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Quarterly Groundwater Monitoring Report October 2006

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The Hartford Area Hydrocarbon Plume Site
Hartford, Illinois

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Prepared for:
The Hartford Working Group
Hartford, Illinois

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EXECUTIVE SUMMARY

This October 2006 Quarterly Groundwater Monitoring Report, prepared for The Hartford Area Hydrocarbon Plume Site (Site) in Hartford, Illinois, focused on monitoring conditions along the perimeter of the dissolved phase plume in northern Hartford.

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 150 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.

Gauging results indicated that light non-aqueous phase liquid (LNAPL) was primarily found in the combined EPA and shallow Main Sand Strata, north of East Maple Street, east of Illinois State Route 3, and south of Rand Avenue. Localized identifications of LNAPL were found in the Rand Stratum at the northeast corner of the Site. The extent of the dissolved phase hydrocarbon plume appears to be defined within the available area of investigation.

Groundwater analytical results along the southern and western boundaries of the interpreted extent of the ROST response showed no indications of dissolved phase hydrocarbons, with the exception of HMW-38C (northwest corner of Site) and HMW-43C (southeast corner of Site), located adjacent to the extent of the ROST response. Groundwater analytical results along the northern and eastern boundaries of the Site, and at HMW-38C and HMW-43C, indicated the presence of dissolved phase hydrocarbon concentrations above groundwater comparison values. The groundwater analytical results revealed that methyl tert-butyl ether (MTBE) was detected in HMW-49C and MP-85D at concentrations above the comparison value and in HMW-48D, HMW-49D, and HMW-50C at concentrations below the comparison value.

1.0 INTRODUCTION

This Quarterly Groundwater Monitoring Report, prepared for The Hartford Area Hydrocarbon Plume Site (Site) in Hartford, Illinois (Figure 1) focused on monitoring conditions along the perimeter of the dissolved phase plume which has formed as a result of the presence of light non-aqueous phase liquid (LNAPL) in northern Hartford (Clayton 2006). It also included annual monitoring of conditions, within the dissolved phase plume, at a select number of monitoring locations. This report was prepared by Clayton Group Services, Inc., *a Bureau Veritas Company* (Clayton), on behalf of the Hartford Working Group (HWG). The HWG is comprised of the Atlantic Richfield Company (Atlantic Richfield), The Premcor Refining Group Inc. (Premcor), Shell Oil Products US (Shell), and Sinclair Oil Corporation (Sinclair).

The hydrogeology in the northernmost area of Hartford consists of four hydrostratigraphic units identified in descending order as the North Olive, the Rand, and the EPA Strata, all of which overlie the Main Sand. The Main Sand has been subdivided into Main Silt and Main Sand based on its composition (i.e., percentage of silt versus sand content). These four hydrostratigraphic units are overlain and bounded by several clay deposits identified (in descending order) as the A Clay, B Clay, C Clay, and D Clay. The A Clay forms the surface layer over the entirety of northern Hartford while the B Clay separates the North Olive and Rand Strata. Scattered areas of fill are present within the A Clay. The C Clay separates the Rand and EPA Strata, and the D Clay separates the EPA Stratum and the Main Sand. More detailed information on the hydrostratigraphic units at the Site is provided in the December 2005 *LNAPL Active Recovery System Conceptual Site Model* (Clayton 2005) and the January 2006 *Dissolved Phase Groundwater Investigation Report* (Clayton 2006).

Quarterly groundwater sampling of existing wells, that do not contain LNAPL, installed within the four hydrostratigraphic units (North Olive Stratum, Rand Stratum, EPA Stratum, and Main Sand) within Hartford has been on-going since December 2003. As wells have been installed as part of investigative activities during 2004 through 2006, they have been incorporated into the quarterly monitoring program. As proposed in the January 2006 Dissolved Phase Groundwater Investigation Report (Clayton 2006), to monitor conditions along the perimeter of the dissolved phase plume, a select number of monitoring wells continue to be sampled and analyzed on a quarterly basis. An additional select number of monitoring wells continue to be sampled and analyzed on an annual basis. The quarterly sampling includes selected wells screened in the Rand, EPA, and Main Sand Strata, located beyond the interpreted extent of free

product. The annual sampling includes selected wells, if free of LNAPL, within the dissolved phase plume in northern Hartford. Wells in the North Olive Stratum are included in the groundwater sampling program; however, as water in this unit is seasonal or ephemeral and occurs as isolated areas of perched water, groundwater is typically not present during sampling events. A list summarizing the wells included in quarterly and annual sampling is provided in Table 1 and the well locations are shown in Figure 2.

This report presents the results of the fourth quarter groundwater monitoring activities performed October 4 through 12, 2006 and was done in accordance with the monitoring program presented in Clayton's (2006) Dissolved Phase Groundwater Investigation Report. A discussion of the comprehensive well gauging, groundwater sample collection, groundwater analytical results, and conclusions is presented in Sections 2.0 through 5.0. Recommendations and future activities, and references are presented in Sections 6.0 and 7.0, respectively.

2.0 WELL GAUGING

Gauged monitoring wells were inspected and evaluated with respect to their continued suitability for groundwater monitoring. The wells were determined to be in satisfactory condition for continued use in the monitoring program. The results of the monitoring well inspections are included in Appendix A.

Monitoring well gauging was conducted to determine groundwater depths and LNAPL specific thickness (D_o) (if present) in order to determine groundwater flow directions and delineate the current horizontal extent of gauged LNAPL. D_o is a normalized volume of LNAPL (ft^3/ft^2) per unit surface area, but is expressed as a thickness (in units of feet). The gauging was performed at wells installed in the North Olive, Rand, EPA, and Main Sand Strata. Gauged monitoring wells were located in Hartford, at the Shell Rand Avenue site, the Shell Tannery Property, and the Premcor Facility. The Shell sites are located immediately to the northeast and east of the north half of Hartford, while the Premcor Facility is immediately east of the central portion of Hartford. As part of the well gauging event, the Mississippi River elevation (at the Premcor Mississippi River Dock) was surveyed by CMT, Inc. on October 5, 2006.

The October 2006 groundwater and LNAPL gauging data from Hartford are summarized in Table 2. Monitoring well gauging data for the Shell wells and the wells on the Premcor facility are summarized in Tables 3 and 4, respectively. An October 2006 groundwater elevation map was created for the

North Olive Stratum and is presented in Figure 3. Groundwater flow maps, constructed for the October 2006 gauging event for the Rand, combined EPA and Shallow Main Sand, and Main Sand Stratum, are presented in Figures 4, 5, and 6, respectively. A discussion of the groundwater gauging data is presented below. A discussion of the LNAPL extent and specific thickness, including figures, is in Appendix B.

Groundwater within the North Olive Stratum, which is potentially seasonal or more 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 October 2006 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 (reference Figure 3).

Groundwater within the Rand Stratum in Hartford is also considered to represent localized areas of potentially seasonal or more ephemeral, perched water on the surface of the underlying C Clay Strata. Groundwater in the Rand Stratum appears to be confined northeast of Hartford at the Shell sites, though 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 October 2006 groundwater flow map indicates the presence of a groundwater mound, located northeast of the Site, trending on a slight northwest/southeast axis (reference Figure 4). Groundwater on the northern side flows generally in a northerly and easterly direction and flow on the southern side is in a general southwesterly and southeasterly direction.

Groundwater within the EPA Stratum is generally confined and hydraulically connected to the Shallow Main Sand in northeastern Hartford, on the Shell Tannery Property, the Shell Rand Avenue Site, and the Premcor facility. The October 2006 groundwater flow map of the combined EPA and Shallow Main Sand Strata indicates the presence of a groundwater divide, located northeast of the Site, trending along a general northwest/southeast axis (reference Figure 5). 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. However, as the southwesterly flow reaches beyond the extent of the D Clay Stratum, it then flows north-northwestward within the hydraulically connected shallow Main Sand. A portion is also

captured in the west portion of the Premcor facility (which includes Production Wells P-1/P-2 and P-6 completed between approximately 84 to 114 feet below ground surface [bgs] in the Main Sand, and Shallow Pumping Well RPW-01 completed between approximately 32 to 72 feet bgs in the EPA Stratum and the Main Sand).

The October 2006 groundwater flow map for the Main Sand indicates the flow direction underlying Hartford was primarily northerly 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 (reference Figure 6). Hartford Municipal Well #3 was operating at the time of groundwater elevation gauging in October 2006. The overall groundwater flow direction in October 2006 was consistent with historical interpretations. The Mississippi River did not appear to exert a significant influence on groundwater flow in the Rand Stratum, EPA Stratum, or Main Sand in October 2006.

3.0 GROUNDWATER SAMPLE COLLECTION

Quarterly and annual groundwater sampling activities were conducted in the fourth quarter 2006 during October 9 through 12. A total of twenty-four wells were sampled: 12 wells for quarterly sample analyses and 12 wells for annual sample analyses. The majority of the wells were in the Main Sand. No wells were sampled in the North Olive Stratum due to the absence of groundwater in this unit. The number of wells sampled in the Rand and EPA Strata were limited due to the respective strata's limited presence in the area, the presence of free product in some wells, and/or wells being dry or having limited available water. A summary list of wells included in the quarterly and annual groundwater sampling and their sampling status as of fourth quarter 2006 is provided in Table 1.

Five wells included in the quarterly groundwater sampling program and twenty wells included in the annual groundwater sampling program were not sampled in October 2006 due to being dry. Seven wells included in the quarterly groundwater sampling program and fifteen wells included in the annual groundwater sampling program were not sampled in October 2006 due to containing an insufficient amount of water for sampling. Fifteen wells included in the annual groundwater sampling program were not sampled in October 2006 due to containing measurable LNAPL.

Monitoring well purging and sampling was performed using dedicated low-flow sampling pumps and polypropylene tubing, in accordance with Clayton's purging and sampling Standard Operating Procedure (SOP) 415a, where applicable. A peristaltic pump and/or bailer were used for purging and sampling at locations where low-flow purging/sampling was not applicable. A flow chart illustrating the SOP 415a purging and sampling technique is presented in Appendix C. Upon collection, groundwater samples were placed in laboratory-supplied, pre-preserved (if appropriate) containers. After collection, samples were immediately labeled, placed in a cooler containing ice, and delivered under chain-of-custody procedures to Teklab, Inc. of Collinsville, Illinois for laboratory analysis. The purged groundwater removed from each well was temporarily stored in a tank, equipped with secondary containment, located in a secure area within Hartford before removal by a waste disposal contractor.

Water quality indicator parameters including temperature, pH, oxidation reduction potential, dissolved oxygen, turbidity, and specific conductivity were electronically measured and recorded during low-flow sampling using a calibrated Mini-Troll with an associated Pocket PC (in addition to the field logbook) during purging and prior to sample collection. The downloaded data logger indicator parameter records for the October 2006 event are included in Appendix D. The remaining well records, measured with a Horiba U-10, are also in Appendix D.

Quarterly and annual groundwater samples were analyzed for benzene, ethylbenzene, toluene and xylenes (BETX), methyl tert-butyl ether (MTBE), Skinner List Metals (total and dissolved) along with general chemistry and natural attenuation parameters, as described in Clayton's (2006) Dissolved Phase Groundwater Investigation Report. The practical quantitation limits and analytical methods are presented in Table 5. The containers with applicable preservation requirements (if appropriate) for each parameter are presented in Table 6.

4.0 GROUNDWATER ANALYTICAL RESULTS

In October 2006, the fourth quarter groundwater sampling included a total of 24 wells. The Rand Stratum groundwater sample data set included two wells: HMW-50A and MP-85B. The EPA Stratum groundwater sample data set included three wells: HMW-47B (screened in the B/C Clay), HMW-49C and HMW-50B. The Main Sand groundwater sample data set included nineteen wells:

HMW-38C	HMW-43C	HMW-50C	MP-59A (screened in A Clay)	MP-85D
HMW-39B	HMW-44D	HMW-52C	MP-78D	MP-89C
HMW-39C	HMW-48D	HMW-53C	MP-81C	MP-92D
HMW-40C	HMW-49D	HMW-54C	MP-83C (screened in B/C Clay)	

Groundwater quality values listed in 35 Illinois Administrative Code (IAC) Part 742, Tiered Approach to Corrective Action Objectives (TACO) Tier 1 Groundwater Remediation Objectives (GROs) for Class I groundwater (Illinois Pollution Control Board, 1997) were used as comparison values only for evaluating the October 2006 groundwater analytical results. These results were generally consistent with historical trends. The October 2006 results for BETX and MTBE are provided in Table 7, Skinner List Metals are provided in Table 8, General Chemistry and Natural Attenuation Parameters results are provided in Table 9 and Indicator Parameters are provided in Table 10. Summaries of the fourth quarter 2006 groundwater analytical results (benzene, MTBE, total BETX, total lead, and dissolved lead concentrations) for the Rand Stratum, EPA Stratum, and Main Sand are presented in Figures 7, 8, and 9, respectively. The laboratory analytical results were provided electronically to the USEPA and the Illinois EPA as they were received from the laboratory. Paper copies of the laboratory analytical reports are maintained at Clayton's office in Downers Grove, Illinois. A discussion of the October 2006 results for BETX, MTBE, and Skinner List Metals (total and dissolved) is presented below.

No detectable concentrations of BETX constituents were present in the samples collected from twelve wells: Rand Stratum wells HMW-50A and MP-85B, EPA Stratum wells HMW-47B (screened in B/C Clay) and HMW-50B, and in Main Sand Stratum wells:

HMW-39B	HMW-40C	HMW-54C		MP-92D
HMW-39C	HMW-52C	MP-81C	MP-89C	

Two BETX constituents, benzene and xylenes, were detected at estimated concentrations below their laboratory reporting limit (as qualified by "J") and below their comparison values [5 and 10,000 micrograms per liter (µg/L), respectively] in Main Sand Stratum well sample MP-59A (screened in A Clay) (0.5 J and 1.5 J µg/L, respectively). The identification of an estimated concentration does not establish a definitive presence of any parameter in the sample. Only values above the reporting limit can be considered to establish the presence of a particular parameter. Total BETX concentrations were below

the comparison value (11,705 µg/L) (Illinois Pollution Control Board, 2002) in groundwater samples collected from twenty-one wells.

Samples from eleven wells contained concentrations of benzene above the comparison value (5 µg/L): EPA Stratum well HMW-49C (267 µg/L) and Main Sand Stratum wells:

HMW-38C (4,510 µg/L)	HMW-44D (2,220 µg/L)	HMW-49D (108 and 109 µg/L)	HMW-53C (207 µg/L)	MP-83C (screened in B/C Clay) (8,020 µg/L)
HMW-43C (67.3 & 57.2 µg/L)	HMW-48D (7,750 µg/L)	HMW-50C (77.8 µg/L)	MP-78D (15,800 µg/L)	MP-85D (3,970 µg/L)

Samples from three wells contained concentrations of ethylbenzene above the comparison value (700 µg/L): EPA Stratum well HMW-49C (3,740 µg/L), and Main Sand Stratum wells MP-78D (2,600 µg/L) and MP-83C (screened in B/C Clay) (1,960 µg/L). Samples from three wells contained concentrations of toluene above the comparison value (1,000 µg/L): EPA Stratum well HMW-49C (6,350 µg/L), and Main Sand Stratum wells MP-78D (26,700 µg/L) and MP-83C (screened in B/C Clay) (18,000 µg/L). The sample from one well contained a concentration of xylenes above the comparison value (10,000 µg/L): Main Sand Stratum well MP-78D (10,700 µg/L). Samples from three wells contained total BETX concentrations above the comparison value (11,705 µg/L): EPA Stratum well HMW-49C (19,997 µg/L), and Main Sand Stratum wells MP-78D (55,800 µg/L) and MP-83C (screened in B/C Clay) (36,500 µg/L).

No detectable concentrations of MTBE were present in samples collected from seventeen wells:

Rand Stratum well HMW-50A	Main Sand Stratum HMW-38C	Main Sand Stratum HMW-43C	Main Sand Stratum HMW-54C
Rand Stratum well MP-85B	Main Sand Stratum HMW-39B	Main Sand Stratum HMW-44D	Main Sand Stratum MP-59A (screened in A Clay)
EPA Stratum well HMW-47B (screened in B/C Clay)	Main Sand Stratum HMW-39C	Main Sand Stratum HMW-52C	Main Sand Stratum MP-81C
EPA Stratum well HMW-50B	Main Sand Stratum HMW-40C	Main Sand Stratum HMW-53C	Main Sand Stratum MP-89C
			Main Sand Stratum MP-92D

In addition, MTBE was not detected in samples collected from Main Sand Stratum wells MP-78D

(<1,000 µg/L) and MP-83C (screened in B/C Clay) (<400 µg/L); however, the reporting limit was above the comparison value (70 µg/L).

Samples from Main Sand Stratum wells HMW-48D (4.0 µg/L), HMW-49D (46.6 and 37 µg/L), and HMW-50C (3.8 µg/L) contained concentrations of MTBE below the comparison value (70 µg/L).

Samples from EPA Stratum well HMW-49C (818 µg/L) and Main Sand Stratum well MP-85D (146 µg/L) contained MTBE at concentrations above the comparison value (70 µg/L). In general, the presence of MTBE is sporadic and concentrations have historically decreased with increasing depth, as shown at well nest HMW-49.

A total of 13 metals were detected in the samples from the 24 wells during October 2006:

antimony	cadmium	lead	zinc
arsenic	chromium	nickel	
barium	cobalt	selenium	
beryllium	iron	vanadium	

Three of the metals (arsenic, iron, and lead) were present at concentrations above comparison values. Total arsenic was present in samples from three wells, at concentrations above the comparison value (0.05 milligrams per liter (mg/L): Rand Stratum well MP-85B (0.124 mg/L) and Main Sand Stratum wells HMW-38C (0.0982 mg/L) and HMW-40C (0.362 and 0.130 mg/L).

Total iron was present in samples from seventeen wells, at concentrations above the comparison value (5 mg/L): Rand Stratum well MP-85B (56.8 mg/L), EPA Stratum well HMW-49C (19.4 mg/L), and in the following Main Sand Stratum wells (ranging from 6.49 to 80.3 mg/L):

HMW-38C	HMW-43C	HMW-49D	HMW-54C	MP-85D
HMW-39B	HMW-44D	HMW-52C	MP-78D	MP-89C
HMW-40C	HMW-48D	HMW-53C	MP-83C (screened in B/C Clay)	MP-92D

Dissolved iron was present in samples from sixteen wells, at concentrations above the comparison value (5 mg/L): Rand Stratum well MP-85B (37.2 mg/L), EPA Stratum well HMW-49C (17.3 mg/L), and in the following Main Sand Stratum wells (ranging from 6.76 to 33.8 mg/L):

HMW-38C	HMW-44D	HMW-52C	MP-78D	MP-89C
HMW-40C	HMW-48D	HMW-53C	MP-83C (screened in B/C Clay)	MP-92D
HMW-43C	HMW-49D	HMW-54C	MP-85D	

Total lead was present in samples from two wells, at concentrations above the comparison value (0.0075 mg/L): Rand Stratum well MP-85B (0.0171 mg/L) and EPA Stratum well HMW-49C (0.0197 mg/L). Dissolved lead was present above the comparison value (0.0075 mg/L) in the sample from EPA Stratum well HMW-49C (0.0162 mg/L).

An evaluation of the Quality Assurance/Quality Control samples from this monitoring event revealed no concerns.

Summary tables for 2006 presenting groundwater analytical results for BETX constituents and MTBE, metals (total and dissolved), and general chemistry and natural attenuation parameters, which have been updated with the October 2006 quarterly results, are presented in Appendix E for reference. Figures illustrating the historic summary of groundwater analytical results for benzene, MTBE, total BETX, total SVOCs, total lead, and dissolved lead, inclusive of the October 2006 quarterly results, for each hydrostratigraphic unit, are in Appendix F.

5.0 CONCLUSIONS

The fourth quarter 2006 groundwater gauging and sampling activities conducted in October focused on monitoring conditions along the perimeter of the dissolved phase plume. It also included annual monitoring of conditions at selected wells within the dissolved phase plume. LNAPL was identified primarily in the combined EPA and shallow Main Sand Strata (reference Appendix B). The extent of LNAPL in the combined EPA and shallow Main Sand Strata was primarily north of East Maple Street, east of Illinois State Route 3, and south of Rand Avenue. The extent of LNAPL was limited to four wells in the Rand Stratum (HMW-4, HMW-48B, MP-29C, and MP-37C), located in the northeast corner of the Site. No measurable LNAPL was present in the North Olive Stratum or the Main Sand Stratum Below the D Clay.

The conclusions drawn from the fourth quarter 2006 activities are consistent with Clayton's (2006) Dissolved Phase Groundwater Investigation Report. The extent of the dissolved phase hydrocarbon

plume appears to be defined within the available area of investigation.

