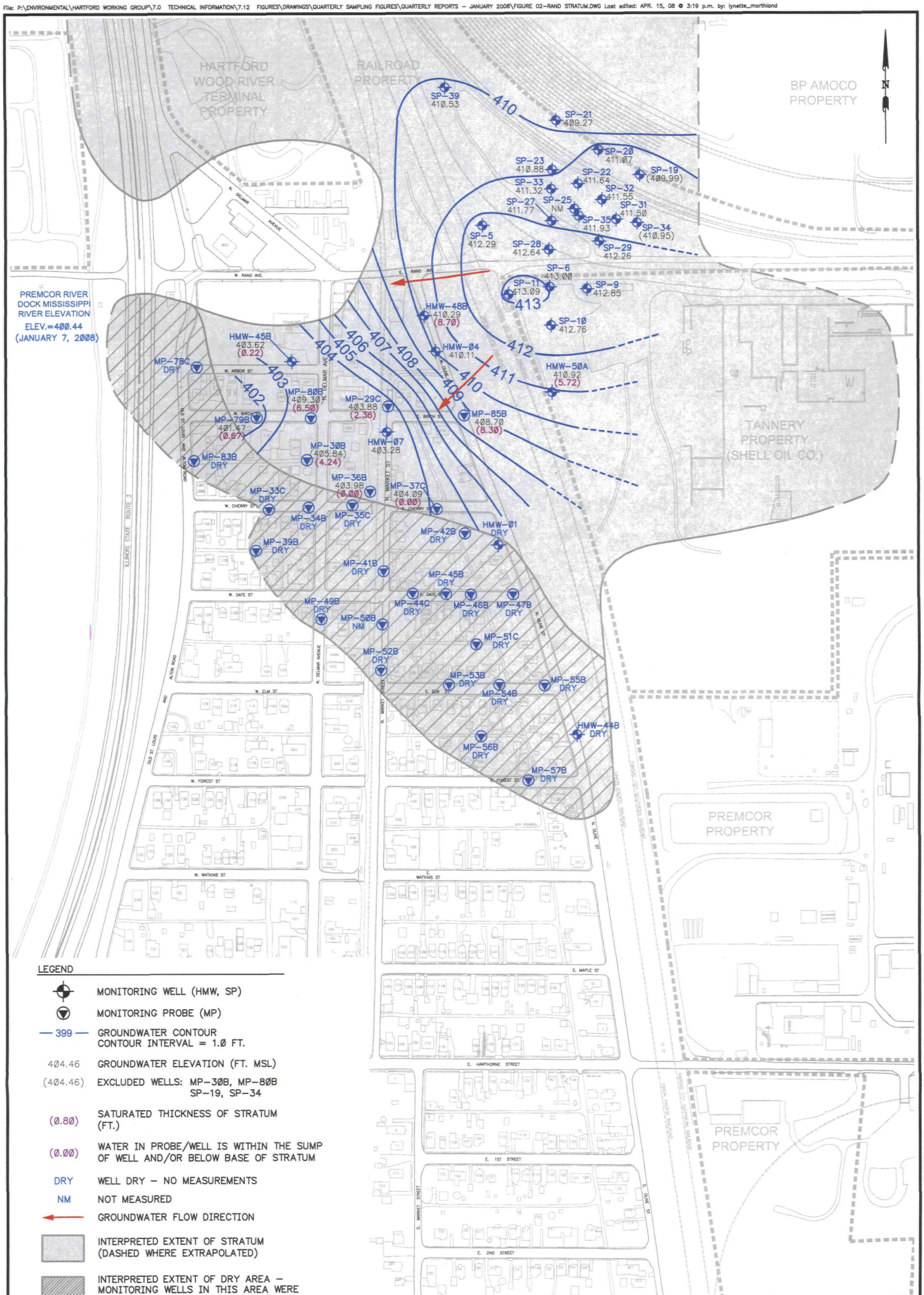
NOTES:

1. GROUNDWATER ELEVATIONS CORRECTED FOR FREE PHASE HYDROCARBONS IF PRESENT.
2. MAP CREATED FROM BASEMAP PROVIDED BY BVNA.