The following findings are consistent with groundwater flow in the Main Sand, which, based on a review of both historical and October 2006 flow mapping data, has consistently been northerly.

- Groundwater analytical results along the southern and western boundaries of the interpreted extent of the ROST response showed no indications of dissolved phase hydrocarbons, with the exception of two wells (HMW-38C at the northwest corner of Site and HMW-43C at the southeast corner of Site) located adjacent to the extent of the ROST response.

- Groundwater analytical results along the northern and eastern boundaries of the Site, and at wells HMW-38C and HMW-43C, located adjacent to the extent of the ROST response at the northwest and southeast corners of the Site, respectively, indicated the presence of dissolved phase hydrocarbon concentrations above groundwater comparison values.

6.0 RECOMMENDATIONS AND FUTURE ACTIVITIES

Quarterly groundwater sampling of the sentinel wells has been ongoing since December 2003. Beginning in late fall 2004, additional monitoring locations (installed as part of investigative activities), that did not contain LNAPL, were included with the sentinel well sampling. The non-sentinel well monitoring locations, with subsequent additions over time resulting from further site investigation, were monitored quarterly through 2005 in an effort to enhance the understanding of dissolved phase hydrocarbon impacted groundwater. As presented in the Dissolved Phase Groundwater Investigation Report (Clayton 2006), to monitor conditions along the perimeter of the dissolved phase plume, a select number of monitoring locations continued to be sampled and analyzed on a quarterly basis (see Table 1) starting in 2006. To monitor conditions within the dissolved phase plume, a select number of monitoring locations also continued to be sampled and analyzed on an annual basis (see Table 1) beginning in 2006 (Clayton 2006).

In general, routine quarterly monitoring began in January 2005 including BETX, MTBE, "Skinner List" total metals, "Skinner List" dissolved metals and general chemistry with natural attenuation parameters included beginning in July 2005 (other parameters such as SVOCs were also analyzed during this time

frame). As discussed above, monitoring continued in January 2006 at selected locations in Hartford for the above primary parameters.

Based on the historical general chemistry and natural attenuation data, the HWG proposes to reduce the 2007 sampling frequency for these parameters from quarterly to annually (4th quarter only). These modifications are based on the general consistency of groundwater concentration data over the course of monitoring. Future sampling of these parameters may be re-evaluated based on documented changes in groundwater concentration trends or the general conceptual site model.

An evaluation of the historical groundwater analytical results indicates that, of the Skinner List metal parameters, only arsenic and lead have exhibited concentrations above comparison values (TACO Tier 1 GROs for Class I Groundwater) on a consistent, non-sporadic basis. Therefore, it is proposed that future quarterly monitoring groundwater samples be submitted for laboratory analysis of BETX, MTBE, arsenic (total and dissolved) and lead (total and dissolved).

The new parameter list is proposed for implementation during the next quarterly groundwater monitoring sampling event (First Quarter 2007). 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, Shell, and Premcor groundwater monitoring wells at that time.

7.0 REFERENCES

Clayton Group Services, Inc., January 4, 2006. *Dissolved Phase Groundwater Investigation Report for The Hartford Area Hydrocarbon Plume Site, Hartford, Illinois.*

Clayton Group Services, Inc., August 8, 2006. *Quarterly Groundwater Monitoring Report April 2006, The Hartford Area Hydrocarbon Plume Site, Hartford, Illinois.*

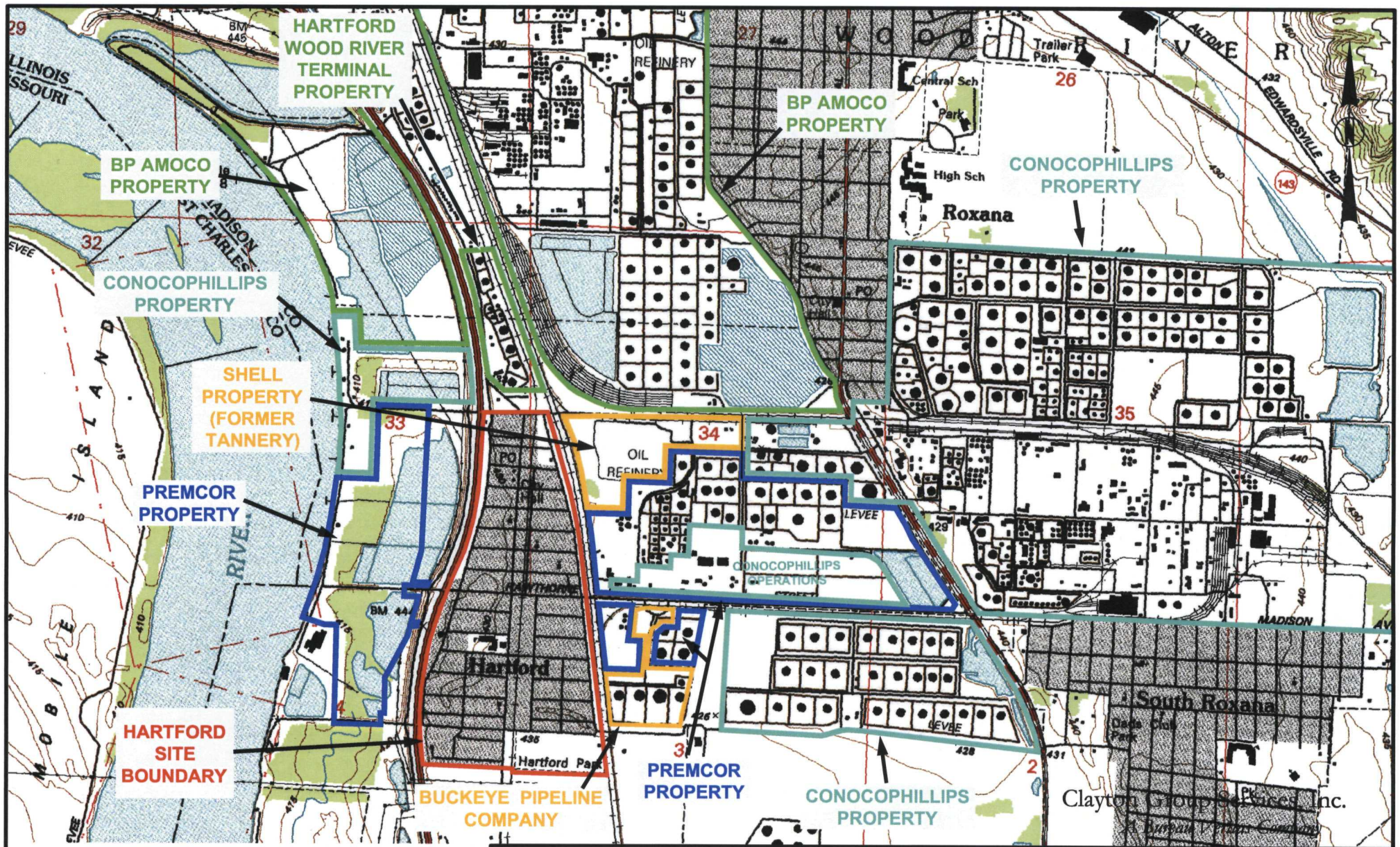
Clayton Group Services, Inc., December 15, 2005. *LNAPL Active Recovery System Conceptual Site Model, The Hartford Area Hydrocarbon Plume Site, Hartford, Illinois.*

Illinois Pollution Control Board, 1997. *Tiered Approach to Corrective Action Objectives: 35 IAC Part 742.* Adopted rule, Final Order June 5, 1997. Last amended February 2002.

Illinois Pollution Control Board, February 5, 2002. *Groundwater Quality: 35 IAC Part 620.*

United States Environmental Protection Agency, Region 5, Chicago, Illinois. *In the Matter of the Hartford Area Hydrocarbon Plume Site.* (Docket No. R7003-5-04-001).

FIGURES



** NOT TO SCALE **

SOURCE:
USGS 7.5 MINUTE SERIES TOPOGRAPHIC MAP
(WOOD RIVER, ILL.–MO. – rev.1994)

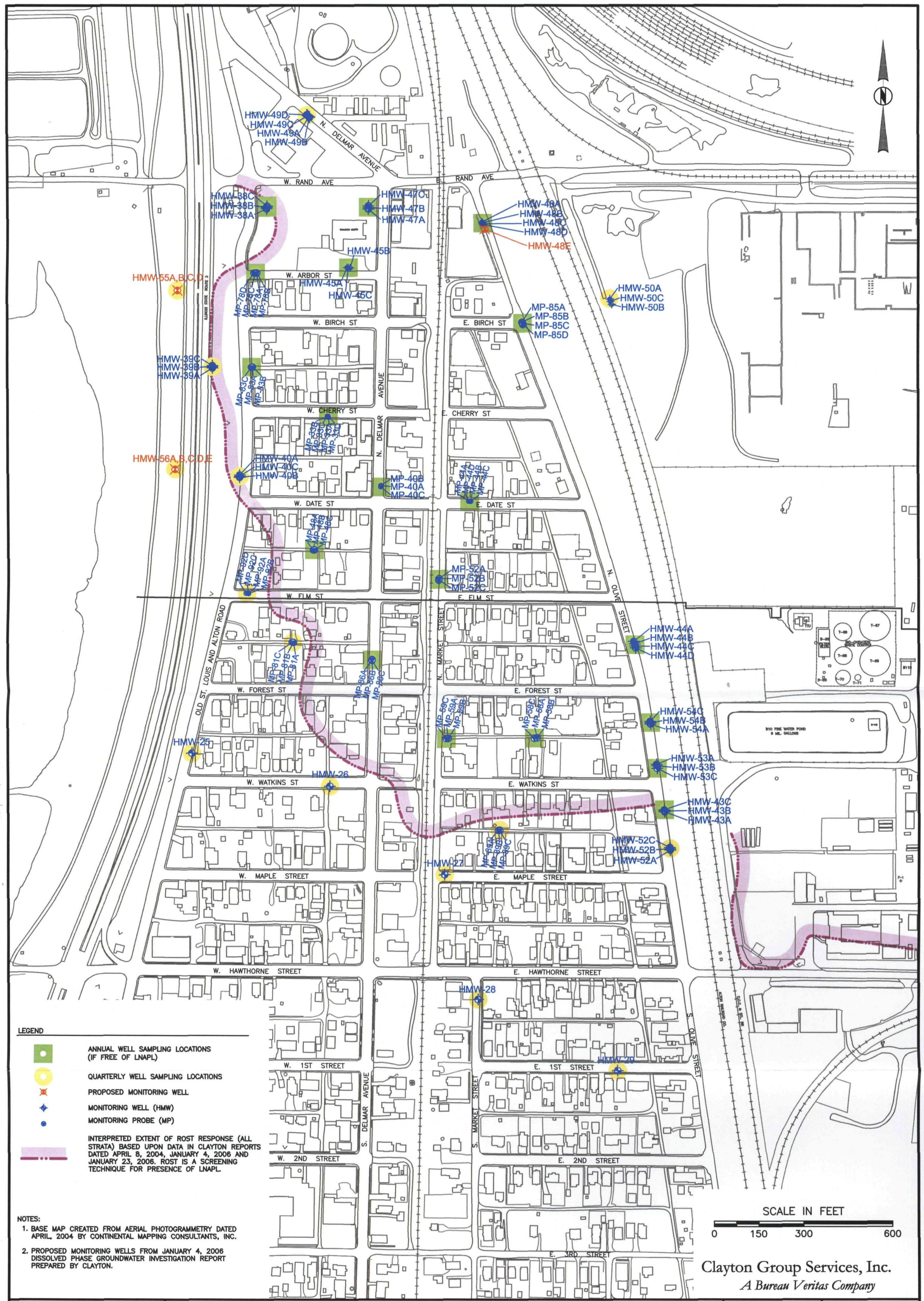
CHK BY	
DWN BY	BCP
DATE	8–8–06
SCALE	AS SHOWN
CAD NO.	0309512001B
PRJ NO.	15–03095.14

VILLAGE OF HARTFORD, IL
AND SURROUNDING AREA MAP

THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE 1



CHECK BY	KDC
DRAWN BY	OS/BCP
DATE	12-8-06
SCALE	AS SHOWN
CAD NO.	0309514011K2
PRJ NO.	15-03095.14

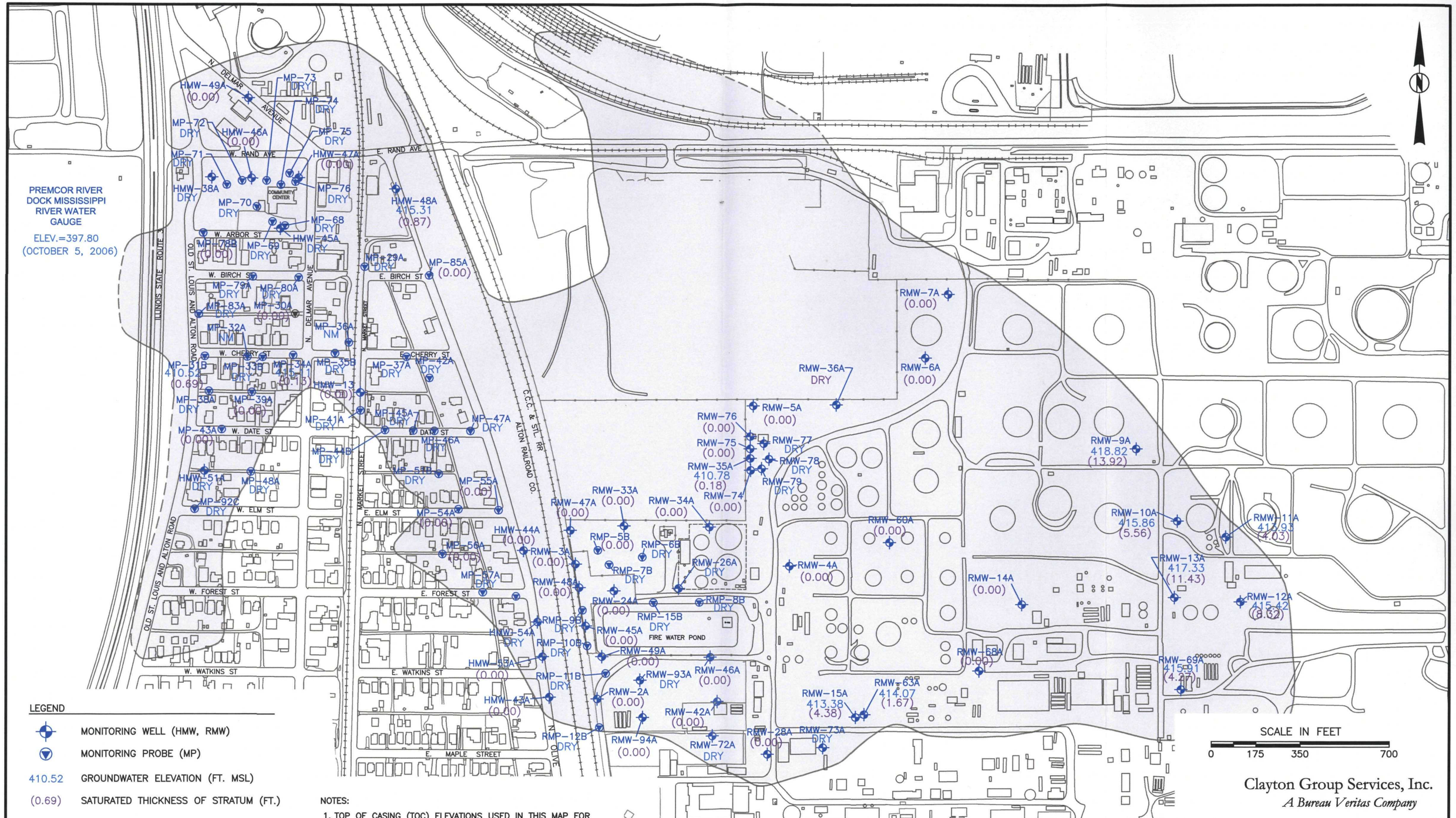
MONITORING WELL LOCATIONS FOR QUARTERLY/ANNUAL SAMPLING

THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE

2



LEGEND

- MONITORING WELL (HMW, RMW)
- MONITORING PROBE (MP)
- 410.52 GROUNDWATER ELEVATION (FT. MSL)
- (0.69) SATURATED THICKNESS OF STRATUM (FT.)
- NM NOT MEASURED
- (0.00) WATER IN PROBE/WELL IS WITHIN THE SUMP OF WELL AND/OR BELOW BASE OF STRATUM
- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)

NOTES:

1. TOP OF CASING (TOC) ELEVATIONS USED IN THIS MAP FOR VILLAGE WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2003–2005. TOC ELEVATIONS FOR ALL PREMCOR FACILITY WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2004–2006. TOC ELEVATIONS FOR ALL OTHER WELLS WERE OBTAINED FROM HISTORICAL SURVEYS BY CMT, INC.
2. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.

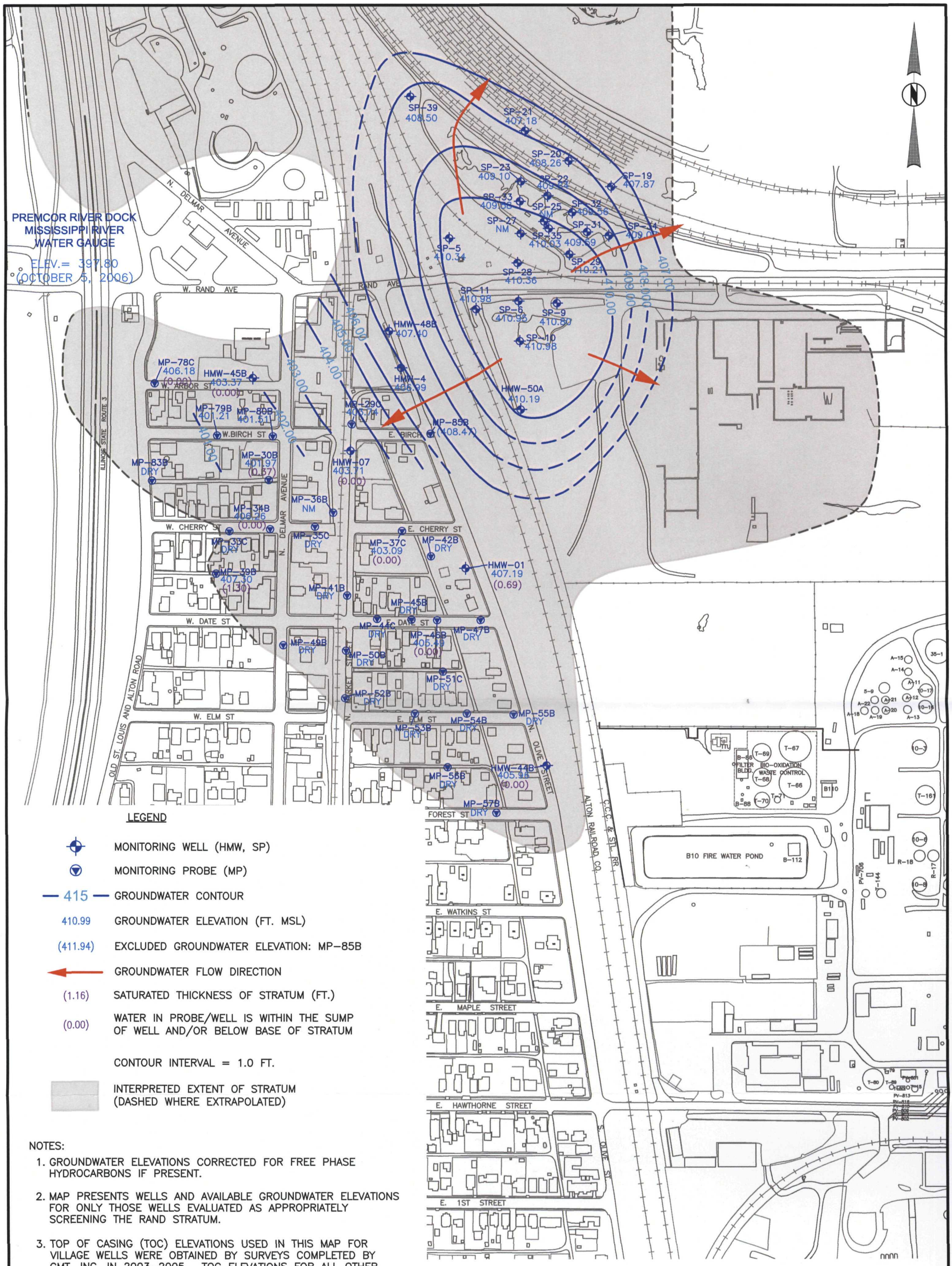
Clayton Group Services, Inc.
A Bureau Veritas Company

CHECK BY	BAL
DRAWN BY	BCP
DATE	12–1–06
SCALE	AS SHOWN
CAD NO.	0309507e115a
PRJ NO.	15–03095.14

GROUNDWATER ELEVATION MAP
OCTOBER 4–6, 2006
NORTH OLIVE STRATUM
THE HARTFORD AREA HYRDOCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE
3



LEGEND

- MONITORING WELL (HMW, SP)
- MONITORING PROBE (MP)
- 415 — GROUNDWATER CONTOUR
- 410.99 GROUNDWATER ELEVATION (FT. MSL)
- (411.94) EXCLUDED GROUNDWATER ELEVATION: MP-85B
- GROUNDWATER FLOW DIRECTION
- (1.16) SATURATED THICKNESS OF STRATUM (FT.)
- (0.00) WATER IN PROBE/WELL IS WITHIN THE SUMP OF WELL AND/OR BELOW BASE OF STRATUM
- CONTOUR INTERVAL = 1.0 FT.
- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)

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. TOP OF CASING (TOC) ELEVATIONS USED IN THIS MAP FOR VILLAGE WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2003–2005. TOC ELEVATIONS FOR ALL OTHER WELLS WERE OBTAINED FROM HISTORICAL SURVEYS BY CMT, INC.
4. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.