HARTFORD WORKING GROUP PLUME SITE HARTFORD, ILLINOIS	PROJECT NO. 21561955.00009
URS	
DRN. BY: lrm 4/15/08 DSGN. BY: bh CHKD. BY:	Groundwater Elevation Map North Olive Stratum
	FIG. NO. 1

File: P:\ENVIRONMENTAL\HARTFORD WORKING GROUP\7.0 TECHNICAL INFORMATION\7.12 FIGURES\DRAWINGS\QUARTERLY SAMPLING FIGURES\QUARTERLY REPORTS – JANUARY 2008\FIGURE 01-NORTH OLIVE STRATUM.DWG Last edited: APR. 15, 08 @ 3:19 p.m. by: lynette_northland

File: P:\ENVIRONMENTAL\HARTFORD WORKING GROUP\7.0 TECHNICAL INFORMATION\7.12 FIGURES\DRAWINGS\QUARTERLY SAMPLING FIGURES\QUARTERLY REPORTS – JANUARY 2008\FIGURE 02-RAND STRATUM.DWG Last edited: APR. 15, 08 @ 3:19 p.m. by: lynette_morthland



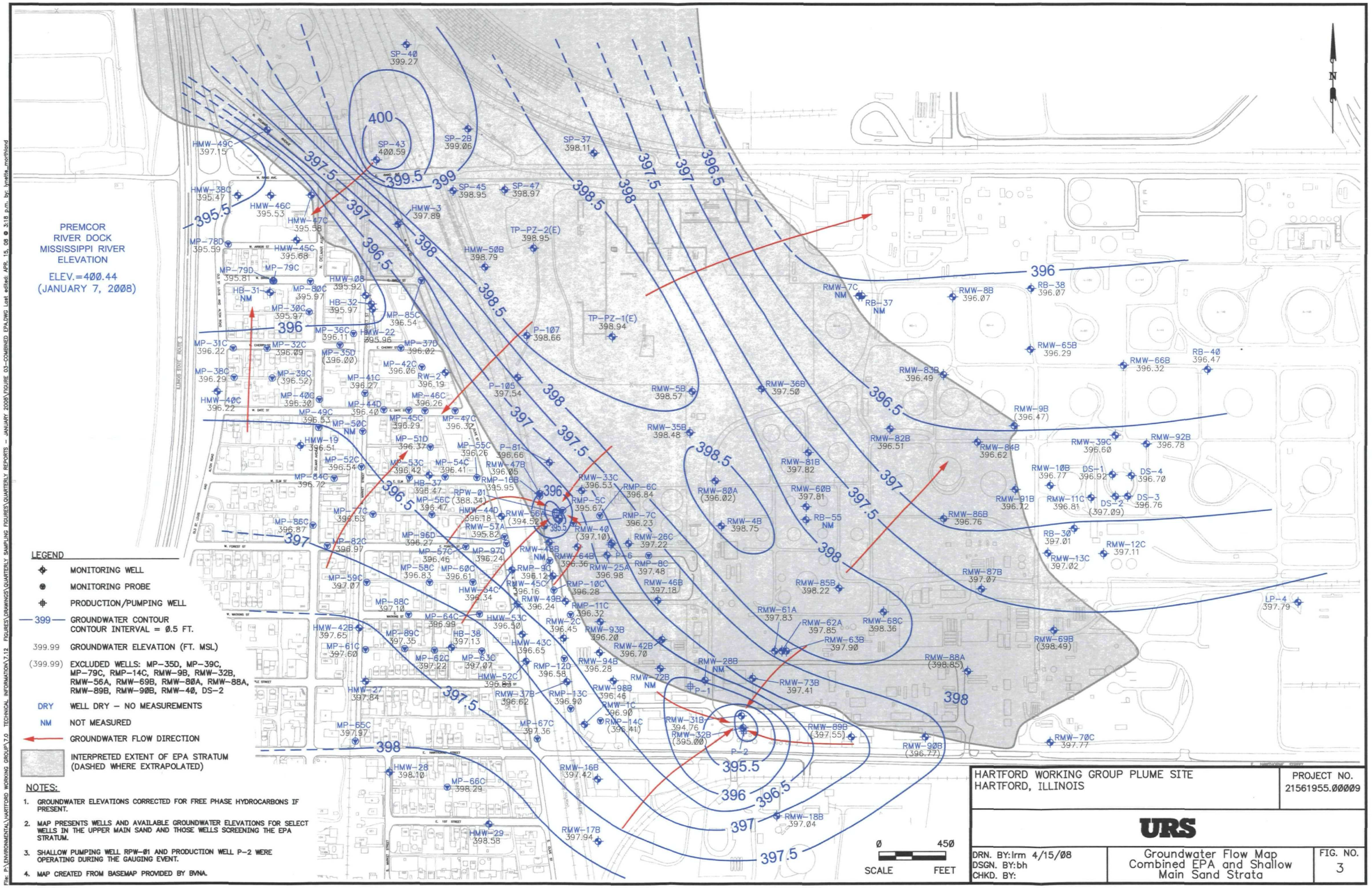
LEGEND

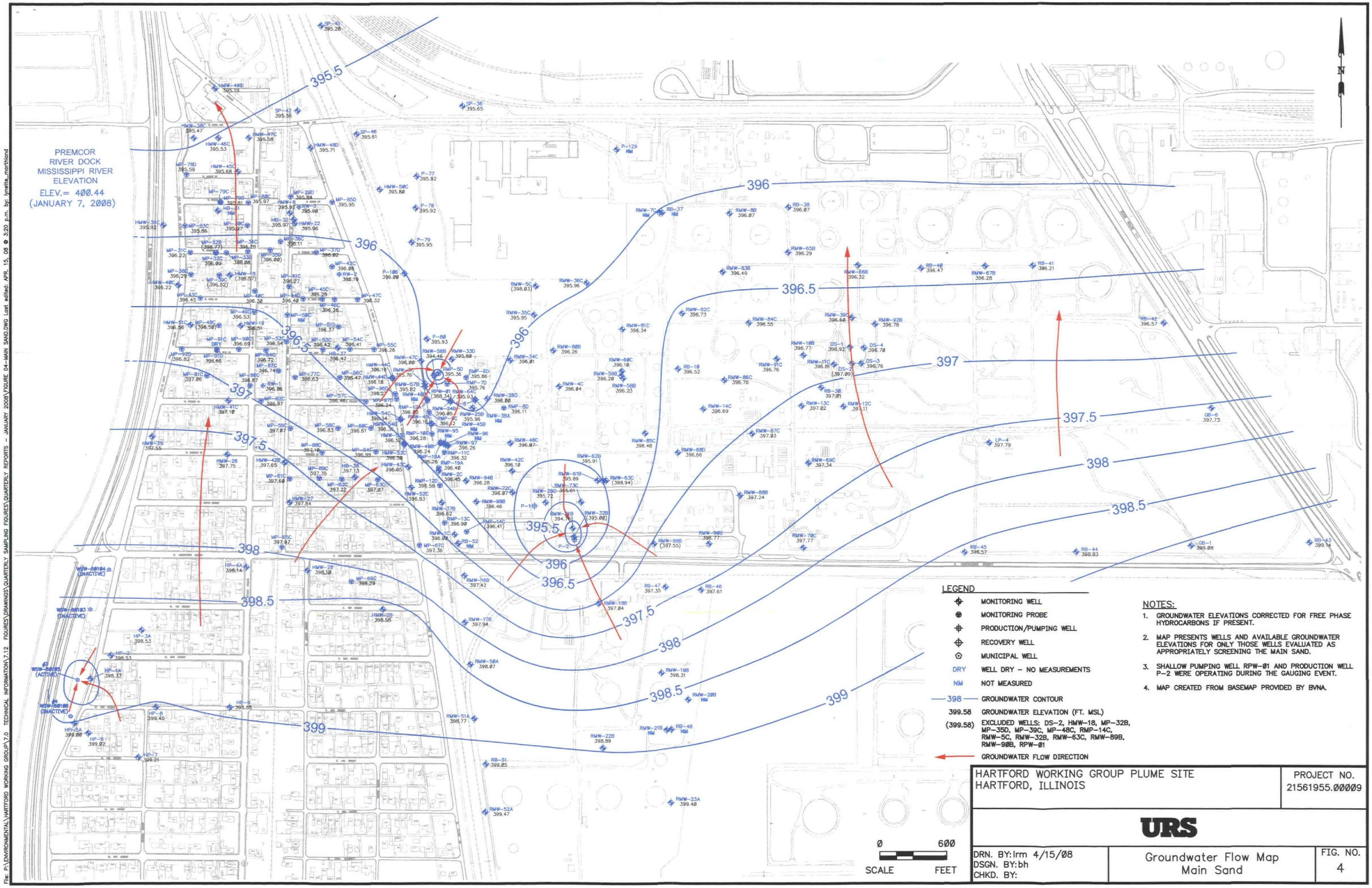
- MONITORING WELL (HMW, SP)
- MONITORING PROBE (MP)
- 399 — GROUNDWATER CONTOUR CONTOUR INTERVAL = 1.0 FT.
- 404.46 GROUNDWATER ELEVATION (FT. MSL)
- (404.46) EXCLUDED WELLS: MP-30B, MP-80B SP-19, SP-34
- (0.80) SATURATED THICKNESS OF STRATUM (FT.)
- (0.00) WATER IN PROBE/WELL IS WITHIN THE SUMP OF WELL AND/OR BELOW BASE OF STRATUM
- DRY WELL DRY – NO MEASUREMENTS
- NM NOT MEASURED
- GROUNDWATER FLOW DIRECTION
- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)
- INTERPRETED EXTENT OF DRY AREA – MONITORING WELLS IN THIS AREA WERE NOT USED TO GENERATE CONTOURS.