SCALE IN FEET

0 150 300 600

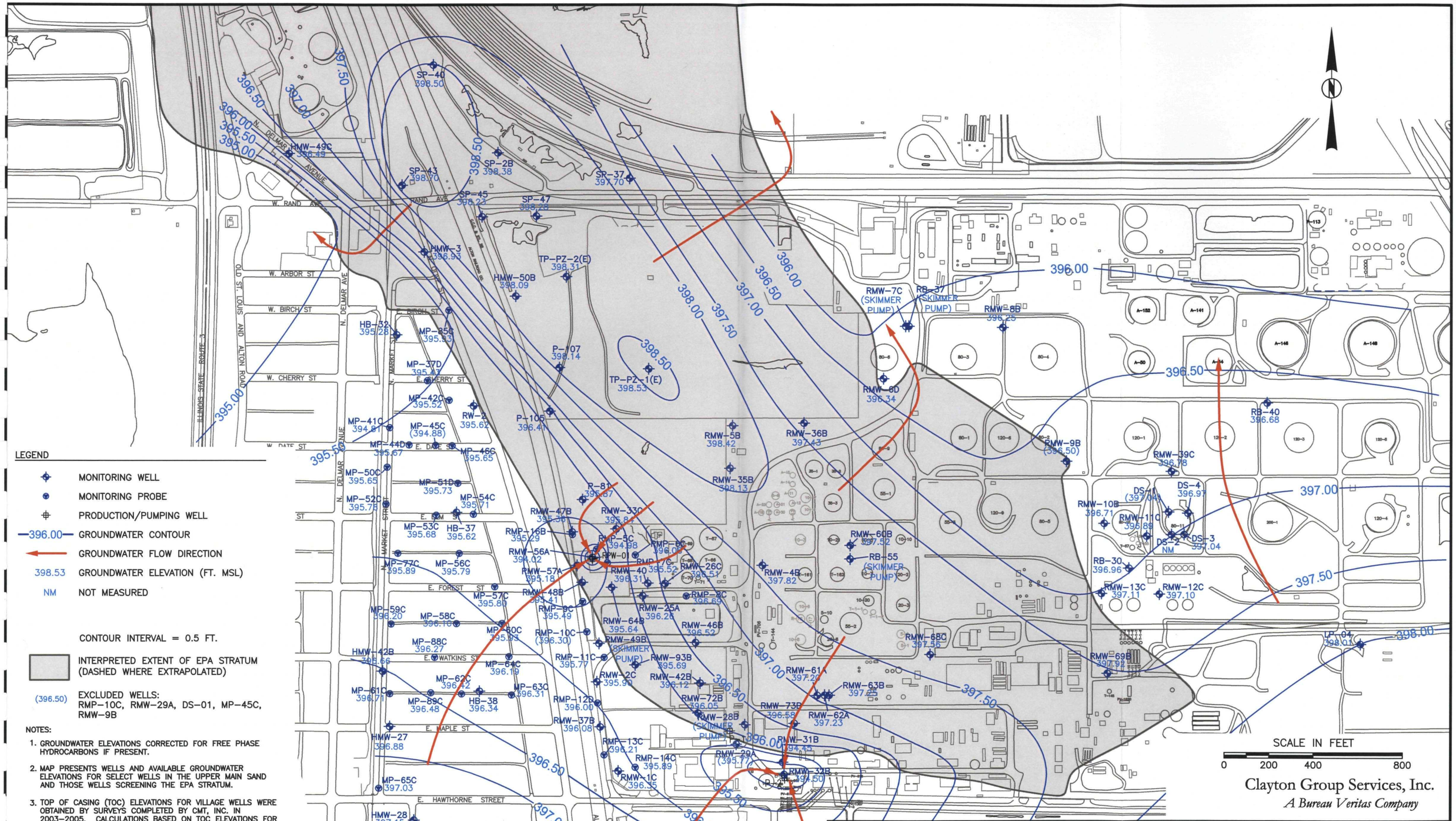
Clayton Group Services, Inc.
A Bureau Veritas Company

CHECK BY	BAL
DRAWN BY	BCP
DATE	12–1–06
SCALE	AS SHOWN
CAD NO.	0309507e116
PRJ NO.	003095.17

GROUNDWATER FLOW MAP
OCTOBER 4–6, 2006
RAND STRATUM
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE 4



NOTES:

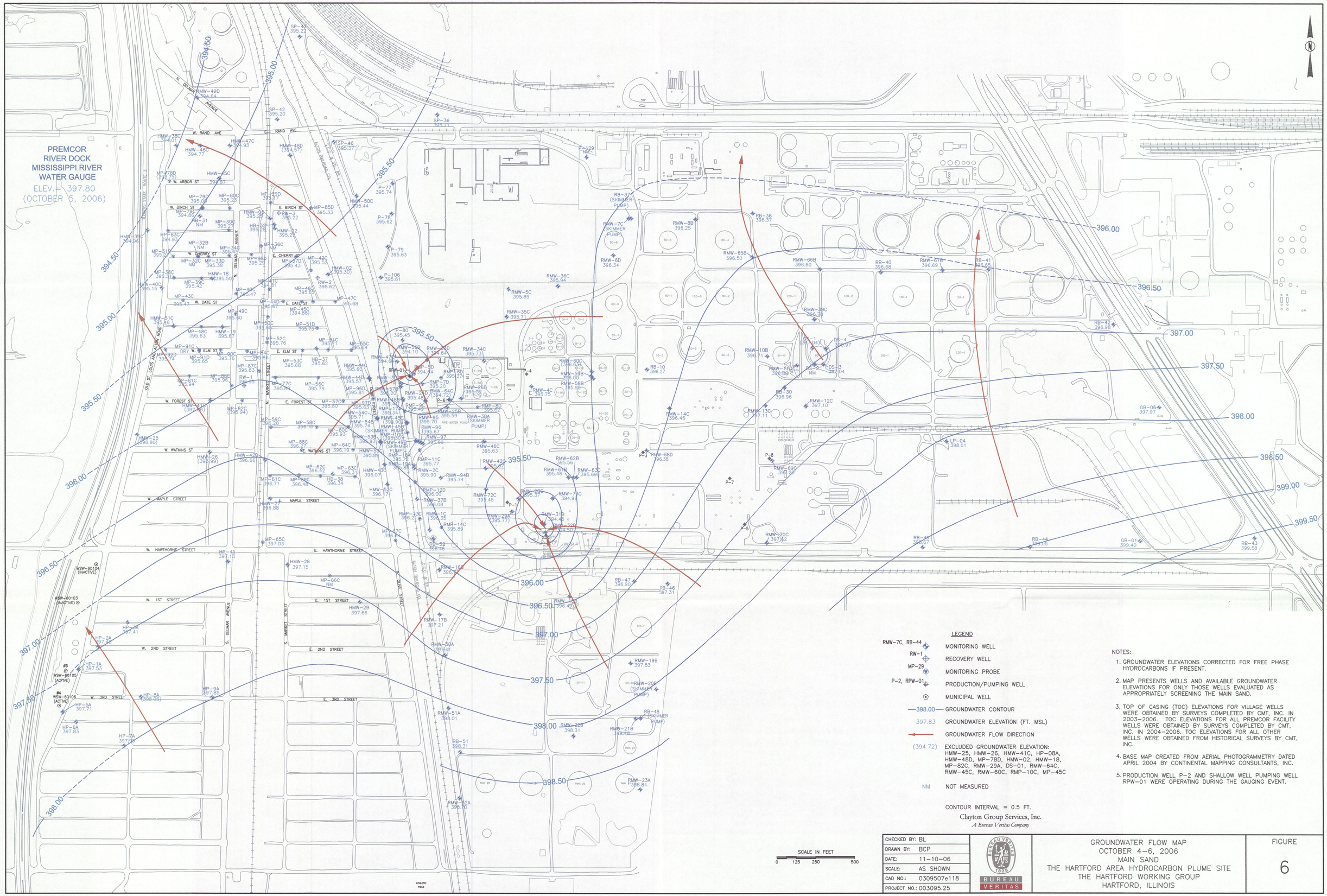
1. GROUNDWATER ELEVATIONS CORRECTED FOR FREE PHASE HYDROCARBONS IF PRESENT.
2. MAP PRESENTS WELLS AND AVAILABLE GROUNDWATER ELEVATIONS FOR SELECT WELLS IN THE UPPER MAIN SAND AND THOSE WELLS SCREENING THE EPA STRATUM.
3. TOP OF CASING (TOC) ELEVATIONS FOR VILLAGE WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2003-2005. CALCULATIONS BASED ON TOC ELEVATIONS FOR ALL PREMCOR FACILITY WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2004-2006. CALCULATIONS BASED ON TOC ELEVATIONS FOR ALL OTHER WELLS WERE OBTAINED FROM HISTORICAL SURVEYS BY CMT, INC.
4. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
5. PRODUCTION WELL P-2 AND SHALLOW PUMPING WELL RPW-01 WERE OPERATING DURING THE GAUGING EVENT.

CHECK BY	BL
DRAWN BY	BCP
DATE	11-10-06
SCALE	AS SHOWN
CAD NO.	0309507e117
PRJ NO.	15-03095.25

GROUNDWATER FLOW MAP
OCTOBER 4-6, 2006
COMBINED EPA STRATUM AND SHALLOW MAIN SAND
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE
5



NOTES:

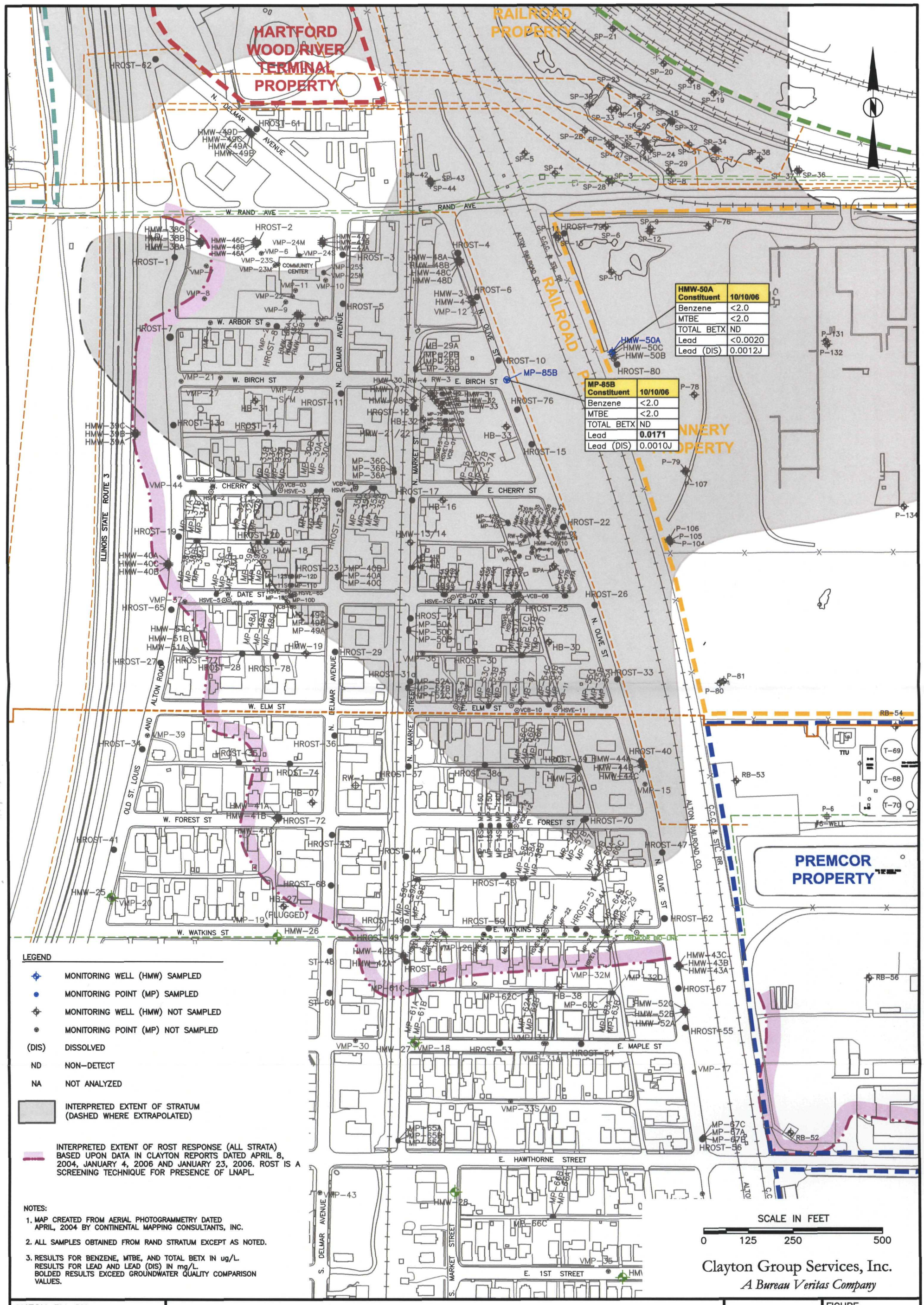
1. GROUNDWATER ELEVATIONS CORRECTED FOR FREE PHASE HYDROCARBONS IF PRESENT.
2. MAP PRESENTS WELLS AND AVAILABLE GROUNDWATER ELEVATIONS FOR ONLY THOSE WELLS EVALUATED AS APPROPRIATELY SCREENING THE MAIN SAND.
3. TOP OF CASING (TOC) ELEVATIONS FOR VILLAGE WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2003–2006. TOC ELEVATIONS FOR ALL PREMCOR FACILITY WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2004–2006. TOC ELEVATIONS FOR ALL OTHER WELLS WERE OBTAINED FROM HISTORICAL SURVEYS BY CMT, INC.
4. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
5. PRODUCTION WELL P–2 AND SHALLOW WELL PUMPING WELL RPW–01 WERE OPERATING DURING THE GAUGING EVENT.

CHECKED BY:	BL
DRAWN BY:	BCP
DATE:	11–10–06
SCALE:	AS SHOWN
CAD NO.:	0309507e118
PROJECT NO.:	003095.25

BUREAU VERITAS

GROUNDWATER FLOW MAP
OCTOBER 4–6, 2006
MAIN SAND
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

FIGURE
6

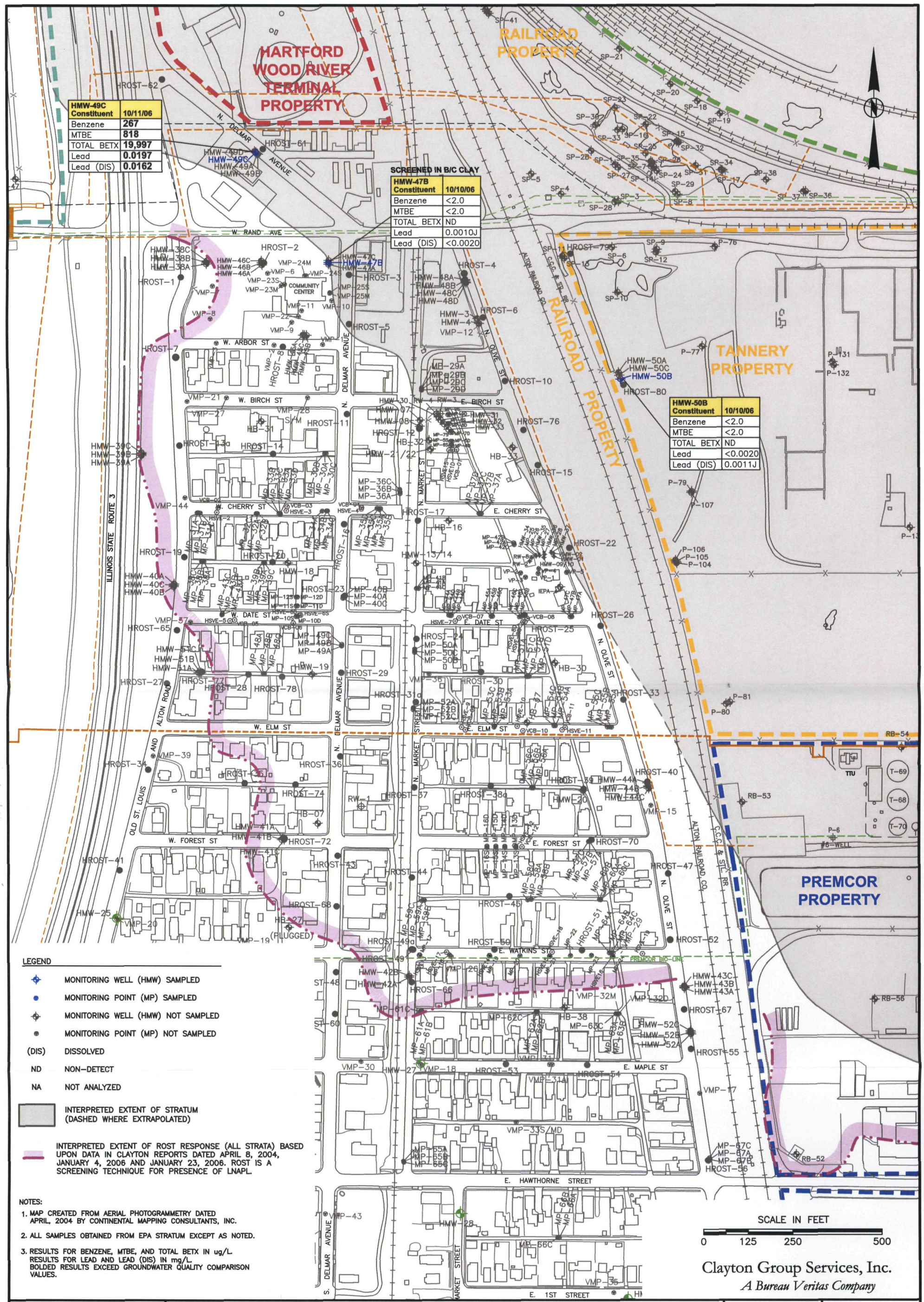


CHECK BY	SK
DRAWN BY	KC
DATE	11-7-06
SCALE	AS SHOWN
CAD NO.	RAND_1106
PRJ NO.	15-03095.17

GROUNDWATER ANALYTICAL RESULTS
OCTOBER 2006
RAND STRATUM
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE 7

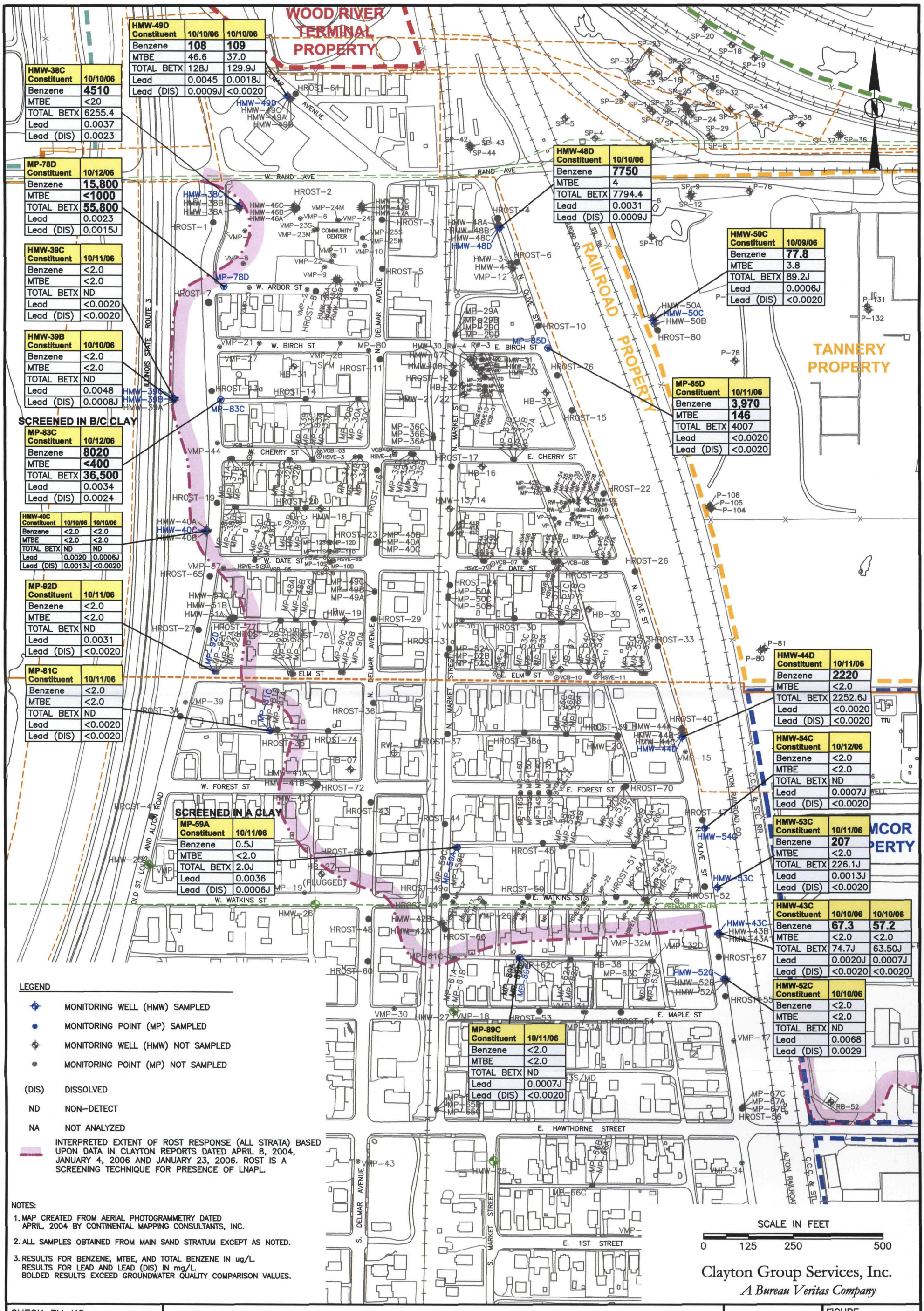


CHECK BY	KC
DRAWN BY	SK
DATE	11-7-06
SCALE	AS SHOWN
CAD NO.	EPA_1106
PRJ NO.	15-03095.17

GROUNDWATER ANALYTICAL RESULTS
OCTOBER 2006
EPA STRATUM
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE 8



HMW-49D Constituent	10/10/06	10/10/06
Benzene	108	109
MTBE	46.6	37.0
TOTAL BETX	128J	129.9J
Lead	0.0045	0.0018J
Lead (DIS)	0.0009J	<0.0020

HMW-38C Constituent	10/10/06
Benzene	4510
MTBE	<20
TOTAL BETX	6255.4
Lead	0.0037
Lead (DIS)	0.0023

MP-78D Constituent	10/12/06
Benzene	15,800
MTBE	<1000
TOTAL BETX	55,800
Lead	0.0023
Lead (DIS)	0.0015J

HMW-39C Constituent	10/11/06
Benzene	<2.0
MTBE	<2.0
TOTAL BETX	ND
Lead	<0.0020
Lead (DIS)	<0.0020

HMW-39B Constituent	10/10/06
Benzene	<2.0
MTBE	<2.0
TOTAL BETX	ND
Lead	0.0048
Lead (DIS)	0.0008J

MP-83C Constituent	10/12/06
Benzene	8020
MTBE	<400
TOTAL BETX	36,500
Lead	0.0034
Lead (DIS)	0.0024

HMW-40C Constituent	10/10/06	10/10/06
Benzene	<2.0	<2.0
MTBE	<2.0	<2.0
TOTAL BETX	ND	ND
Lead	0.0020	0.0006J
Lead (DIS)	0.0013J	<0.0020

MP-92D Constituent	10/11/06
Benzene	<2.0
MTBE	<2.0
TOTAL BETX	ND
Lead	0.0031
Lead (DIS)	<0.0020

MP-81C Constituent	10/11/06
Benzene	<2.0
MTBE	<2.0
TOTAL BETX	ND
Lead	<0.0020
Lead (DIS)	<0.0020

MP-59A Constituent	10/11/06
Benzene	0.5J
MTBE	<2.0
TOTAL BETX	2.0J
Lead	0.0036
Lead (DIS)	0.0006J

HMW-48D Constituent	10/10/06
Benzene	7750
MTBE	4
TOTAL BETX	7794.4
Lead	0.0031
Lead (DIS)	0.0009J

HMW-50C Constituent	10/09/06
Benzene	77.8
MTBE	3.8
TOTAL BETX	89.2J
Lead	0.0006J
Lead (DIS)	<0.0020

MP-85D Constituent	10/11/06
Benzene	3,970
MTBE	146
TOTAL BETX	4007
Lead	<0.0020
Lead (DIS)	<0.0020

HMW-44D Constituent	10/11/06
Benzene	2220
MTBE	<2.0
TOTAL BETX	2252.6J
Lead	<0.0020
Lead (DIS)	<0.0020

HMW-54C Constituent	10/12/06
Benzene	<2.0
MTBE	<2.0
TOTAL BETX	ND
Lead	0.0007J
Lead (DIS)	<0.0020

HMW-53C Constituent	10/11/06
Benzene	207
MTBE	<2.0
TOTAL BETX	226.1J
Lead	0.0013J
Lead (DIS)	<0.0020

HMW-43C Constituent	10/10/06	10/10/06
Benzene	67.3	57.2
MTBE	<2.0	<2.0
TOTAL BETX	74.7J	63.50J
Lead	0.0020J	0.0007J
Lead (DIS)	<0.0020	<0.0020

HMW-52C Constituent	10/10/06
Benzene	<2.0
MTBE	<2.0
TOTAL BETX	ND
Lead	0.0068
Lead (DIS)	0.0029

MP-89C Constituent	10/11/06
Benzene	<2.0
MTBE	<2.0
TOTAL BETX	ND
Lead	0.0007J
Lead (DIS)	<0.0020

LEGEND

- MONITORING WELL (HMW) SAMPLED
- MONITORING POINT (MP) SAMPLED
- MONITORING WELL (HMW) NOT SAMPLED
- MONITORING POINT (MP) NOT SAMPLED
- (DIS) DISSOLVED
- ND NON-DETECT
- NA NOT ANALYZED
- INTERPRETED EXTENT OF ROST RESPONSE (ALL STRATA) BASED UPON DATA IN CLAYTON REPORTS DATED APRIL 8, 2004, JANUARY 4, 2006 AND JANUARY 23, 2006. ROST IS A SCREENING TECHNIQUE FOR PRESENCE OF LNAPL.

NOTES:

1. MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
2. ALL SAMPLES OBTAINED FROM MAIN SAND STRATUM EXCEPT AS NOTED.
3. RESULTS FOR BENZENE, MTBE, AND TOTAL BENZENE IN ug/L. RESULTS FOR LEAD AND LEAD (DIS) IN mg/L. BOLDED RESULTS EXCEED GROUNDWATER QUALITY COMPARISON VALUES.

Clayton Group Services, Inc.
A Bureau Veritas Company

CHECK BY	KC
DRAWN BY	SK
DATE	11-7-06
SCALE	AS SHOWN
CAD NO.	MAINSAND_1106
PRJ NO.	15-03095.17

GROUNDWATER ANALYTICAL RESULTS
OCTOBER 2006
MAIN SAND STRATUM
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE 9

TABLES

TABLE 1
OCTOBER 2006 GROUNDWATER SAMPLING WELL LIST
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, IL

WELL LOCATIONS	STRATUM SCREENED	SENTINEL WELL QUARTERLY SAMPLING[a]	QUARTERLY SAMPLING	ANNUAL SAMPLING
HMW-25	Main Sand	S		
HMW-26	Main Sand	S		
HMW-27	Main Sand	S		
HMW-28	Main Sand	S		
HMW-29	Main Sand	S		
HMW-38A	N. Olive			NS
HMW-38B	B/C Clay (PL in B/C Clay)			NS
HMW-38C	Main Sand			S
HMW-39A	Main Silt (Rand Horizon)		NS	
HMW-39B	Main Silt (Rand Horizon)		S	
HMW-39C	Main Sand		S	
HMW-40A	A Clay		NS	
HMW-40B	Main Sand		NS	
HMW-40C	Main Sand		S	
HMW-43A	N. Olive			NS
HMW-43B	B/C Clay (PL in B/C Clay)			NS
HMW-43C	Main Sand			S
HMW-44A	N. Olive			NS
HMW-44B	Rand			NS
HMW-44C	Main Sand			P
HMW-44D	Main Sand (below LNAPL)			S
HMW-45A	N. Olive			NS
HMW-45B	Rand			NS
HMW-45C	Main Sand			P
HMW-47A	N. Olive			NS
HMW-47B	B/C Clay (PL in B/C Clay)			S
HMW-47C	Main Sand			P
HMW-48A	N. Olive			NS
HMW-48B	Rand			P
HMW-48C	EPA			P
HMW-48D	Main Sand (below D Clay)			S
HMW-48E	NI			NI
HMW-49A	N. Olive		NS	
HMW-49B	B/C Clay (PL in B/C Clay)		NS	
HMW-49C	EPA		S	
HMW-49D	Main Sand (below D Clay)		S	
HMW-50A	Rand		S	
HMW-50B	EPA		S	
HMW-50C	Main Sand (below D Clay)		S	
HMW-52A	Main Silt (N. Olive Horizon)		NS	
HMW-52B	Main Silt (Rand Horizon)		NS	
HMW-52C	Main Sand		S	
HMW-53A	N. Olive			NS
HMW-53B	Main Silt (Rand Horizon) / Main Sand			P
HMW-53C	Main Sand (below LNAPL)			S

CLAYTON GROUP SERVICES, INC.

TABLE 1
OCTOBER 2006 GROUNDWATER SAMPLING WELL LIST
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, IL

WELL LOCATIONS	STRATUM SCREENED	SENTINEL WELL QUARTERLY SAMPLING[a]	QUARTERLY SAMPLING	ANNUAL SAMPLING
HMW-54A	N. Olive			NS
HMW-54B	Main Sand			P
HMW-54C	Main Sand (below LNAPL)			S
HMW-55A	NI		NI	
HMW-55B	NI		NI	
HMW-55C	NI		NI	
HMW-55D	NI		NI	
HMW-56A	NI		NI	
HMW-56B	NI		NI	
HMW-56C	NI		NI	
HMW-56D	NI		NI	
HMW-56E	NI		NI	
MP-33A	A Clay			NS
MP-33B	N. Olive			NS
MP-33C	Rand			NS
MP-33D	Main Sand			P
MP-40A	A Clay (PL in A Clay)			NS
MP-40B	Main Silt (Rand Horizon)			NS
MP-40C	Main Sand			P
MP-44A	A Clay			NS
MP-44B	N. Olive			NS
MP-44C	Rand			NS
MP-44D	Main Sand			P
MP-48A	N. Olive			NS
MP-48B	Main Silt (Rand Horizon)			NS
MP-48C	Main Sand			P
MP-52A	A Clay (PL in A Clay)			NS
MP-52B	Rand			NS
MP-52C	Main Sand			P
MP-58A	A Clay			NS
MP-58B	Main Silt (Rand Horizon)			NS
MP-58C	Main Sand			P
MP-59A	A Clay			S
MP-59B	Main Silt (Rand Horizon)			NS
MP-59C	Main Sand			P
MP-78A	A Clay			NS
MP-78B	N. Olive			NS
MP-78C	Rand			NS
MP-78D	Main Sand			S
MP-81A	A Clay (PL in A Clay)		NS	
MP-81B	Main Silt (Rand Horizon)		NS	
MP-81C	Main Sand		S	
MP-83A	N. Olive			NS
MP-83B	Rand			NS
MP-83C	Main Sand			S
MP-85A	N. Olive			NS

CLAYTON GROUP SERVICES, INC.

TABLE 1
OCTOBER 2006 GROUNDWATER SAMPLING WELL LIST
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, IL

WELL LOCATIONS	STRATUM SCREENED	SENTINEL WELL QUARTERLY SAMPLING[a]	QUARTERLY SAMPLING	ANNUAL SAMPLING
MP-85B	Rand			S
MP-85C	EPA			P
MP-85D	Main Sand (below D Clay)			S
MP-86A	A Clay (PL in A Clay)			NS
MP-86B	Main Silt (Rand Horizon)			NS
MP-86C	Main Sand			P
MP-89A	A Clay		NS	
MP-89B	Main Silt (Rand Horizon)		NS	
MP-89C	Main Sand		S	
MP-92C	N. Olive		NS	
MP-92D	Main Silt (Rand Horizon) / Main Sand		S	

NOTES:
(a) = Sentinel Well Quarterly Sampling and Quarterly Sampling are reported under separate submittals, quarterly.
MP-92 A & B are probes which are not constructed to allow groundwater sampling.
S = Well sampled.
NS = Well not sampled due to being dry or containing an insufficient amount of water for sampling.
P = Well not sampled due to product present.
NI = Well proposed to be installed and included in future sampling.
PL = Permeable Lens

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
IEPA-4	Main Sand	07/06/06	430.35	32.57	34.53	397.78	395.82	1.96	0.35	397.33
		10/05/06	430.35	34.12	35.56	396.23	394.79	1.44	0.16	395.90
HB-07	Main Sand	--	432.32	PLUGGED	PLUGGED	PLUGGED	PLUGGED	PLUGGED	--	PLUGGED
HB-16[3]	Main Sand	07/06/06	431.42	--	--	--	--	--	--	--
		10/04/06	431.42	36.30	37.18	395.12	394.24	0.88	0.07	394.92
HB-27	Main Sand	--	425.83	PLUGGED	PLUGGED	PLUGGED	PLUGGED	PLUGGED	--	PLUGGED
HB-30	Main Sand	04/04/06	431.08	34.16	34.98	396.92	396.10	0.82	0.06	396.73
		07/06/06	431.08	32.71	32.78	398.37	398.30	0.07	0.01	398.35
		10/04/06	431.08	34.84	35.05	396.24	396.03	0.21	0.02	396.19
HB-31[3]	Main Sand	07/06/06	431.49	NA	35.12	NA	396.37	0.00	0.00	396.37
		10/05/06	431.49	--	--	--	--	--	--	--
HB-32	Main Sand	04/04/06	433.45	NA	37.21	NA	396.24	0.00	0.00	396.24
		07/06/06	433.45	NA	36.75	NA	396.70	0.00	0.00	396.70
		10/05/06	433.45	NA	38.17	NA	395.28	0.00	0.00	395.28
HB-33	Rand/C Clay/EPA/ D Clay/ Main Sand	07/06/06	430.23	NA	31.59	NA	398.64	0.00	0.00	398.64
		10/05/06	430.23	NA	33.16	NA	397.07	0.00	0.00	397.07
HB-37	Main Sand	04/04/06	431.77	35.19	35.20	396.58	396.57	0.01	0.01	396.58
		07/06/06	431.77	34.53	34.80	397.24	396.97	0.27	0.02	397.18
		10/04/06	431.77	36.10	36.30	395.67	395.47	0.20	0.02	395.62
HB-38	Main Sand	04/04/06	429.92	NA	32.63	NA	397.29	0.00	0.00	397.29
		07/06/06	429.92	NA	32.03	NA	397.89	0.00	0.00	397.89
		10/04/06	429.92	NA	33.58	NA	396.34	0.00	0.00	396.34
HMW-01	Rand	07/06/06	429.94	NA	22.71	NA	407.23	0.00	0.00	407.23
		10/04/06	429.94	NA	22.75	NA	407.19	0.00	0.00	407.19
HMW-02	Main Sand	04/04/06	429.65	33.30	34.64	396.35	395.01	1.34	0.13	396.04
		07/06/06	429.65	32.53	34.44	397.12	395.21	1.91	0.32	396.68
		10/04/06	429.65	33.83	36.11	395.82	393.54	2.28	0.44	395.30
HMW-03	EPA	04/04/06	428.72	NA	30.24	NA	398.48	0.00	0.00	398.48
		07/06/06	428.72	NA	30.23	NA	398.49	0.00	0.00	398.49

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
HMW-03	EPA	10/05/06	428.72	NA	31.79	NA	396.93	0.00	0.00	396.93
HMW-04	Rand	04/04/06	428.96	NA	15.60	NA	413.36	0.00	0.00	413.36
		07/06/06	428.96	NA	19.94	NA	409.02	0.00	0.00	409.02
		10/05/06	428.96	21.91	22.17	407.05	406.79	0.26	0.02	406.99
HMW-07	Rand	01/10/06	429.12	NA	22.60	NA	406.52	0.00	0.00	406.52
		04/04/06	429.12	NA	24.95	NA	404.17	0.00	0.00	404.17
		07/06/06	429.12	NA	25.55	NA	403.57	0.00	0.00	403.57
		10/05/06	429.12	NA	25.41	NA	403.71	0.00	0.00	403.71
HMW-08	Main Sand	01/11/06	429.74	33.25	35.60	396.49	394.14	2.35	0.47	395.95
		04/04/06	429.74	33.25	34.45	396.49	395.29	1.20	0.10	396.21
		07/06/06	429.74	32.64	34.49	397.10	395.25	1.85	0.32	396.67
		10/05/06	429.74	33.89	36.52	395.85	393.22	2.63	0.53	395.25
HMW-09	N. Olive/ B Clay/ Rand	07/06/06	430.23	NA	DRY	--	--	0.00	0.00	--
		10/04/06	430.23	NA	23.20	NA	407.03	0.00	0.00	407.03
HMW-10	Main Sand	07/06/06	430.20	32.76	34.84	397.44	395.36	2.08	0.38	396.96
		10/04/06	430.20	33.90	36.65	396.30	393.55	2.75	0.60	395.67
HMW-13	N. Olive	07/06/06	430.81	NA	18.74	NA	412.07	0.00	0.00	412.07
		10/04/06	430.81	NA	18.79	NA	412.02	0.00	0.00	412.02
HMW-14	Rand/ C Clay/ Main Sand	01/10/06	430.86	34.13	36.12	396.73	394.74	1.99	0.35	396.27
		04/04/06	430.86	34.13	35.32	396.73	395.54	1.19	0.10	396.46
		07/06/06	430.86	33.45	35.30	397.41	395.56	1.85	0.28	396.98
		10/05/06	430.86	34.83	36.91	396.03	393.95	2.08	0.38	395.55
HMW-18	Main Sand	01/11/06	431.58	35.01	37.47	396.57	394.11	2.46	0.50	396.00
		04/04/06	431.58	34.91	36.22	396.67	395.36	1.31	0.13	396.37
		07/07/06	431.58	34.24	35.67	397.34	395.91	1.43	0.16	397.01
		10/05/06	431.58	35.45	38.17	396.13	393.41	2.72	0.57	395.50
HMW-19	Main Sand	01/11/06	431.80	35.03	36.99	396.77	394.81	1.96	0.35	396.32
		04/04/06	431.80	34.83	36.10	396.97	395.70	1.27	0.13	396.58
		07/07/06	431.80	34.33	35.78	397.47	396.02	1.45	0.19	397.14
		10/05/06	431.80	35.63	37.82	396.17	393.98	2.19	0.41	395.67