NOTES:

1. GROUNDWATER ELEVATIONS CORRECTED FOR FREE PHASE HYDROCARBONS IF PRESENT.
2. MAP PRESENTS WELLS AND AVAILABLE GROUNDWATER ELEVATIONS FOR ONLY THOSE WELLS EVALUATED AS APPROPRIATELY SCREENING THE RAND STRATUM.
3. MAP CREATED FROM BASEMAP PROVIDED BY BVNA.

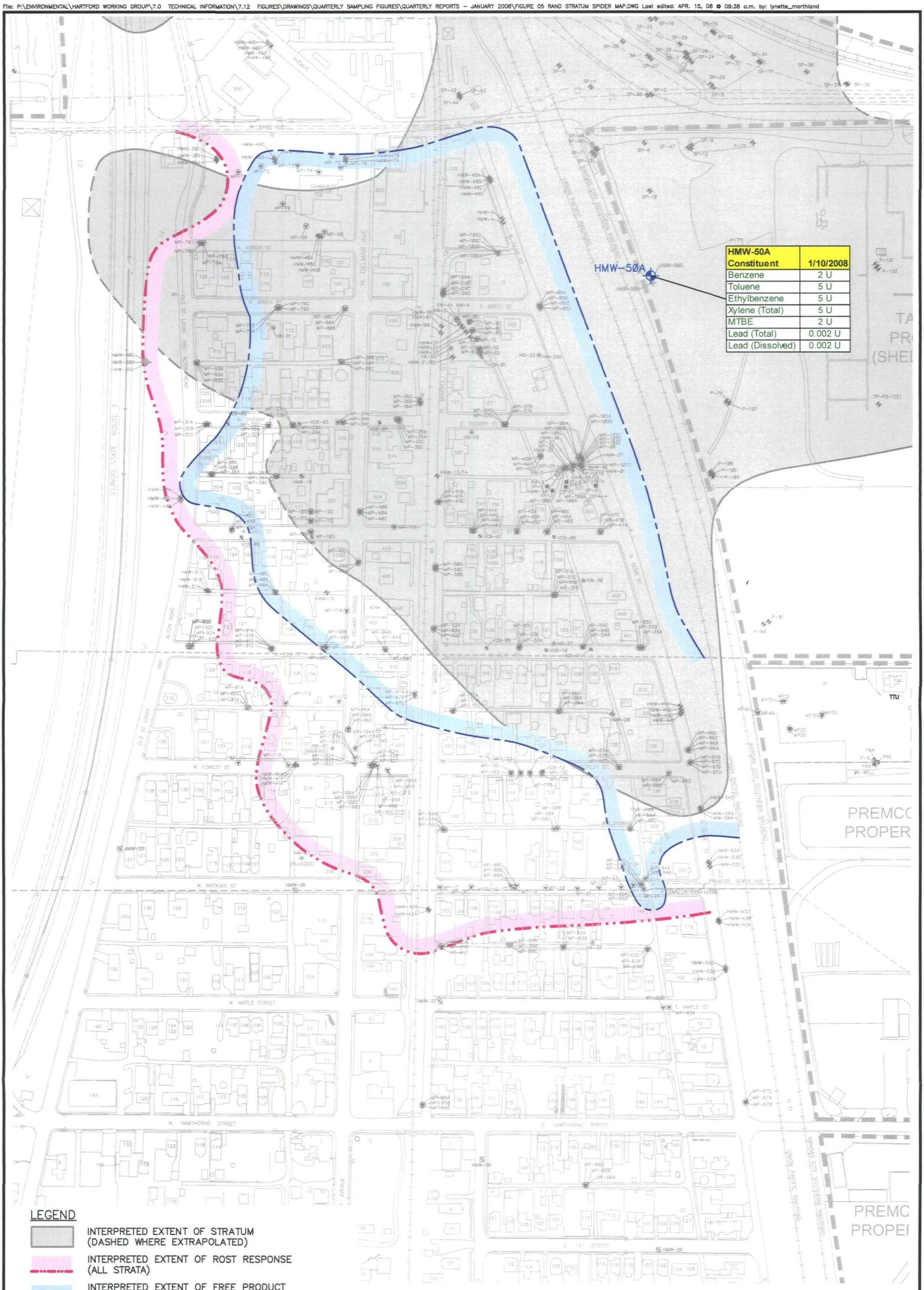
HARTFORD WORKING GROUP PLUME SITE HARTFORD, ILLINOIS		PROJECT NO. 21561955.00009
URS		
DRN. BY:lrm 4/15/08 DSGN. BY:bh CHKD. BY:	Groundwater Flow Map Rand Stratum	FIG. NO. 2


PREMCOR
RIVER DOCK
MISSISSIPPI RIVER
ELEVATION
ELEV.=400.44
(JANUARY 7, 2008)
N
LEGEND
MONITORING WELL
MONITORING PROBE
PRODUCTION/PUMPING WELL
399 GROUNDWATER CONTOUR
CONTOUR INTERVAL = 0.5 FT.
399.99 GROUNDWATER ELEVATION (FT. MSL)
(399.99) EXCLUDED WELLS: MP-35D, MP-39C, MP-79C, RMP-14C, RMW-9B, RMW-32B, RMW-56A, RMW-69B, RMW-80A, RMW-88A, RMW-89B, RMW-90B, RMW-40, DS-2
DRY WELL DRY – NO MEASUREMENTS
NM NOT MEASURED
GROUNDWATER FLOW DIRECTION
INTERPRETED EXTENT OF EPA STRATUM (DASHED WHERE EXTRAPOLATED)
NOTES:
1. GROUNDWATER ELEVATIONS CORRECTED FOR FREE PHASE HYDROCARBONS IF PRESENT.
2. MAP PRESENTS WELLS AND AVAILABLE GROUNDWATER ELEVATIONS FOR SELECT WELLS IN THE UPPER MAIN SAND AND THOSE WELLS SCREENING THE EPA STRATUM.
3. SHALLOW PUMPING WELL RPW-01 AND PRODUCTION WELL P-2 WERE OPERATING DURING THE GAUGING EVENT.
4. MAP CREATED FROM BASEMAP PROVIDED BY BVNA.
0 450
SCALE FEET
HARTFORD WORKING GROUP PLUME SITE
HARTFORD, ILLINOIS
PROJECT NO.
21561955.00009
URS
DRN. BY: lrm 4/15/08
DSGN. BY: bh
CHKD. BY:
Groundwater Flow Map
Combined EPA and Shallow
Main Sand Strata
FIG. NO.
3
File: P:\ENVIRONMENTAL\HARTFORD WORKING GROUP\7.0 TECHNICAL INFORMATION\7.12 FIGURES\DRAWINGS\QUARTERLY SAMPLING FIGURES\QUARTERLY REPORTS – JANUARY 2008\FIGURE 03-COMBINED EPA.DWG Last edited: APR. 15, 08 @ 3:18 p.m. by: lynette_northlond



File: P:\ENVIRONMENTAL\HARTFORD WORKING GROUP\7.0 TECHNICAL INFORMATION\7.12 FIGURES\DRAWINGS\QUARTERLY SAMPLING FIGURES\QUARTERLY REPORTS – JANUARY 2008\FIGURE 04-MAIN SAND.DWG Last edited: APR. 15, 08 @ 3:20 p.m. by: lynette_morthland

File: P:\ENVIRONMENTAL\HARTFORD WORKING GROUP\7.0 TECHNICAL INFORMATION\7.12 FIGURES\DRAWINGS\QUARTERLY SAMPLING FIGURES\QUARTERLY REPORTS - JANUARY 2008\FIGURE 05 RAND STRATUM SPIDER MAP.DWG Last edited: APR. 15, 08 @ 09:38 a.m. by: lynette_morthland



HMW-50A Constituent	1/10/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.002 U