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
HMW-20	Rand/ C Clay/ Main Sand	01/11/06	430.65	33.55	35.53	397 10	395.12	1 98	0.35	396 64
		04/04/06	430.65	33 74	34.62	396.91	396 03	0 88	0 07	396.71
		07/06/06	430.65	33.17	34.59	397 48	396.06	1.42	0 16	397 15
		10/04/06	430.65	34.49	36 51	396.16	394 14	2 02	0 35	395.70
HMW-21	N. Olive/ B Clay/ Rand	07/06/06	430.05	NA	24 00	NA	406 05	0 00	0 00	406.05
		10/05/06	430.05	NA	24.53	NA	405.52	0.00	0.00	405.52
HMW-22	Main Sand	01/11/06	430.15	33 59	36 03	396.56	394 12	2.44	0.47	396.00
		04/04/06	430.15	33 58	35.00	396.57	395 15	1.42	0.16	396.24
		07/06/06	430.15	33 06	34 64	397.09	395.51	1 58	0 22	396 73
		10/05/06	430.15	34.26	37 04	395.89	393.11	2.78	0.60	395.25
HMW-25	Main Sand	01/10/06	427.45	NA	30 48	NA	396 97	0 00	0.00	396.97
		04/04/06	427 45	NA	29.77	NA	397.68	0 00	0.00	397.68
		07/07/06	427.45	NA	29 69	NA	397 76	0 00	0.00	397.76
		10/05/06	427.45	NA	28 65	NA	398.80	0 00	0 00	398.80
HMW-26	Main Sanc	01/10/06	425 20	NA	27 78	NA	397 42	0 00	0.00	397 42
		04/04 06	425 20	NA	27.59	NA	397.61	0.00	0.00	397.61
		07/07/06	425.20	NA	26.86	NA	398.34	0.00	0.00	398.34
		10/05/06	425.20	NA	31 21	NA	393.99	0.00	0.00	393.99
HMW-27 (T 7/13/04-4/19/05)	Main Sand	01/10/06	430.51	NA	32.82	NA	397.69	0.00	0 00	397.69
		04/04/06	430.51	NA	32.74	NA	397 77	0.00	0.00	397.77
		07/06/06	430.51	NA	31.85	NA	398.66	0 00	0 00	398.66
		10/04/06	430.51	NA	33 63	NA	396.88	0.00	0.00	396 88
HMW-28	Main Sand	01/11/06	430 97	NA	32.97	NA	398.00	0 00	0.00	398.00
		04/04/06	430.97	NA	32 70	NA	398.27	0.00	0.00	398 27
		07/07/06	430.97	NA	32.23	NA	398 74	0 00	0.00	398 74
		10/04/06	430.97	NA	33 82	NA	397 15	0.00	0.00	397 15
HMW-29	Main Sand	01/11/06	429.99	NA	31 48	NA	398.51	0.00	0.00	398 51
		04/04/06	429.13	NA	30 64	NA	398 49	0 00	0 00	398 49
		07/07/06	429.13	NA	29.84	NA	399.29	0.00	0 00	399.29
		10/04/06	429.13	NA	31 47	NA	397.66	0 00	0.00	397 66
HMW-30	Rand/ D Clay/ Main Sand	04/04/06	430.07	33.53	34 44	396 49	395.63	0.86	0.06	396.29
		07/06/06	430.07	33.22	33.93	396 85	396.14	0.71	0.05	396.69

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
HMW-30	Rand/ C Clay/ Main Sand	10/05/06	430.07	34 24	36 84	395 83	393 23	2.60	0.51	395.23
HMW-31	Rand/ C Clay/ Main Sand	04/04/06	430 09	33.60	34.58	396.49	395.51	0.98	0 07	396 26
		07/06/06	430.09	33.19	34.12	396.90	395.97	0.93	0.06	396 69
		10/05/06	430.09	34.30	36.76	395.79	393 33	2.46	0 48	395 22
HMW-32	Rand/ C Clay/ Main Sand	04/04/06	430.01	33.67	33.68	396 34	396.33	0.01	0.01	396.34
		07/06/06	430.01	NA	33.26	NA	396.75	0.00	0.00	396.75
		10/05/06	430.01	34.66	34.83	395.35	395.18	0.17	0.01	395 31
HMW-33	Rand/ C Clay/ Main Sand	04/04/06	430.13	33.51	34 94	396.62	395 19	1.43	0.14	396.29
		07/06/06	430.13	33.10	34 61	397 03	395.52	1.51	0 17	396.38
		10/05/06	430 13	34 31	36.91	395.82	393.22	2.60	0.51	395 22
HMW-34	Rand/ C Clay/ Main Sand	04/04/06	429.83	33.00	34 64	396.83	395.19	1.64	0 22	396.45
		07/06/06	429.83	32.39	34 83	397.44	395.00	2.44	0 47	396.38
		10/04/06	429.83	33.58	36.23	396 25	393.60	2 65	0.53	395.64
HMW-35	Rand/ C Clay/ Main Sand	04/04/06	429.81	34.61	34.98	395 20	394 83	0.37	0.03	395 11
		07/06/06	429 81	32.37	34.26	397.44	395.55	1 89	0.32	397 01
		10/04/06	429.81	33.55	35.17	396 26	394 64	1 62	0.22	395.89
HMW-36	Rand/ C Clay/ Main Sand	04/04/06	429 91	33.08	34 71	396.83	395.20	1.63	0.22	396.46
		07/06/06	429 91	32.40	34.61	397.51	395.30	2.21	0.41	397 00
		10/04/06	429.91	33.65	36.31	396 26	393.60	2.66	0.57	395.65
HMW-37	Rand/ C Clay/ Main Sand	07/06/06	429.61	32.05	33.94	397.56	395.67	1 89	0.32	397 13
		10/04/06	429.61	33.34	35.74	396.27	393.87	2 40	0.47	395.72
HMW-38 A	N. Olive	01/11/06	430.06	NA	DRY	NA	--	0 00	0.00	--
		04/04/06	430.06	NA	DRY	NA	--	0 00	0.00	--
		07/06/06	430.06	NA	DRY	NA	--	0 00	0.00	--
		10/05/06	430 06	NA	DRY	NA	--	0 00	0.00	--
HMW-38 B (T 1/10/05-1/11/05)	B/C Clay (PL in B/C Clay)	01/11/06	429.93	NA	25 12	NA	404.81	0 00	0 00	404 81
		04/04/06	429.93	NA	25.11	NA	404.82	0.00	0.00	404 82
		07/06/06	429.93	NA	24.11	NA	405 82	0.00	0.00	405 82
		10/05/06	429.93	NA	25.13	NA	404.80	0.00	0.00	404.80
HMW-38 C (T 11/19/04)	Main Sand	01/11/06	430.23	NA	35.11	NA	395 12	0.00	0.00	395.12
		04/04/06	430.23	NA	34.49	NA	395.74	0 00	0 00	395.74

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
HMW-38 C	Main Sand	07/06/06	430.23	NA	34.24	NA	395.99	0.00	0.00	395.99
(T 11/19/04)		10/05/06	430.23	NA	36.22	NA	394.01	0.00	0.00	394.01
HMW-39 A	Main Silt (Rand Horizon)	01/11/06	426.46	NA	20.38	NA	406.08	0.00	0.00	406.08
		04/04/06	426.46	NA	20.29	NA	406.17	0.00	0.00	406.17
		07/07/06	426.46	NA	20.36	NA	406.10	0.00	0.00	406.10
		10/05/06	426.46	NA	20.35	NA	406.11	0.00	0.00	406.11
HMW-39 B	Main Silt (Rand Horizon)	01/11/06	426.55	NA	23.48	NA	403.07	0.00	0.00	403.07
(T 1/12/05)		04/04/06	426.55	NA	21.80	NA	404.75	0.00	0.00	404.75
		07/07/06	426.55	NA	24.42	NA	402.13	0.00	0.00	402.13
		10/05/06	426.55	NA	21.54	NA	405.01	0.00	0.00	405.01
HMW-39 C	Main Sand	01/11/06	426.28	NA	30.86	NA	395.42	0.00	0.00	395.42
(T 11/05-4/20/05)		04/04/06	426.28	NA	30.18	NA	396.10	0.00	0.00	396.10
		07/07/06	426.28	NA	30.06	NA	396.22	0.00	0.00	396.22
		10/05/06	426.28	NA	31.32	NA	394.96	0.00	0.00	394.96
HMW-40 A	A Clay	01/11/06	425.01	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	425.01	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	425.01	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	425.01	NA	DRY	NA	--	0.00	0.00	--
HMW-40 B	Main Sand	01/11/06	424.86	NA	24.38	NA	400.48	0.00	0.00	400.48
		04/04/06	424.86	NA	24.39	NA	400.47	0.00	0.00	400.47
		07/07/06	424.86	NA	24.35	NA	400.51	0.00	0.00	400.51
		10/05/06	424.86	NA	24.42	NA	400.44	0.00	0.00	400.44
HMW-40 C	Main Sand	01/11/06	425.01	NA	29.32	NA	395.69	0.00	0.00	395.69
(T 4/21/05)		04/04/06	425.01	NA	28.69	NA	396.32	0.00	0.00	396.32
		07/07/06	425.01	NA	28.36	NA	396.65	0.00	0.00	396.65
		10/05/06	425.01	NA	29.86	NA	395.15	0.00	0.00	395.15
HMW-41 A	Main Silt (Rand Horizon)	01/10/06	425.42	NA	17.89	NA	407.53	0.00	0.00	407.53
		04/04/06	425.42	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	425.42	NA	17.87	NA	407.55	0.00	0.00	407.55
		10/05/06	425.42	NA	17.90	NA	407.52	0.00	0.00	407.52
HMW-41 B	Main Silt (Rand Horizon)	01/10/06	425.62	NA	28.61	NA	397.01	0.00	0.00	397.01
		04/04/06	425.62	NA	28.40	NA	397.22	0.00	0.00	397.22
		07/07/06	425.62	NA	27.79	NA	397.83	0.00	0.00	397.83

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The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR 000128249
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HMW-41 B	Main Silt (Rand Horizon)	10/05/06	425.62	NA	29.39	NA	396.23	0.00	0.00	396.23
HMW-41 C	Main Sand	01/10/06	425.85	NA	29.07	NA	396.78	0.00	0.00	396.78
		04/04/06	425.85	NA	28.76	NA	397.09	0.00	0.00	397.09
		07/07/06	425.85	NA	28.20	NA	397.65	0.00	0.00	397.65
		10/05/06	425.85	NA	28.79	NA	397.06	0.00	0.00	397.06
HMW-42 A	Main Silt (Rand Horizon)	01/10/06	431.39	NA	26.01	NA	405.38	0.00	0.00	405.38
		04/04/06	431.39	NA	26.01	NA	405.38	0.00	0.00	405.38
		07/06/06	431.39	NA	26.01	NA	405.38	0.00	0.00	405.38
		10/04/06	431.39	NA	26.05	NA	405.34	0.00	0.00	405.34
HMW-42 B	Main Sand	01/10/06	431.46	NA	33.98	NA	397.48	0.00	0.00	397.48
		04/04/06	431.46	NA	32.86	NA	398.60	0.00	0.00	398.60
		07/06/06	431.46	NA	33.06	NA	398.40	0.00	0.00	398.40
		10/04/06	431.46	NA	34.80	NA	396.66	0.00	0.00	396.66
HMW-43 A	N. Olive	01/10/06	428.73	NA	17.40	NA	411.33	0.00	0.00	411.33
		04/04/06	428.73	NA	17.30	NA	411.43	0.00	0.00	411.43
		07/06/06	428.73	NA	17.38	NA	411.35	0.00	0.00	411.35
		10/04/06	428.73	NA	17.41	NA	411.32	0.00	0.00	411.32
HMW-43 B (T 1/11/05-7/11/05)	B/C Clay (PL in B/C Clay)	01/10/06	428.63	NA	22.05	NA	406.58	0.00	0.00	406.58
		04/04/06	428.63	NA	22.06	NA	406.57	0.00	0.00	406.57
		07/06/06	428.63	NA	22.06	NA	406.57	0.00	0.00	406.57
		10/04/06	428.63	NA	22.08	NA	406.55	0.00	0.00	406.55
HMW-43 C (T 1/11/05)	Main Sand	01/10/06	428.96	NA	32.09	NA	396.87	0.00	0.00	396.87
		04/04/06	428.96	NA	32.03	NA	396.93	0.00	0.00	396.93
		07/06/06	428.96	NA	31.49	NA	397.47	0.00	0.00	397.47
		10/04/06	428.96	NA	32.89	NA	396.07	0.00	0.00	396.07
HMW-44 A	N. Olive	01/10/06	429.47	NA	16.10	NA	413.37	0.00	0.00	413.37
		04/04/06	429.47	NA	16.09	NA	413.38	0.00	0.00	413.38
		07/06/06	429.47	NA	16.10	NA	413.37	0.00	0.00	413.37
		10/04/06	429.47	NA	16.08	NA	413.39	0.00	0.00	413.39
HMW-44 B	Rand	01/10/06	429.41	NA	23.43	NA	405.98	0.00	0.00	405.98
		04/04/06	429.41	NA	23.43	NA	405.98	0.00	0.00	405.98
		07/06/06	429.41	NA	23.43	NA	405.98	0.00	0.00	405.98

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The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR 000128249
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HMW-44 B	Rand	10/04/06	429.41	NA	23.45	NA	405.96	0.00	0.00	405.96
HMW-44 C	Main Sand	01/12/06	429.38	32.22	34.27	397.16	395.11	2.05	0.34	396.69
		04/04/06	429.38	32.43	34.37	396.95	395.01	1.94	0.28	396.50
		07/06/06	429.38	H2A Unit Present						
		10/04/06	428.38	32.30	34.39	396.08	393.99	2.09	0.34	395.60
HMW-44 D (T 11/11/05)	Main Sand (below LNAPL)	01/10/06	429.76	NA	33.25	NA	396.51	0.00	0.00	396.51
		04/04/06	429.76	NA	33.25	NA	396.51	0.00	0.00	396.51
		07/06/06	429.76	NA	32.75	NA	397.01	0.00	0.00	397.01
		10/04/06	429.76	NA	34.19	NA	395.57	0.00	0.00	395.57
HMW-45 A	N. Olive	01/11/06	431.17	NA	17.51	NA	413.66	0.00	0.00	413.66
		04/04/06	431.17	NA	17.49	NA	413.68	0.00	0.00	413.68
		07/06/06	431.17	NA	17.49	NA	413.68	0.00	0.00	413.68
		10/05/06	431.17	NA	DRY	NA	--	0.00	0.00	--
HMW-45 B	Rand	01/11/06	431.22	NA	27.61	NA	403.61	0.00	0.00	403.61
		04/04/06	431.22	NA	27.74	NA	403.48	0.00	0.00	403.48
		07/06/06	431.22	NA	27.79	NA	403.43	0.00	0.00	403.43
		10/05/06	431.22	NA	27.85	NA	403.37	0.00	0.00	403.37
HMW-45 C	Main Sand	01/11/06	430.87	35.23	35.82	395.64	395.05	0.59	0.04	395.50
		04/04/06	430.87	34.75	35.17	396.12	395.70	0.42	0.03	396.02
		07/06/06	430.87	34.35	35.25	396.52	395.62	0.90	0.06	396.31
		10/05/06	430.87	35.54	37.55	395.33	393.32	2.01	0.33	394.87
HMW-46 A	N. Olive	07/06/06	430.51	NA	17.51	NA	413.00	0.00	0.00	413.00
		10/05/06	430.51	NA	17.55	NA	412.96	0.00	0.00	412.96
HMW-46 B	B/C Clay (PL in B/C Clay)	07/06/06	430.61	NA	24.13	NA	406.48	0.00	0.00	406.48
		10/05/06	430.61	NA	24.45	NA	406.16	0.00	0.00	406.16
HMW-46 C	Main Sand	01/11/06	430.49	35.02	35.22	395.47	395.27	0.20	0.01	395.42
		04/04/06	430.49	34.66	34.75	395.83	395.74	0.09	0.01	395.81
		07/06/06	430.49	34.18	34.87	396.31	395.62	0.69	0.05	396.15
		10/05/06	430.49	35.33	37.04	395.16	393.45	1.71	0.23	394.77
HMW-47 A	N. Olive	01/11/06	430.50	NA	19.33	NA	411.17	0.00	0.00	411.17
		04/04/06	430.50	NA	19.33	NA	411.17	0.00	0.00	411.17
		07/06/06	430.50	NA	19.36	NA	411.14	0.00	0.00	411.14

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
HMW-47 A	N. Olive	10/05/06	430.50	NA	19.33	NA	411.17	0.00	0.00	411.17
HMW-47 B	B/C Clay (PL in B/C Clay)	01/11/06	430.13	NA	20.78	NA	409.35	0.00	0.00	409.35
		04/04/06	430.13	NA	19.73	NA	410.40	0.00	0.00	410.40
		07/06/06	430.13	NA	20.29	NA	409.84	0.00	0.00	409.84
		10/05/06	430.13	NA	20.44	NA	409.69	0.00	0.00	409.69
HMW-47 C	Main Sand	01/11/06	430.61	35.08	35.11	395.53	395.50	0.03	0.01	395.52
		04/04/06	430.61	NA	34.58	NA	396.03	0.00	0.00	396.03
		07/06/06	430.61	34.29	34.30	396.32	396.31	0.01	0.01	396.32
		10/05/06	430.61	35.55	36.10	395.06	394.51	0.55	0.04	394.93
HMW-48 A	N. Olive	01/11/06	429.16	NA	13.84	NA	415.32	0.00	0.00	415.32
		04/04/06	429.16	NA	13.81	NA	415.35	0.00	0.00	415.35
		07/06/06	429.16	NA	13.83	NA	415.33	0.00	0.00	415.33
		10/05/06	429.16	NA	13.85	NA	415.31	0.00	0.00	415.31
HMW-48 B	Sand	01/11/06	429.18	NA	18.23	NA	410.95	0.00	0.00	410.95
		04/04/06	429.18	15.91	15.92	413.27	413.26	0.01	0.01	413.27
		07/06/06	429.18	19.82	19.86	409.36	409.32	0.04	0.01	409.35
		10/05/06	429.18	21.71	22.03	407.47	407.15	0.32	0.02	407.40
HMW-48 C	EPA	01/11/06	429.02	30.32	34.73	398.70	394.29	4.41	1.05	397.69
		04/04/06	429.02	30.08	32.48	398.94	396.54	2.40	0.45	398.39
		07/06/06	429.02	29.95	33.98	399.07	395.04	4.03	0.93	398.14
		10/05/06	429.02	32.11	33.95	396.91	395.07	1.84	0.26	396.49
HMW-48 D	Main Sand (below D Clay)	01/11/06	428.98	NA	33.04	NA	395.94	0.00	0.00	395.94
		04/04/06	428.98	NA	32.76	NA	396.22	0.00	0.00	396.22
		07/06/06	428.98	NA	32.40	NA	396.58	0.00	0.00	396.58
		10/05/06	428.98	NA	34.41	NA	394.57	0.00	0.00	394.57
HMW-49 A	N. Olive	01/11/06	430.21	NA	12.51	NA	417.70	0.00	0.00	417.70
		04/04/06	430.21	NA	12.80	NA	417.41	0.00	0.00	417.41
		07/06/06	430.21	NA	12.85	NA	417.36	0.00	0.00	417.36
		10/05/06	430.21	NA	12.86	NA	417.35	0.00	0.00	417.35
HMW-49 B	B/C Clay (PL in B/C Clay)	01/11/06	430.23	NA	23.78	NA	406.45	0.00	0.00	406.45
		04/04/06	430.23	NA	23.24	NA	406.99	0.00	0.00	406.99
		07/06/06	430.23	NA	23.91	NA	406.32	0.00	0.00	406.32

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
HMW-49 B	B C Clay (PL in B/C Clay)	10/05/06	430.23	NA	24.12	NA	406 11	0 00	0.00	406 11
HMW-49 C (T 1/19/05)	EPA	01/11/06	430 18	NA	33 08	NA	397.10	0 00	0 00	397.10
		04/04/06	430.18	NA	32.73	NA	397.45	0.00	0.00	397.45
		07/06/06	430.18	NA	32.42	NA	397 76	0.00	0.00	397.76
		10/05/06	430.18	NA	33 69	NA	396 49	0 00	0 00	396 49
HMW-49 D (T 1/19/05)	Main Sand (below D Clay)	01/11/06	430.25	NA	35.11	NA	395.14	0.00	0.00	395 14
		04/04/06	430.25	NA	34.41	NA	395 84	0.00	0 00	395 84
		07/06/06	430.25	NA	34 28	NA	395 97	0.00	0 00	395 97
		10/05/06	430.25	NA	35 61	NA	394 64	0 00	0 00	394 64
HMW-50 A (T 1/11/05)	Rand	01/10/06	434 43	NA	20.24	NA	414.19	0.00	0.00	414 19
		04/04/06	434.43	NA	17 38	NA	417 05	0.00	0 00	417 05
		07/06/06	434.43	NA	21 93	NA	412.50	0.00	0.00	412.50
		10/04/06	434.43	NA	24 24	NA	410 19	0.00	0.00	410 19
HMW-50 B (T 1/7/05)	EPA	01/10/06	434 43	NA	34.67	NA	399.76	0 00	0 00	399 76
		04/04/06	434.43	NA	34.20	NA	400.23	0 00	0 00	400.23
		07/06/06	434.43	NA	34 74	NA	399.69	0.00	0.00	399 69
		10/04/06	434.43	NA	36.34	NA	398.09	0.00	0.00	398.09
HMW-50 C (T 1/7/05)	Main Sand (below D Clay)	01/10/06	434.28	NA	37.91	NA	396 37	0 00	0 00	396 37
		04/04/06	434 28	NA	38.04	NA	396.24	0.00	0.00	396.24
		07/06/06	434 28	NA	37 57	NA	396 71	0 00	0.00	396 71
		10/04/06	434.28	NA	38 84	NA	395 44	0 00	0.00	395.44
HMW-51 A	N. Clive	07/07/06	425.46	NA	DRY	--	--	0 00	0.00	--
		10/05/06	425.46	NA	DRY	NA	--	0 00	0.00	--
HMW-51 B	Main Sand	01/11/06	425.51	NA	24.77	NA	400.74	0.00	0 00	400 74
		04/04/06	425.51	NA	24.76	NA	400 75	0.00	0 00	400.75
		07/07/06	425 51	NA	24.76	NA	400.75	0 00	0 00	400.75
		10/05/06	425.51	NA	24.79	NA	400 72	0.00	0.00	400 72
HMW-51 C	Main Sand	01/11/06	425.42	NA	29.38	NA	396 04	0 00	0.00	396 04
		04/04/06	425.42	NA	28 78	NA	396 64	0 00	0.00	396 64
		07/07/06	425.42	NA	28 40	NA	397 02	0 00	0 00	397 02
		10/05/06	425.42	NA	29.96	NA	395 46	0.00	0 00	395 46