LEGEND

- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)
- INTERPRETED EXTENT OF ROST RESPONSE (ALL STRATA)
- INTERPRETED EXTENT OF FREE PRODUCT OBSERVED IN MONITORING WELLS (ALL STRATA)
- MONITORING WELL
- U — NOT DETECTED (VALUE PRECEDING "U" DENOTES DETECTION LIMIT)
- J — ESTIMATED VALUE

NOTE:

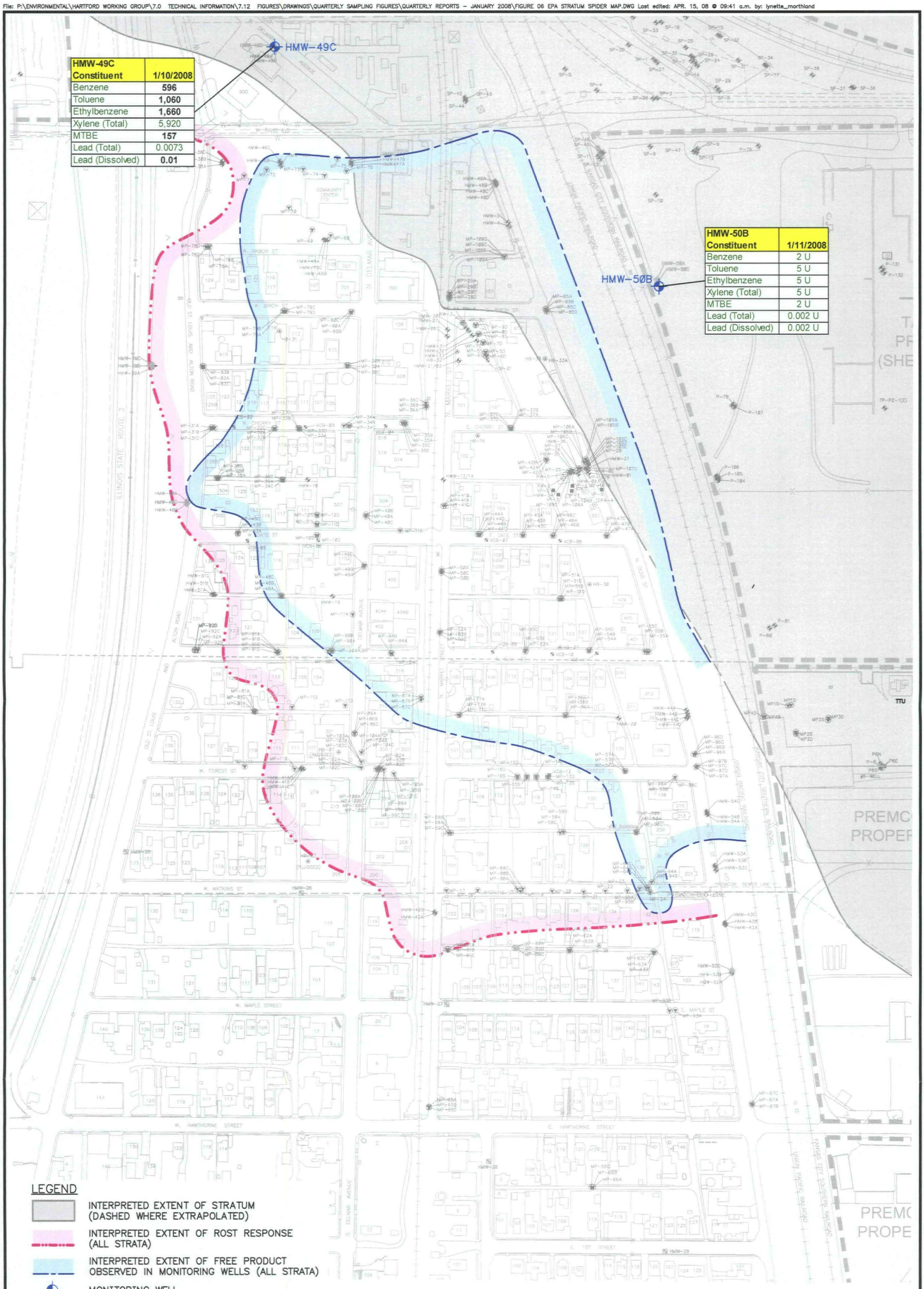
1. RESULTS FOR ALL CONSTITUENTS IN ug/L.
2. MAP CREATED FROM BASEMAP PROVIDED BY BVNA.

0 200
SCALE FEET

N

HARTFORD WORKING GROUP PLUME SITE HARTFORD, ILLINOIS	PROJECT NO. 21561955.00009
URS	
DRN. BY:lrm 4/15/08 DSGN. BY:bh CHKD. BY:	Groundwater Analytical Results Rand Stratum
	FIG. NO. 5

File: P:\ENVIRONMENTAL\HARTFORD WORKING GROUP\7.0 TECHNICAL INFORMATION\7.12 FIGURES\DRAWINGS\QUARTERLY SAMPLING FIGURES\QUARTERLY REPORTS – JANUARY 2008\FIGURE 06 EPA STRATUM SPIDER MAP.DWG Last edited: APR. 15, 08 @ 09:41 a.m. by: lynette_morthland



HMW-49C Constituent	1/10/2008
Benzene	596
Toluene	1,060
Ethylbenzene	1,660
Xylene (Total)	5,920
MTBE	157
Lead (Total)	0.0073
Lead (Dissolved)	0.01

HMW-50B Constituent	1/11/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.002 U

LEGEND

- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)
- INTERPRETED EXTENT OF ROST RESPONSE (ALL STRATA)
- INTERPRETED EXTENT OF FREE PRODUCT OBSERVED IN MONITORING WELLS (ALL STRATA)
- MONITORING WELL
- U NOT DETECTED (VALUE PRECEDING "U" DENOTES DETECTION LIMIT)
- J ESTIMATED VALUE

NOTE:

1. CONCENTRATIONS IN BLACK INDICATE THE RESULT EXCEEDS RESPECTIVE TACO CLASS I COMPARISON VALUES.
2. RESULTS FOR ALL CONSTITUENTS IN ug/L.
3. MAP CREATED FROM BASEMAP PROVIDED BY BVNA.