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
HMW-52 A	Main Silt (N. Olive Horizon)	01/10/06	427.80	NA	20.22	NA	407.58	0.00	0.00	407.58
		04/04/06	427.80	NA	20.22	NA	407.58	0.00	0.00	407.58
		07/06/06	427.80	NA	20.23	NA	407.57	0.00	0.00	407.57
		10/04/06	427.80	NA	20.24	NA	407.56	0.00	0.00	407.56
HMW-52 B	Main Silt (Rand Horizon)	01/10/06	427.81	NA	26.67	NA	401.14	0.00	0.00	401.14
		04/04/06	427.81	NA	26.65	NA	401.16	0.00	0.00	401.16
		07/06/06	427.81	NA	26.64	NA	401.17	0.00	0.00	401.17
		10/04/06	427.81	NA	26.69	NA	401.12	0.00	0.00	401.12
HMW-52 C	Main Sand	01/10/06	427.83	NA	30.69	NA	397.14	0.00	0.00	397.14
		04/04/06	427.83	NA	30.73	NA	397.10	0.00	0.00	397.10
		07/06/06	427.83	NA	30.18	NA	397.65	0.00	0.00	397.65
		10/04/06	427.83	NA	31.66	NA	396.17	0.00	0.00	396.17
HMW-53 A	N. Olive	01/10/06	429.73	NA	15.52	NA	414.21	0.00	0.00	414.21
		04/04/06	429.73	NA	16.56	NA	413.17	0.00	0.00	413.17
		07/06/06	429.73	NA	15.52	NA	414.21	0.00	0.00	414.21
		10/04/06	429.73	NA	15.55	NA	414.18	0.00	0.00	414.18
HMW-53 B	Main Silt (Rand Horizon)/ Main Sand	01/10/06	429.76	32.53	34.27	397.23	395.49	1.74	0.25	396.83
		04/04/06	429.76	32.59	34.00	397.17	395.76	1.41	0.16	396.85
		07/06/06	429.76	32.17	33.18	397.59	396.58	1.01	0.08	397.36
		10/04/06	429.76	33.39	35.32	396.37	394.44	1.93	0.32	395.93
HMW-53C	Main Sand (below LNAPL)	04/04/06	429.66	NA	32.86	NA	396.80	0.00	0.00	396.80
		07/06/06	429.66	NA	32.33	NA	397.33	0.00	0.00	397.33
		10/04/06	429.66	NA	33.77	NA	395.89	0.00	0.00	395.89
HMW-54 A	N. Olive	01/10/06	429.54	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.54	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.54	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.54	NA	DRY	NA	--	0.00	0.00	--
HMW-54 B	Main Sand	01/10/06	429.55	32.86	33.10	396.69	396.45	0.24	0.01	396.63
		04/04/06	429.55	32.91	32.95	396.64	396.60	0.04	0.01	396.63
		07/03/06	429.55	32.02	33.47	397.53	396.08	1.45	0.13	397.20
		10/04/06	429.55	33.44	35.06	396.11	394.49	1.62	0.19	395.74
HMW-54 C	Main Sand (below LNAPL)	01/10/06	429.56	NA	32.96	NA	396.60	0.00	0.00	396.60
		04/04/06	429.56	NA	32.93	NA	396.63	0.00	0.00	396.63

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
HMW-54 C	Main Sand (below LNAPL)	07/06/06	429.56	NA	32.39	NA	397.17	0.00	0.00	397.17
		10/04/06	429.56	NA	33.85	NA	395.71	0.00	0.00	395.71
HP-01A (T 10/7/05)	Main Sand	01/11/06	425.84	NA	27.60	NA	398.24	0.00	0.00	398.24
		04/04/06	425.84	NA	26.18	NA	399.66	0.00	0.00	399.66
		07/07/06	425.84	NA	27.25	NA	398.59	0.00	0.00	398.59
		10/04/06	425.84	NA	28.31	NA	397.53	0.00	0.00	397.53
HP-01B	Main Sand (Deep Nest Well)	01/11/06	425.77	NA	27.50	NA	398.27	0.00	0.00	398.27
		04/04/06	425.77	NA	26.05	NA	399.72	0.00	0.00	399.72
		07/07/06	425.77	NA	27.14	NA	398.63	0.00	0.00	398.63
		10/04/06	425.77	NA	28.19	NA	397.58	0.00	0.00	397.58
HP-01C	Main Sand (Deep Nest Well)	01/11/06	425.84	NA	27.56	NA	398.28	0.00	0.00	398.28
		04/04/06	425.84	NA	26.08	NA	399.76	0.00	0.00	399.76
		07/07/06	425.84	NA	27.22	NA	398.62	0.00	0.00	398.62
		10/04/06	425.84	NA	28.22	NA	397.62	0.00	0.00	397.62
HP-02	Main Sand	01/11/06	429.92	NA	31.36	NA	398.56	0.00	0.00	398.56
		04/04/06	429.92	NA	30.52	NA	399.40	0.00	0.00	399.40
		07/07/06	429.92	NA	31.16	NA	398.76	0.00	0.00	398.76
		10/04/06	429.92	NA	32.44	NA	397.48	0.00	0.00	397.48
HP-03A (T 10/7/05)	Main Sand	01/11/06	429.28	NA	31.10	NA	398.18	0.00	0.00	398.18
		04/04/06	429.28	NA	30.16	NA	399.12	0.00	0.00	399.12
		07/07/06	429.28	NA	30.48	NA	398.80	0.00	0.00	398.80
		10/04/06	429.28	NA	31.87	NA	397.41	0.00	0.00	397.41
HP-03B	Main Sand (Deep Nest Well)	01/11/06	429.24	NA	31.02	NA	398.22	0.00	0.00	398.22
		04/04/06	429.24	NA	30.07	NA	399.17	0.00	0.00	399.17
		07/07/06	429.24	NA	30.46	NA	398.78	0.00	0.00	398.78
		10/04/06	429.24	NA	31.82	NA	397.42	0.00	0.00	397.42
HP-03C	Main Sand (Deep Nest Well)	01/11/06	429.10	NA	30.89	NA	398.21	0.00	0.00	398.21
		04/04/06	429.10	NA	29.90	NA	399.20	0.00	0.00	399.20
		07/07/06	429.10	NA	30.32	NA	398.78	0.00	0.00	398.78
		10/04/06	429.10	NA	31.67	NA	397.43	0.00	0.00	397.43
HP-04A	Main Sand	01/11/06	430.94	NA	33.00	NA	397.94	0.00	0.00	397.94
		04/04/06	430.94	NA	32.49	NA	398.45	0.00	0.00	398.45
		07/07/06	430.94	NA	32.31	NA	398.63	0.00	0.00	398.63

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
HP-04A	Main Sand	10/04/06	430.94	NA	33.81	NA	397.13	0.00	0.00	397.13
HP-04B	Main Sand (Deep Nest Well)	01/11/06	430.94	NA	32.96	NA	397.98	0.00	0.00	397.98
		04/04/06	430.94	NA	32.43	NA	398.51	0.00	0.00	398.51
		07/07/06	430.94	NA	32.30	NA	398.64	0.00	0.00	398.64
		10/04/06	430.94	NA	33.77	NA	397.17	0.00	0.00	397.17
HP-04C	Main Sand (Deep Nest Well)	01/11/06	430.96	NA	32.94	NA	398.02	0.00	0.00	398.02
		04/04/06	430.96	NA	32.42	NA	398.54	0.00	0.00	398.54
		07/07/06	430.96	NA	32.30	NA	398.66	0.00	0.00	398.66
		10/04/06	430.96	NA	33.75	NA	397.21	0.00	0.00	397.21
HP-05A	Main Sand	01/11/06	424.42	NA	26.23	NA	398.19	0.00	0.00	398.19
		04/04/06	424.42	NA	24.40	NA	400.02	0.00	0.00	400.02
		07/07/06	424.42	NA	26.05	NA	398.37	0.00	0.00	398.37
		10/04/06	424.42	NA	26.71	NA	397.71	0.00	0.00	397.71
HP-05B	Main Sand (Deep Nest Well)	01/11/06	424.58	NA	26.78	NA	397.80	0.00	0.00	397.80
		04/04/06	424.58	NA	24.52	NA	400.06	0.00	0.00	400.06
		07/07/06	424.58	NA	26.48	NA	398.10	0.00	0.00	398.10
		10/04/06	424.58	NA	26.81	NA	397.77	0.00	0.00	397.77
HP-05C	Main Sand (Deep Nest Well)	01/11/06	424.43	NA	26.62	NA	397.81	0.00	0.00	397.81
		04/04/06	424.43	NA	24.35	NA	400.08	0.00	0.00	400.08
		07/07/06	424.43	NA	26.34	NA	398.09	0.00	0.00	398.09
		10/04/06	424.43	NA	26.62	NA	397.81	0.00	0.00	397.81
HP-06	Main Sand	01/11/06	425.88	NA	27.53	NA	398.35	0.00	0.00	398.35
		04/04/06	425.88	NA	25.88	NA	400.00	0.00	0.00	400.00
		07/07/06	425.88	NA	27.23	NA	398.65	0.00	0.00	398.65
		10/04/06	425.88	NA	28.05	NA	397.83	0.00	0.00	397.83
HP-07	Main Sand	01/11/06	429.04	NA	30.19	NA	398.85	0.00	0.00	398.85
		04/04/06	429.04	NA	29.11	NA	399.93	0.00	0.00	399.93
		07/07/06	429.04	NA	29.75	NA	399.29	0.00	0.00	399.29
		10/04/06	429.04	NA	31.05	NA	397.99	0.00	0.00	397.99
HP-08	Main Sand	01/11/06	429.81	NA	31.03	NA	398.78	0.00	0.00	398.78
		04/04/06	429.81	NA	30.37	NA	399.44	0.00	0.00	399.44
		07/07/06	429.81	NA	30.13	NA	399.68	0.00	0.00	399.68

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
HP-08	Main Sand	10/04/06	429.81	NA	31.76	NA	398.05	0.00	0.00	398.05
HP-09	Main Sand	01/11/06	431.45	NA	32.71	NA	398.74	0.00	0.00	398.74
		04/04/06	431.45	NA	31.99	NA	399.46	0.00	0.00	399.46
		07/07/06	431.45	NA	32.19	NA	399.26	0.00	0.00	399.26
		10/04/06	431.45	NA	33.60	NA	397.85	0.00	0.00	397.85
MP-5S	A Clay	07/06/06	429.83	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	429.83	NA	DRY	NA	--	0.00	0.00	--
MP-5D	Rand	04/04/06	430.09	--	--	--	--	--	--	--
		07/06/06	430.02	NA	23.58	NA	406.44	0.00	0.00	406.44
		10/05/06	430.02	NA	24.31	NA	405.71	0.00	0.00	405.71
MP-6S	A Clay	07/06/06	430.15	--	--	--	--	--	--	--
		10/05/06	430.15	--	--	--	--	--	--	--
MP-6D	Rand	07/06/06	430.13	--	--	--	--	--	--	--
		10/05/06	430.13	--	--	--	--	--	--	--
MP-7S	A Clay	07/06/06	430.17	--	--	--	--	--	--	--
		10/05/06	430.17	--	--	--	--	--	--	--
MP-7D	Rand	07/06/06	430.16	--	--	--	--	--	--	--
		10/05/06	430.16	--	--	--	--	--	--	--
MP-8S	A Clay	07/06/06	430.20	NA	7.17	NA	423.03	0.00	0.00	423.03
		10/05/06	430.20	NA	8.19	NA	422.01	0.00	0.00	422.01
MP-8D	Rand	07/06/06	430.14	NA	24.38	NA	405.76	0.00	0.00	405.76
		10/05/06	430.14	NA	25.11	NA	405.03	0.00	0.00	405.03
MP-9S	A Clay	07/06/06	430.05	NA	8.59	NA	421.46	0.00	0.00	421.46
		10/05/06	430.05	NA	8.55	NA	421.50	0.00	0.00	421.50
MP-9D	Rand	07/06/06	430.00	23.45	24.01	406.55	405.99	0.56	0.04	406.42
		10/05/06	430.00	24.02	24.58	405.98	405.42	0.56	0.04	405.85
MP-10S	A Clay (PL in A Clay)	07/07/06	430.53	NA	DRY	--	--	0.00	0.00	--
		10/05/06	430.53	NA	DRY	NA	--	0.00	0.00	--

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-10D	B/C Clay/ Main Silt	07/07/06	430.37	NA	20.56	NA	409.81	0.00	0.00	409.81
	(Rand Horizon)	10/05/06	430.37	NA	22.44	NA	407.93	0.00	0.00	407.93
MP-11S	A Clay	07/07/06	431.19	NA	DRY	--	--	0.00	0.00	--
	(PL in A Clay)	10/05/06	431.19	NA	DRY	NA	--	0.00	0.00	--
MP-11D	B/C Clay/ Main Silt	07/07/06	431.19	NA	21.16	NA	410.03	0.00	0.00	410.03
	(Rand Horizon)	10/05/06	431.19	NA	23.19	NA	408.00	0.00	0.00	408.00
MP-12S	A Clay	07/07/06	431.70	NA	DRY	--	--	0.00	0.00	--
	(PL in A Clay)	10/05/06	431.70	NA	DRY	NA	--	0.00	0.00	--
MP-12D	B Clay/ Rand/	07/07/06	431.63	NA	DRY	--	--	0.00	0.00	--
	C Clay	10/05/06	431.63	NA	DRY	NA	--	0.00	0.00	--
MP-13S	A Clay	07/06/06	429.20	NA	7.84	NA	421.36	0.00	0.00	421.36
		10/04/06	429.20	NA	8.09	NA	421.11	0.00	0.00	421.11
MP-13D	Main Silt	07/06/06	429.30	NA	DRY	--	--	0.00	0.00	--
	(Rand Horizon)	10/04/06	429.30	NA	DRY	NA	--	0.00	0.00	--
MP-14S	A Clay	07/06/06	429.51	NA	8.73	NA	420.78	0.00	0.00	420.78
		10/04/06	429.51	NA	DRY	NA	--	0.00	0.00	--
MP-14D	Main Silt	07/06/06	429.51	NA	26.81	NA	402.70	0.00	0.00	402.70
	(Rand Horizon)	10/04/06	429.51	NA	26.82	NA	402.69	0.00	0.00	402.69
MP-15S	A Clay	07/06/06	429.63	NA	DRY	--	--	0.00	0.00	--
		10/04/06	429.63	NA	DRY	NA	--	0.00	0.00	--
MP-15D	Main Silt	07/06/06	429.58	NA	26.80	NA	402.78	0.00	0.00	402.78
	(Rand Horizon)	10/04/06	429.58	NA	26.82	NA	402.76	0.00	0.00	402.76
MP-16S	A Clay	07/06/06	429.75	NA	9.67	NA	420.08	0.00	0.00	420.08
		10/04/06	429.75	NA	DRY	NA	--	0.00	0.00	--
MP-16D	Main Silt	07/06/06	429.77	NA	27.54	NA	402.23	0.00	0.00	402.23
	(Rand Horizon)	10/04/06	429.77	NA	27.58	NA	402.19	0.00	0.00	402.19

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MP-25	N. Olive/ B Clay/ Rand	07/06/06	429.71	NA	27.69	NA	402.02	0.00	0.00	402.02
		10/04/06	429.71	NA	27.92	NA	401.79	0.00	0.00	401.79
MP-26	N. Olive/ B Clay/ Rand	07/06/06	429.54	NA	26.41	NA	403.13	0.00	0.00	403.13
		10/04/06	429.54	NA	27.61	NA	401.93	0.00	0.00	401.93
MP-27	N. Olive/ B Clay/ Rand	04/04/06	429.55	27.89	27.90	401.66	401.65	0.01	0.01	401.66
		07/06/06	429.55	28.24	28.45	401.31	401.10	0.21	0.02	401.26
		10/04/06	429.55	NA	28.72	NA	400.83	0.00	0.00	400.83
MP-28	Rand	07/06/06	429.80	NA	23.22	--	--	--	--	--
		10/04/06	429.80	NA	24.31	NA	405.49	0.00	0.00	405.49
MP-29 A	N. Olive	07/06/06	429.39	NA	DRY	--	--	0.00	0.00	--
		10/05/06	429.39	NA	DRY	NA	--	0.00	0.00	--
MP-29 B	Rand	01/11/06	429.43	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.43	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.43	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	429.43	NA	DRY	NA	--	0.00	0.00	--
MP-29 C	Rand	01/11/06	429.39	24.32	24.91	405.07	404.48	0.59	0.04	404.93
		04/04/06	429.49	24.16	24.31	405.33	405.18	0.15	0.01	405.30
		07/06/06	429.49	24.89	25.49	404.60	404.00	0.60	0.04	404.46
		10/05/06	429.49	25.61	26.24	403.88	403.25	0.63	0.04	403.74
MP-29 D	Main Sand	01/11/06	429.47	33.05	35.46	396.42	394.01	2.41	0.45	395.87
		04/04/06	429.47	33.00	34.36	396.47	395.11	1.36	0.14	396.16
		07/06/06	429.47	32.14	34.40	397.33	395.07	2.26	0.42	396.81
		10/05/06	429.47	33.70	36.32	395.77	393.15	2.62	0.51	395.17
MP-30 A	N. Olive	07/06/06	431.20	NA	18.45	NA	412.75	0.00	0.00	412.75
		10/05/06	431.20	NA	18.55	NA	412.65	0.00	0.00	412.65
MP-30 B	Rand	07/06/06	431.21	NA	28.87	NA	402.34	0.00	0.00	402.34
		10/05/06	431.21	NA	29.24	NA	401.97	0.00	0.00	401.97
MP-30 C	Main Sand	07/06/06	431.13	NA	34.51	NA	396.62	0.00	0.00	396.62
		10/05/06	431.13	35.45	37.22	395.68	393.91	1.77	0.28	395.27

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-31 A	A Clay	01/10/06	426.71	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	426.71	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	426.71	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	426.71	NA	DRY	NA	--	0.00	0.00	--
MP-31 B	N. Olive	04/05/06	426.79	NA	16.12	NA	410.67	0.00	0.00	410.67
		07/07/06	426.79	NA	15.99	NA	410.80	0.00	0.00	410.80
		10/04/06	426.79	NA	16.27	NA	410.52	0.00	0.00	410.52
MP-31 C	Main Sand	04/05/06	426.98	NA	30.64	NA	396.34	0.00	0.00	396.34
		07/07/06	426.98	--	--	--	--	--	--	--
		10/04/06	426.98	NA	31.71	NA	395.27	0.00	0.00	395.27
MP-32 A	N. Olive	04/04/06	429.68	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	429.68	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	429.68	--	--	--	--	--	--	--
MP-32 B	Main Sand	07/07/06	429.68	30.94	DRY	NA	--	0.11	0.01	--
		10/05/06	429.68	--	--	--	--	--	--	--
MP-32 C	Main Sand	04/05/06	429.72	NA	33.31	NA	396.41	0.00	0.00	396.41
		07/07/06	429.72	NA	33.12	NA	396.60	0.00	0.00	396.60
		10/05/06	429.72	--	--	--	--	--	--	--
MP-33 A	A Clay	01/11/06	430.05	NA	9.59	NA	420.46	0.00	0.00	420.46
		04/04/06	430.05	NA	9.58	NA	420.47	0.00	0.00	420.47
		07/07/06	430.05	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.05	NA	9.57	NA	420.48	0.00	0.00	420.48
MP-33 B	N. Olive	01/11/06	430.09	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.09	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	430.09	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.09	NA	DRY	NA	--	0.00	0.00	--
MP-33 C	Rand	01/11/06	430.09	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.09	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	430.09	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.09	NA	DRY	NA	--	0.00	0.00	--
MP-33 D	Main Sand	01/11/06	430.09	34.18	34.46	395.91	395.63	0.28	0.02	395.85
		04/04/06	430.09	33.72	33.97	396.37	396.12	0.25	0.02	396.31