0 200
SCALE FEET

N

HARTFORD WORKING GROUP PLUME SITE
HARTFORD, ILLINOIS

PROJECT NO. 21561955.00009

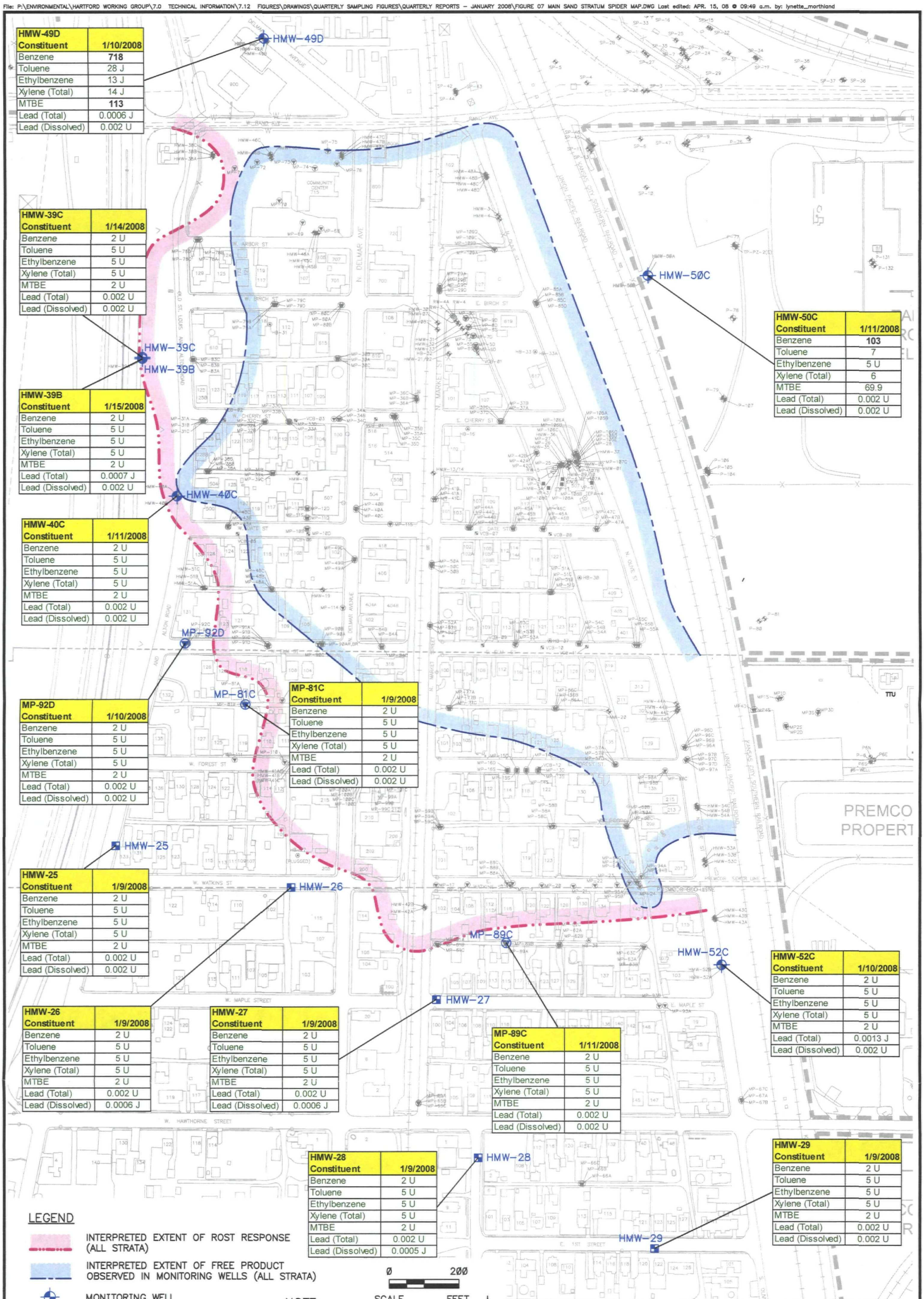
URS

DRN. BY:lrm 4/15/08
DSGN. BY:bh
CHKD. BY:

Groundwater Analytical Results
EPA Stratum

FIG. NO. 6

File: P:\ENVIRONMENTAL\HARTFORD WORKING GROUP\7.0 TECHNICAL INFORMATION\7.12 FIGURES\DRAWINGS\QUARTERLY SAMPLING FIGURES\QUARTERLY REPORTS – JANUARY 2008\FIGURE 07 MAIN SAND STRATUM SPIDER MAP.DWG Last edited: APR. 15, 08 @ 09:49 a.m. by: lynette_morthland



HMW-49D Constituent	1/10/2008
Benzene	**718**
Toluene	28 J
Ethylbenzene	13 J
Xylene (Total)	14 J
MTBE	**113**
Lead (Total)	0.0006 J
Lead (Dissolved)	0.002 U

HMW-39C Constituent	1/14/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.002 U

HMW-39B Constituent	1/15/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.0007 J
Lead (Dissolved)	0.002 U

HMW-40C Constituent	1/11/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.002 U

MP-92D Constituent	1/10/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.002 U

MP-81C Constituent	1/9/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.002 U

HMW-50C Constituent	1/11/2008
Benzene	**103**
Toluene	7
Ethylbenzene	5 U
Xylene (Total)	6
MTBE	69.9
Lead (Total)	0.002 U
Lead (Dissolved)	0.002 U

HMW-25 Constituent	1/9/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.002 U

HMW-26 Constituent	1/9/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.0006 J

HMW-27 Constituent	1/9/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.0006 J

MP-89C Constituent	1/11/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.002 U

HMW-52C Constituent	1/10/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.0013 J
Lead (Dissolved)	0.002 U

HMW-28 Constituent	1/9/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.0005 J

HMW-29 Constituent	1/9/2008
Benzene	2 U
Toluene	5 U
Ethylbenzene	5 U
Xylene (Total)	5 U
MTBE	2 U
Lead (Total)	0.002 U
Lead (Dissolved)	0.002 U

LEGEND

- INTERPRETED EXTENT OF ROST RESPONSE (ALL STRATA)
- INTERPRETED EXTENT OF FREE PRODUCT OBSERVED IN MONITORING WELLS (ALL STRATA)
- MONITORING WELL
- SENTINEL MONITORING WELL
- SOIL VAPOR SAMPLING POINTS
- U — NOT DETECTED (VALUE PRECEDING "U" DENOTES DETECTION LIMIT)
- J — ESTIMATED VALUE

0 200
SCALE FEET

NOTE:

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3. MAP CREATED FROM BASEMAP PROVIDED BY BVNA.

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HARTFORD, ILLINOIS

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URS

DRN. BY:lrm 4/15/08
DSGN. BY:bh
CHKD. BY:

Groundwater Analytical Results
Main Sand Stratum

FIG. NO. 7