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-33D	Main Sand	07/07/06	430.09	33.32	33.90	396.77	396.19	0.58	0.05	396.64
		10/04/06	430.09	34.45	35.59	395.64	394.50	1.14	0.07	395.38
MP-34 A	N. Olive	07/07/06	430.73	NA	15.61	NA	415.12	0.00	0.00	415.12
		10/04/06	430.73	NA	15.62	NA	415.11	0.00	0.00	415.11
MP-34 B	Rand	07/07/06	430.74	NA	24.48	NA	406.26	0.00	0.00	406.26
		10/04/06	430.74	NA	24.48	NA	406.26	0.00	0.00	406.26
MP-34 C	Main Sand	01/11/06	430.62	34.16	35.34	396.46	395.28	1.18	0.10	396.19
		04/04/06	430.62	34.13	34.64	396.49	395.98	0.51	0.04	396.37
		07/07/06	430.62	33.68	34.64	396.94	395.98	0.96	0.08	396.72
		10/04/06	430.62	34.80	36.39	395.82	394.23	1.59	0.22	395.45
MP-35 A	A Clay	01/11/06	430.36	NA	8.56	NA	421.80	0.00	0.00	421.80
		04/04/06	430.36	--	--	--	--	--	--	--
		07/07/06	430.36	NA	DRY	--	--	0.00	0.00	--
		10/05/06	430.36	NA	DRY	NA	--	0.00	0.00	--
MP-35 B	N. Olive	07/07/06	430.41	NA	DRY	--	--	0.00	0.00	--
		10/05/06	430.41	NA	DRY	NA	--	0.00	0.00	--
MP-35 C	Rand	07/07/06	430.44	NA	DRY	--	--	0.00	0.00	--
		10/05/06	430.44	NA	DRY	NA	--	0.00	0.00	--
MP-35 D	Main Sand	01/11/06	430.43	33.98	36.06	396.45	394.37	2.08	0.38	395.97
		04/04/06	430.43	--	--	--	--	--	--	--
		07/07/06	430.43	33.29	35.29	397.14	395.14	2.00	0.35	396.68
		10/05/06	430.43	34.62	36.90	395.81	393.53	2.28	0.44	395.29
MP-36 A	N. Olive	07/07/06	431.91	NA	DRY	--	--	0.00	0.00	--
		10/05/06	431.91	--	--	--	--	--	--	--
MP-36 B	Rand	07/07/06	431.94	NA	25.70	NA	406.24	0.00	0.00	--
		10/05/06	431.94	--	--	--	--	--	--	--
MP-36C	Main Sand	04/04/06	431.99	35.32	36.47	396.67	395.52	1.15	0.07	396.41
		07/07/06	431.99	34.76	36.67	397.23	395.32	1.91	0.32	396.79
		10/05/06	431.99	--	--	--	--	--	--	--

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1190505040 -- Madison County -- ILR 000128249
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MP-37 A	N. Olive	07/06/06	429.01	NA	DRY	--	--	0.00	0.00	--
		10/04/06	429.01	NA	DRY	NA	--	0.00	0.00	--
MP-37 B	Rand	01/10/06	428.99	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	428.99	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	428.99	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	428.99	NA	DRY	NA	--	0.00	0.00	--
MP-37 C	C Clay (PL in Clay)	01/10/06	429.07	NA	25.42	NA	403.65	0.00	0.00	403.65
		04/04/06	429.07	NA	24.98	NA	404.09	0.00	0.00	404.09
		07/06/06	429.07	25.62	25.66	403.45	403.41	0.04	0.01	403.44
		10/04/06	429.07	25.95	26.08	403.12	402.99	0.13	0.01	403.09
MP-37 D	Main Sand	01/10/06	429.04	32.69	33.88	396.35	395.16	1.19	0.10	396.08
		04/04/06	429.04	32.43	33.90	396.61	395.14	1.47	0.19	396.27
		07/06/06	429.04	31.85	33.60	397.19	395.44	1.75	0.28	396.79
		10/04/06	429.04	33.05	35.47	395.99	393.57	2.42	0.47	395.43
MP-38 A	N. Olive	07/07/06	427.17	NA	DRY	--	--	0.00	0.00	--
		10/05/06	427.17	NA	DRY	NA	--	0.00	0.00	--
MP-38 B	Main Silt (Rand Horizon)	01/11/06	427.03	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	427.03	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	427.03	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	427.03	NA	DRY	NA	--	0.00	0.00	--
MP-38 C	Main Sand	01/11/06	426.91	30.52	32.94	396.39	393.97	2.42	0.47	395.83
		04/04/06	426.91	30.39	31.00	396.52	395.91	0.61	0.05	396.38
		07/07/06	426.91	29.63	32.11	397.28	394.80	2.48	0.50	396.71
		10/05/06	426.91	30.94	33.81	395.97	393.10	2.87	0.63	395.31
MP-39 A	N. Olive	07/07/06	432.09	NA	12.76	NA	419.33	0.00	0.00	419.33
		10/05/06	432.09	NA	12.79	NA	419.30	0.00	0.00	419.30
MP-39 B	Rand	07/07/06	432.07	NA	23.03	NA	409.04	0.00	0.00	409.04
		10/05/06	432.07	NA	24.77	NA	407.30	0.00	0.00	407.30
MP-39 C	Main Sand	01/11/06	432.07	35.61	37.79	396.46	394.28	2.18	0.41	395.96
		04/04/06	432.07	35.30	36.88	396.77	395.19	1.58	0.22	396.41
		07/07/06	432.07	34.80	36.48	397.27	395.59	1.68	0.25	396.88

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MP-39 C	Main Sand	10/05/06	432.07	36.07	38.60	396.00	393.47	2.53	0.50	395.42
MP-40 A	A Clay (PL in A Clay)	01/11/06	431.02	NA	9.89	NA	421.13	0.00	0.00	421.13
		04/04/06	431.02	NA	9.89	NA	421.13	0.00	0.00	421.13
		07/07/06	431.02	NA	10.64	NA	420.38	0.00	0.00	420.38
		10/05/06	431.02	NA	DRY	NA	--	0.00	0.00	--
MP-40 B	Main Silt (Rand Horizon)	01/11/06	431.04	NA	29.44	NA	401.60	0.00	0.00	401.60
		04/04/06	431.04	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	431.04	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	431.04	NA	DRY	NA	--	0.00	0.00	--
MP-40 C	Main Sand	01/11/06	431.04	34.50	36.06	396.54	394.98	1.56	0.22	396.18
		04/04/06	431.04	34.22	35.46	396.82	395.58	1.24	0.10	396.53
		07/07/06	431.04	33.44	36.12	397.60	394.92	2.68	0.57	396.98
		10/05/06	431.04	35.29	36.51	395.75	394.53	1.22	0.10	395.47
MP-41 A	N Olive	07/06/06	431.24	NA	DRY	--	--	0.00	0.00	--
		10/04/06	431.24	NA	DRY	NA	--	0.00	0.00	--
MP-41 B	Rand	07/06/06	431.23	NA	DRY	--	--	0.00	0.00	--
		10/04/06	431.23	NA	DRY	NA	--	0.00	0.00	--
MP-41 C	Main Sand	01/10/06	431.08	34.66	35.43	396.42	395.65	0.77	0.06	396.24
		04/04/06	431.08	34.37	35.50	396.71	395.58	1.13	0.07	396.45
		07/06/06	431.08	33.92	34.83	397.16	396.25	0.91	0.07	396.95
		10/04/06	431.08	36.04	37.04	395.04	394.04	1.00	0.08	394.81
MP-42 A	N Olive	07/06/06	430.21	NA	DRY	--	--	0.00	0.00	--
		10/04/06	430.21	NA	DRY	NA	--	0.00	0.00	--
MP-42 B	Rand	01/10/06	430.20	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.20	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	430.20	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.20	NA	DRY	NA	--	0.00	0.00	--
MP-42 C	Main Sand	01/10/06	430.32	33.67	35.83	396.65	394.49	2.16	0.41	396.15
		04/04/06	430.32	33.64	35.24	396.68	395.08	1.60	0.22	396.31
		07/06/06	430.32	32.95	35.11	397.37	395.21	2.16	0.41	396.87
		10/04/06	430.32	34.22	36.75	396.10	393.57	2.53	0.50	395.52

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-43 A	N. Olive	01/11/06	426.75	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	426.75	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	426.75	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	426.75	NA	8.37	NA	418.38	0.00	0.00	418.38
MP-43 B	Main Silt (Rand Horizon)	01/11/06	426.72	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	426.72	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	426.72	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	426.72	NA	17.23	NA	409.49	0.00	0.00	409.49
MP-43 C	Main Silt (Rand Horizon)/ Main Sand	01/11/06	426.39	NA	30.37	NA	396.02	0.00	0.00	396.02
		04/04/06	426.39	NA	29.81	NA	396.58	0.00	0.00	396.58
		07/07/06	426.39	NA	29.48	NA	396.91	0.00	0.00	396.91
		10/05/06	426.39	NA	30.92	NA	395.47	0.00	0.00	395.47
MP-44 A	A Clay	01/10/06	430.64	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.64	NA	9.80	NA	420.84	0.00	0.00	420.84
		07/06/06	430.64	NA	9.82	NA	420.82	0.00	0.00	420.82
		10/04/06	430.64	NA	DRY	NA	--	0.00	0.00	--
MP-44 B	N. Olive	01/10/06	430.54	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.54	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	430.54	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.54	NA	DRY	NA	--	0.00	0.00	--
MP-44 C	Rand	01/10/06	430.54	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.54	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	430.54	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.54	NA	DRY	NA	--	0.00	0.00	--
MP-44 D	Main Sand	01/10/06	430.62	33.75	35.75	396.87	394.87	2.00	0.35	396.41
		04/04/06	430.62	33.76	35.28	396.86	395.34	1.52	0.19	396.51
		07/06/06	430.62	33.32	34.54	397.30	396.08	1.22	0.10	397.02
		10/04/06	430.62	34.40	36.77	396.22	393.85	2.37	0.47	395.67
MP-45 A	N. Olive	07/06/06	430.04	NA	DRY	--	--	0.00	0.00	--
		10/04/06	430.04	NA	DRY	NA	--	0.00	0.00	--
MP-45 B	Rand	01/10/06	430.04	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.04	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	430.04	NA	DRY	NA	--	0.00	0.00	--

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-45 B	Rand	10/04/06	430.04	NA	DRY	NA	--	0.00	0.00	--
MP-45 C	Main Sand	01/10/06	429.93	32.94	35.50	396.99	394.43	2.56	0.53	396.40
		04/04/06	429.93	33.04	34.77	396.89	395.16	1.73	0.25	396.49
		07/06/06	429.93	32.39	34.62	397.54	395.31	2.23	0.41	397.03
		10/04/06	429.93	34.68	36.28	395.25	393.65	1.60	0.22	394.88
MP-46 A	N. Olive	07/06/06	429.67	NA	DRY	--	--	--	--	--
		10/04/06	429.67	NA	DRY	NA	--	--	--	--
MP-46 B	Rand	07/06/06	429.65	NA	24.14	NA	405.51	0.00	0.00	405.51
		10/04/06	429.65	NA	24.16	NA	405.49	0.00	0.00	405.49
MP-46 C	Main Sand	01/10/06	429.60	32.59	35.31	397.01	394.29	2.72	0.57	396.38
		04/04/06	429.60	32.67	34.56	396.93	395.04	1.89	0.32	396.50
		07/06/06	429.60	32.08	34.25	397.52	395.35	2.17	0.41	397.02
		10/04/06	429.60	33.33	36.02	396.27	393.58	2.69	0.57	395.65
MP-47 A	N. Olive	07/06/06	429.12	NA	DRY	--	--	0.00	0.00	--
		10/04/06	429.12	NA	DRY	NA	--	0.00	0.00	--
MP-47 B	Rand	07/06/06	429.05	NA	DRY	--	--	0.00	0.00	--
		10/04/06	429.05	NA	DRY	NA	--	0.00	0.00	--
MP-47 C	Main Sand	01/10/06	429.01	31.94	34.75	397.07	394.26	2.81	0.54	396.42
		04/04/06	429.01	32.08	33.92	396.93	395.09	1.84	0.25	396.51
		07/06/06	429.01	31.42	33.78	397.59	395.23	2.36	0.43	397.05
		10/04/06	429.01	32.70	35.43	396.31	393.58	2.73	0.51	395.68
MP-48 A	N. Olive	01/11/06	429.29	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.29	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	429.29	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	429.29	NA	DRY	NA	--	0.00	0.00	--
MP-48 B	Main Silt (Rand Horizon)	01/11/06	429.29	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.29	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	429.29	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	429.29	NA	DRY	NA	--	0.00	0.00	--
MP-48 C	Main Sand	01/11/06	429.49	33.28	33.35	396.21	396.14	0.07	0.01	396.19
		04/04/06	429.49	32.79	32.86	396.70	396.63	0.07	0.01	396.68
		07/07/06	429.49	NA	32.50	NA	396.99	0.00	0.00	396.99

TABLE 2
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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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-48 C	Main Sand	10/05/06	429.49	NA	33.86	NA	395.63	0.00	0.00	395.63
MP-49 A	A Clay (P_ in A Clay)	01/11/06	431.07	NA	10.88	NA	420.19	0.00	0.00	420.19
		04/04/06	431.07	NA	10.89	NA	420.18	0.00	0.00	420.18
		07/07/06	431.07	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	431.07	NA	DRY	NA	--	0.00	0.00	--
MP-49 B	Rand	07/07/06	431.08	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	431.08	NA	DRY	NA	--	0.00	0.00	--
MP-49 C	Main Sand	01/11/06	431.07	34.59	35.58	396.48	395.49	0.99	0.08	396.25
		04/04/06	431.07	34.26	35.06	396.81	396.01	0.80	0.06	396.63
		07/07/06	431.07	33.61	35.26	397.46	395.81	1.65	0.22	397.08
		10/05/06	431.07	35.05	36.86	396.02	394.21	1.81	0.28	395.60
MP-50 A	A Clay	01/10/06	430.38	NA	14.08	NA	416.30	0.00	0.00	416.30
		04/04/06	430.38	NA	14.00	NA	416.38	0.00	0.00	416.38
		07/06/06	430.38	NA	13.89	NA	416.49	0.00	0.00	416.49
		10/04/06	430.38	NA	13.80	NA	416.58	0.00	0.00	416.58
MP-50 B	Rand	07/06/06	430.21	NA	24.05	NA	406.16	0.00	0.00	406.16
		10/04/06	430.21	NA	DRY	NA	--	0.00	0.00	--
		01/10/06	430.21	33.43	35.15	396.78	395.06	1.72	0.25	396.38
		04/04/06	430.21	33.49	34.36	396.72	395.85	0.87	0.07	396.52
		07/06/06	430.21	32.82	34.27	397.39	395.94	1.45	0.19	397.06
		10/04/06	430.21	34.08	36.18	396.13	394.03	2.10	0.38	395.65
MP-51 A	A Clay (P_ in A Clay)	01/10/06	430.90	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.90	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	430.90	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.90	NA	DRY	NA	--	0.00	0.00	--
MP-51 B	N Olive	07/06/06	430.91	NA	14.95	NA	415.96	0.00	0.00	415.96
		10/04/06	430.91	NA	DRY	NA	--	0.00	0.00	--
MP-51 C	Rand	07/06/06	430.93	NA	DRY	--	--	0.00	0.00	--
		10/04/06	430.93	NA	DRY	NA	--	0.00	0.00	--

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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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-51 D	Main Sand	01/10/06	430.99	33.84	36.56	397.15	394.43	2.72	0.57	396.52
		04/04/06	430.99	33.99	35.79	397.00	395.20	1.80	0.23	396.59
		07/06/06	430.99	33.33	35.57	397.66	395.42	2.24	0.41	397.14
		10/04/06	430.99	34.68	37.20	396.31	393.79	2.52	0.50	395.73
MP-52 A	A Clay (P_ in A Clay)	01/10/06	429.96	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.96	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.96	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.96	NA	DRY	NA	--	0.00	0.00	--
MP-52 B	Rand	01/10/06	429.97	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.97	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.97	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.97	NA	DRY	NA	--	0.00	0.00	--
MP-52 C	Main Sand	01/10/06	429.99	33.30	34.05	396.69	395.94	0.75	0.06	396.52
		04/04/06	429.99	33.25	33.90	396.74	396.09	0.65	0.05	396.59
		07/06/06	429.99	32.48	33.76	397.51	396.23	1.28	0.13	397.22
		10/04/06	429.99	33.91	35.29	396.08	394.70	1.38	0.16	395.76
MP-53 A	A Clay	01/10/06	430.59	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.59	NA	11.70	NA	418.89	0.00	0.00	418.89
		07/06/06	430.59	NA	11.44	NA	419.15	0.00	0.00	419.15
		10/04/06	430.59	NA	11.66	NA	418.93	0.00	0.00	418.93
MP-53 B	Rand	07/06/06	430.60	NA	DRY	--	--	0.00	0.00	--
		10/04/06	430.60	NA	DRY	NA	--	0.00	0.00	--
MP-53 C	Main Sand	01/10/06	430.64	33.83	34.72	396.81	395.92	0.89	0.07	396.61
		04/04/06	430.64	33.79	34.67	396.85	395.97	0.88	0.07	396.65
		07/06/06	430.52	33.20	34.02	397.32	396.50	0.82	0.06	397.13
		10/04/06	430.52	34.63	35.53	395.89	394.99	0.90	0.07	395.68
MP-54 A	N. Olive	07/06/06	430.00	NA	12.35	NA	417.65	0.00	0.00	417.65
		10/04/06	430.00	NA	12.40	NA	417.60	0.00	0.00	417.60
MP-54 B	Rand	07/06/06	429.99	NA	DRY	--	--	0.00	0.00	--
		10/04/06	429.99	NA	DRY	NA	--	0.00	0.00	--
MP-54 C	Main Sand	01/10/06	430.07	32.86	35.62	397.21	394.45	2.76	0.60	396.58
		04/04/06	430.07	--	--	--	--	--	--	--

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1190505040 -- Madison County -- ILR 000128249
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MP-54 C	Main Sand	07/06/06	430.07	32.45	34.56	397 62	395 51	2.11	0.38	397 13
		10/04/06	430.07	33 79	36 26	396 28	393 81	2.47	0.50	395 71
MP-55 A	N Olive/ B Clay	07/06/06	429.65	NA	16.84	NA	412.81	0 00	0.00	412 81
		10/04/06	429.65	NA	16.87	NA	412 78	0.00	0 00	412 78
MP-55 B	Rand	07/06/06	429.64	NA	23 85	NA	405 79	0.00	0.00	405.79
		10/04/06	429.64	NA	DRY	NA	--	0 00	0.00	--
MP-55 C	Main Sand	01/10/06	429 67	33.16	34 40	396.51	395 27	1.24	0 07	396.22
		04/04/06	429.67	--	--	--	--	--	--	--
		07/06/06	429.67	32.21	33 88	397.46	395 79	1 67	0 22	397 08
		10/04/06	429.67	33.51	35.75	396 16	393 92	2 24	0 37	395 64
MP-56 A	N Olive	07/06/06	430.25	NA	10 50	NA	419.75	0.00	0.00	419 75
		10/04/06	430.25	NA	10.75	NA	419.50	0 00	0 00	419 50
MP-56 B	Rand	07/06/06	430.25	NA	DRY	--	--	0.00	0 00	--
		10/04/06	430.25	NA	DRY	NA	--	0.00	0.00	--
MP-56 C	Main Sand	01/10/06	430.15	--	--	--	--	--	--	--
		04/04/06	430.15	33.37	33 76	396 78	396 39	0 39	0 03	396.69
		07/06/06	430.15	32.88	33.08	397 27	397 07	0 20	0 02	397.22
		10/04/06	430 15	34 08	35 29	396 07	394.86	1 21	0 10	395.79
MP-57 A	N Olive	07/06/06	429.05	NA	14 76	NA	414.29	0.00	0.00	414 29
		10/04/06	429.05	NA	DRY	NA	--	0 00	0.00	--
MP-57 B	Rand	07/06/06	429.04	NA	DRY	--	--	0 00	0.00	--
		10/04/06	429.04	NA	DRY	NA	--	0.00	0.00	--
MP-57 C	Main Sand	01/10/06	429.15	32.17	33.55	396 98	395 60	1 38	0.16	396 66
		04/04/06	429 15	32.16	33.40	396.99	395 75	1.24	0.10	396 70
		07/06/06	429.15	31 72	32 55	397 43	396.60	0.83	0.06	397 24
		10/04/06	429.15	32.89	34 87	396.26	394 28	1.98	0.35	395 80
MP-58 A	A Clay	01/10/06	430.29	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.29	NA	DRY	NA	--	0 00	0 00	--
		07/06/06	430 29	NA	DRY	NA	--	0.00	0 00	--
		10/04/06	430.29	NA	DRY	NA	--	0.00	0 00	--

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MP-58 B	Main Silt (Rand Horizon)	01/10/06	430.29	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.29	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	430.29	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.29	NA	DRY	NA	--	0.00	0.00	--
MP-58 C	Main Sand	01/10/06	430.33	33.39	33.52	396.94	396.81	0.13	0.01	396.91
		04/04/06	430.33	33.30	33.45	397.03	396.88	0.15	0.02	397.00
		07/06/06	430.33	32.70	32.77	397.63	397.56	0.07	0.01	397.61
		10/04/06	430.33	34.10	34.66	396.23	395.67	0.56	0.05	396.10
MP-59 A	A Clay	01/10/06	429.97	NA	8.79	NA	421.18	0.00	0.00	421.18
		04/04/06	429.97	NA	8.78	NA	421.19	0.00	0.00	421.19
		07/06/06	429.97	NA	8.35	NA	421.62	0.00	0.00	421.62
		10/04/06	429.97	NA	8.42	NA	421.55	0.00	0.00	421.55
MP-59 B	Main Silt (Rand Horizon)	01/10/06	429.88	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.88	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.88	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.88	NA	DRY	NA	--	0.00	0.00	--
MP-59 C	Main Sand	01/10/06	429.90	32.91	32.93	396.99	396.97	0.02	0.01	396.99
		04/04/06	429.90	32.61	32.93	397.29	396.97	0.32	0.02	397.22
		07/06/06	429.90	NA	32.13	NA	397.77	0.00	0.00	397.77
		10/04/06	429.90	33.61	34.02	396.29	395.88	0.41	0.03	396.20
MP-60 A	A Clay (PL in A Clay)	01/10/06	429.21	NA	9.76	NA	419.45	0.00	0.00	419.45
		04/04/06	429.21	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.21	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.21	NA	DRY	NA	--	0.00	0.00	--
MP-60 B	Main Silt (Rand Horizon)	01/10/06	429.20	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.20	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.20	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.20	NA	DRY	NA	--	0.00	0.00	--
MP-60 C	Main Sand	01/10/06	429.21	32.19	33.15	397.02	396.06	0.96	0.08	396.80
		04/04/06	429.21	32.03	33.47	397.18	395.74	1.44	0.16	396.85
		07/06/06	429.21	31.33	33.26	397.88	395.95	1.93	0.32	397.44
		10/04/06	429.21	33.03	34.11	396.18	395.10	1.08	0.07	395.93

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-61 A	A Clay (PL in A Clay)	01/10/06	429.98	NA	10.34	NA	419.64	0.00	0.00	419.64
		04/04/06	429.98	NA	9.01	NA	420.97	0.00	0.00	420.97
		07/06/06	429.98	NA	9.72	NA	420.26	0.00	0.00	420.26
		10/04/06	429.98	NA	9.89	NA	420.09	0.00	0.00	420.09
MP-61 B	Main Silt (Rand Horizon)	01/10/06	429.98	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.98	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.98	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.98	NA	DRY	NA	--	0.00	0.00	--
MP-61 C	Main Sand	04/04/06	430.00	NA	32.41	NA	397.59	0.00	0.00	397.59
		07/06/06	430.00	NA	31.57	NA	398.43	0.00	0.00	398.43
		10/04/06	430.00	NA	33.29	NA	396.71	0.00	0.00	396.71
MP-62 A	A Clay (PL in A Clay)	01/10/06	429.11	NA	8.18	NA	420.93	0.00	0.00	420.93
		04/04/06	429.11	NA	8.29	NA	420.82	0.00	0.00	420.82
		07/06/06	429.11	NA	6.32	NA	422.79	0.00	0.00	422.79
		10/04/06	429.11	NA	8.52	NA	420.59	0.00	0.00	420.59
MP-62 B	Main Silt (N. Olive Horizon)	01/10/06	429.11	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.11	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.11	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.11	NA	DRY	NA	--	0.00	0.00	--
MP-62 C	Main Sand	04/04/06	428.94	NA	31.54	NA	397.40	0.00	0.00	397.40
		07/06/06	428.94	NA	30.96	NA	397.98	0.00	0.00	397.98
		10/04/06	428.94	NA	32.52	NA	396.42	0.00	0.00	396.42
MP-63 A	A Clay	01/10/06	429.26	NA	9.53	NA	419.73	0.00	0.00	419.73
		04/04/06	429.26	NA	9.44	NA	419.82	0.00	0.00	419.82
		07/06/06	429.26	NA	9.48	NA	419.78	0.00	0.00	419.78
		10/04/06	429.26	NA	9.79	NA	419.47	0.00	0.00	419.47
MP-63 B	Main Silt (N. Olive Horizon)	01/10/06	429.26	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.26	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.26	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.26	NA	DRY	NA	--	0.00	0.00	--
MP-63 C	Main Sand	04/04/06	429.29	NA	32.03	NA	397.26	0.00	0.00	397.26
		07/06/06	429.29	NA	31.40	NA	397.89	0.00	0.00	397.89

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-63 C	Main Sand	10/04/06	429.29	NA	32.98	NA	396 31	0 00	0 00	396 31
MP-64 A	A Clay (PL in A Clay)	01/10/06	428.73	NA	9 60	NA	419.13	0.00	0 00	419 13
		04/04/06	428.73	NA	9.61	NA	419 12	0 00	0.00	419 12
		07/06/06	428.73	NA	9.52	NA	419.21	0.00	0.00	419.21
		10/04/06	428 73	NA	9 53	NA	419 20	0 00	0.00	419 20
MP-64 B	Main Silt (N Clive Horizon)	01/10/06	428.74	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	428.74	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	428 74	NA	DRY	NA	--	0.00	0 00	--
		10/04/06	428.74	NA	DRY	NA	--	0 00	0 00	--
MP-64 C	Main Sand	01/10/06	428.69	31 07	32 76	397.62	395 93	1.69	0.25	397 23
		04/04/06	428.69	30.94	33 09	397 75	395.60	2.15	0.41	397 26
		07/06/06	428 69	30.62	31 38	398.07	397.31	0 76	0 06	397 90
		10/04/06	428.55	31 67	34 67	396 88	393.88	3.00	0.66	396.19
MP-65 A	Main Silt (N. Olive Horizon)	01/10/06	431 41	NA	16.30	NA	415 11	0.00	0.00	415.11
		04/04/06	431.41	NA	DRY	NA	--	0.00	0 00	--
		07/06/06	431.41	NA	16.27	NA	415.14	0 00	0 00	415.14
		10/04/06	431.41	NA	16.25	NA	415 16	0 00	0.00	415.16
MP-65 B	Main Sand	01/10/06	431 44	NA	24.83	NA	406 61	0 00	0.00	406 61
		04/04/06	431.44	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	431 44	NA	DRY	NA	--	0 00	0 00	--
		10/04/06	431.44	NA	DRY	NA	--	0.00	0.00	--
MP-65 C (T 4/21/05)	Main Sand	04/04/06	431 42	NA	33.31	NA	398.11	0 00	0.00	398.11
		07/06/06	431.42	NA	32.76	NA	398 66	0.00	0.00	398 66
		10/04/06	431.42	NA	34 39	NA	397.03	0.00	0 00	397 03
MP-66 A	Main Silt (N. Olive Horizon)	01/11/06	430.81	NA	14.27	NA	416 54	0.00	0.00	416 54
		04/04/06	430.81	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	430.81	NA	14 24	NA	416 57	0 00	0.00	416 57
		10/04/06	430.81	--	--	--	--	--	--	---
MP-66 B	Main Silt (Rand Horizon)	01/11/06	430.82	NA	20.84	NA	409 98	0.00	0.00	409 98
		04/04/06	430 82	NA	25 16	NA	405.66	0 00	0.00	405 66
		07/07/06	430 82	NA	25.17	NA	405.65	0.00	0.00	405 65
		10/04/06	430.82	--	--	--	--	--	--	---

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-66 C	Main Sand	01/11/06	430.79	NA	32.46	NA	398.33	0.00	0.00	398.33
		04/04/06	430.79	NA	32.52	NA	398.27	0.00	0.00	398.27
		07/07/06	430.79	NA	31.75	NA	399.04	0.00	0.00	399.04
		10/04/06	430.79	--	--	--	--	--	--	---
MP-67 A	A Clay (PL in A Clay)	01/10/06	430.29	NA	9.82	NA	420.47	0.00	0.00	420.47
		04/04/06	430.29	NA	9.82	NA	420.47	0.00	0.00	420.47
		07/06/06	430.29	NA	9.78	NA	420.51	0.00	0.00	420.51
		10/04/06	430.29	NA	9.81	NA	420.48	0.00	0.00	420.48
MP-67 B	Main Silt (Rard Horizon)	01/10/06	430.31	NA	25.41	NA	404.90	0.00	0.00	404.90
		04/04/06	430.31	NA	25.41	NA	404.90	0.00	0.00	404.90
		07/06/06	430.31	NA	25.36	NA	404.95	0.00	0.00	404.95
		10/04/06	430.31	NA	25.38	NA	404.93	0.00	0.00	404.93
MP-67 C	Main Sand	04/04/06	430.19	NA	32.65	NA	397.54	0.00	0.00	397.54
		07/06/06	430.19	NA	32.03	NA	398.16	0.00	0.00	398.16
		10/04/06	430.19	NA	33.55	NA	396.64	0.00	0.00	396.64
MP-68 A	N. Olive	07/06/06	431.36	NA	DRY	--	--	0.00	0.00	--
		10/05/06	431.36	NA	DRY	NA	--	0.00	0.00	--
MP-69 A	N. Olive	07/06/06	431.57	NA	DRY	--	--	0.00	0.00	--
		10/05/06	431.57	NA	DRY	NA	--	0.00	0.00	--
MP-70 A	N. Olive	07/06/06	431.00	NA	16.89	NA	414.11	0.00	0.00	414.11
		10/05/06	431.00	NA	DRY	NA	--	0.00	0.00	--
MP-71 A	N. Olive	07/06/06	430.14	NA	DRY	--	--	0.00	0.00	--
		10/05/06	430.14	NA	DRY	NA	--	0.00	0.00	--
MP-72 A	N. Olive	07/06/06	430.51	NA	15.71	NA	414.80	0.00	0.00	414.80
		10/05/06	430.51	NA	DRY	NA	--	0.00	0.00	--
MP-73 A	N. Olive	07/06/06	430.84	NA	16.77	NA	414.07	0.00	0.00	414.07
		10/05/06	430.84	NA	DRY	NA	--	0.00	0.00	--
MP-74 A	N. Olive	07/06/06	431.38	NA	DRY	--	--	0.00	0.00	--
		10/05/06	431.38	NA	DRY	NA	--	0.00	0.00	--

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SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-75 A	N. Olive	07/06/06	430.66	NA	18.15	NA	412.51	0.00	0.00	412.51
		10/05/06	430.66	NA	DRY	NA	--	0.00	0.00	--
MP-76 A	N. Olive	07/06/06	430.75	NA	17.30	NA	413.45	0.00	0.00	413.45
		10/05/06	430.75	NA	DRY	NA	--	0.00	0.00	--
MP-77A	A Clay	04/04/06	430.53	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	430.53	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.53	NA	DRY	NA	--	0.00	0.00	--
MP-77B	Main Silt (Rant Horizon)	04/04/06	430.62	NA	24.56	NA	406.06	0.00	0.00	406.06
		07/06/06	430.62	NA	24.53	NA	406.09	0.00	0.00	406.09
		10/04/06	430.62	NA	24.54	NA	406.08	0.00	0.00	406.08
MP-77C	Main Sand	04/04/06	430.64	33.55	34.78	397.09	395.86	1.23	0.10	396.81
		07/06/06	430.64	32.96	34.33	397.68	396.31	1.37	0.14	397.36
		10/04/06	430.64	34.29	36.31	396.35	394.33	2.02	0.33	395.89
MP-78 A	A Clay	01/11/06	430.34	NA	7.93	NA	422.41	0.00	0.00	422.41
		04/04/06	430.34	NA	7.91	NA	422.43	0.00	0.00	422.43
		07/06/06	430.38	NA	7.89	NA	422.49	0.00	0.00	422.49
		10/05/06	430.38	NA	7.92	NA	422.46	0.00	0.00	422.46
MP-78 B	N. Olive	01/11/06	430.31	NA	13.81	NA	416.50	0.00	0.00	416.50
		04/04/06	430.31	NA	13.80	NA	416.51	0.00	0.00	416.51
		07/06/06	430.23	NA	13.75	NA	416.48	0.00	0.00	416.48
		10/05/06	430.23	NA	13.79	NA	416.44	0.00	0.00	416.44
MP-78 C	Rand	01/11/06	430.29	NA	24.09	NA	406.20	0.00	0.00	406.20
		04/04/06	430.29	NA	24.07	NA	406.22	0.00	0.00	406.22
		07/06/06	430.29	NA	24.07	NA	406.22	0.00	0.00	406.22
		10/05/06	430.29	NA	24.11	NA	406.18	0.00	0.00	406.18
MP-78 D	Main Sand	01/11/06	430.26	NA	35.03	NA	395.23	0.00	0.00	395.23
		04/04/06	430.26	NA	34.36	NA	395.90	0.00	0.00	395.90
		07/06/06	430.17	NA	34.07	NA	396.10	0.00	0.00	396.10
		10/05/06	430.17	NA	36.42	NA	393.75	0.00	0.00	393.75
MP-79 A	N. Olive	07/06/06	429.44	NA	DRY	--	--	0.00	0.00	--
		10/05/06	429.44	NA	DRY	NA	--	0.00	0.00	--

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-79 B	Rand	01/11/06	429.48	NA	27.51	NA	401.97	0.00	0.00	401.97
		04/04/06	429.48	NA	28.01	NA	401.47	0.00	0.00	401.47
		07/06/06	429.48	NA	27.95	NA	401.53	0.00	0.00	401.53
		10/05/06	429.48	NA	28.27	NA	401.21	0.00	0.00	401.21
MP-79 C	Main Sand	01/11/06	429.59	33.82	35.35	395.77	394.24	1.53	0.19	395.42
		04/04/06	429.59	32.72	35.77	396.87	393.82	3.05	0.69	396.17
		07/06/06	429.52	32.15	35.92	397.37	393.60	3.77	0.91	396.50
		10/05/06	429.52	33.98	36.93	395.54	392.59	2.95	0.66	394.86
MP-79 D	Main Sand	07/06/06	429.46	NA	33.08	NA	396.38	0.00	0.00	396.38
		10/05/06	429.46	NA	34.46	NA	395.00	0.00	0.00	395.00
MP-80 A	N. Olive		430.10	--	--	--	--	--	--	--
		07/06/06	430.03	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	430.03	NA	DRY	NA	--	0.00	0.00	--
MP-80 B	Rand	01/11/06	430.10	NA	21.44	NA	408.66	0.00	0.00	408.66
		04/04/06	430.10	NA	27.21	NA	402.89	0.00	0.00	402.89
		07/06/06	430.10	NA	27.64	NA	402.46	0.00	0.00	402.46
		10/05/06	430.10	NA	28.59	NA	401.51	0.00	0.00	401.51
MP-80 C	Main Sand	01/11/06	430.03	33.85	35.78	396.18	394.25	1.93	0.32	395.74
		04/04/06	430.03	35.15	35.35	394.88	394.68	0.20	0.02	394.83
		07/06/06	430.03	32.49	36.35	397.54	393.68	3.86	0.97	396.65
		10/05/06	430.03	34.02	37.41	396.01	392.62	3.39	0.78	395.23
MP-81 A	A Clay (PL in A Clay)	01/11/06	425.57	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	425.57	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	425.57	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	425.57	NA	DRY	NA	--	0.00	0.00	--
MP-81 B	Main Silt (Rand Horizon)	01/11/06	425.53	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	425.53	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	425.53	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	425.53	NA	DRY	NA	--	0.00	0.00	--
MP-81 C	Main Sand	01/11/06	425.40	NA	28.71	NA	396.69	0.00	0.00	396.69
		04/05/06	425.40	NA	28.33	NA	397.07	0.00	0.00	397.07
		07/07/06	425.40	NA	27.80	NA	397.60	0.00	0.00	397.60

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1190505040 -- Madison County -- ILR 000128249
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MP-81 C	Main Sand	10/05/06	425.40	NA	29.46	NA	395.94	0.00	0.00	395.94
MP-82 A	A Clay (PL in A Clay)	01/10/06	431.67	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	431.67	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	431.67	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	431.67	NA	DRY	NA	--	0.00	0.00	--
MP-82 B	Main Sil. (Rand Horizon)	01/10/06	431.67	NA	25.65	NA	406.02	0.00	0.00	406.02
		04/04/06	431.67	NA	25.68	NA	405.99	0.00	0.00	405.99
		07/07/06	431.58	NA	25.60	NA	405.98	0.00	0.00	405.98
		10/05/06	431.58	NA	25.61	NA	405.97	0.00	0.00	405.97
MP-82 C	Main Sand	04/05/06	431.61	NA	34.38	NA	397.23	0.00	0.00	397.23
		07/07/06	431.61	NA	34.07	NA	397.54	0.00	0.00	397.54
		10/05/06	431.61	NA	35.67	NA	395.94	0.00	0.00	395.94
MP-83 A	N. Olive	01/11/06	426.92	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	426.92	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	426.92	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	426.92	NA	DRY	NA	--	0.00	0.00	--
MP-83 B	Rand	01/01/06	426.94	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	426.94	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	426.94	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	426.94	NA	DRY	NA	--	0.00	0.00	--
MP-83 C	Main Sand	01/11/06	426.79	NA	31.39	NA	395.40	0.00	0.00	395.40
		04/04/06	426.79	NA	30.76	NA	396.03	0.00	0.00	396.03
		07/06/06	426.79	NA	30.50	NA	396.29	0.00	0.00	396.29
		10/05/06	426.79	NA	31.86	NA	394.93	0.00	0.00	394.93
MP-84 A	A Clay (PL in A Clay)	01/11/06	432.08	NA	8.56	NA	423.52	0.00	0.00	423.52
		04/04/06	432.08	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	432.08	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	432.08	NA	8.58	NA	423.50	0.00	0.00	423.50
MP-84 B	Main Silt (Rand Horizon)	01/11/06	432.07	NA	25.42	NA	406.65	0.00	0.00	406.65
		04/04/06	432.07	NA	25.41	NA	406.66	0.00	0.00	406.66
		07/07/06	432.07	NA	25.42	NA	406.65	0.00	0.00	406.65
		10/05/06	432.07	NA	25.44	NA	406.63	0.00	0.00	406.63

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-84 C	Main Silt (Rand Horizon)/ Main Sand	01/11/06	432.10	35.21	37.04	396.89	395.06	1.83	0.28	396.47
		04/04/06	432.10	34.97	36.39	397.13	395.71	1.42	0.16	396.80
		07/07/06	432.10	34.45	36.28	397.65	395.82	1.83	0.28	397.23
		10/05/06	432.10	35.80	37.71	396.30	394.39	1.91	0.32	395.86
MP-85 A	N. Olive	01/11/06	428.07	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	428.07	NA	10.20	NA	417.87	0.00	0.00	417.87
		07/06/06	428.07	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	428.07	NA	9.87	NA	418.20	0.00	0.00	418.20
MP-85 B	Rand	01/11/06	428.06	NA	17.16	NA	410.90	0.00	0.00	410.90
		04/04/06	428.06	NA	15.91	NA	412.15	0.00	0.00	412.15
		07/06/06	428.06	NA	18.11	NA	409.95	0.00	0.00	409.95
		10/05/06	428.06	NA	19.59	NA	408.47	0.00	0.00	408.47
MP-85 C	EPA	01/11/06	428.08	NA	31.41	NA	396.67	0.00	0.00	396.67
		04/04/06	428.08	NA	31.49	NA	396.59	0.00	0.00	396.59
		07/06/06	428.08	30.66	30.90	397.42	397.18	0.24	0.01	397.36
		10/05/06	428.08	32.11	32.30	395.97	395.78	0.19	0.01	395.93
MP-85 D	Main Sand (below D Clay)	01/11/06	427.86	NA	31.70	NA	396.16	0.00	0.00	396.16
		04/04/06	427.86	NA	31.53	NA	396.33	0.00	0.00	396.33
		07/06/06	427.86	NA	31.11	NA	396.75	0.00	0.00	396.75
		10/05/06	427.86	NA	32.53	NA	395.33	0.00	0.00	395.33
MP-86 A	A Clay (PL in A Clay)	01/10/06	431.31	NA	7.40	NA	423.91	0.00	0.00	423.91
		04/04/06	431.31	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	431.31	NA	7.39	NA	--	0.00	0.00	--
		10/05/06	431.31	NA	DRY	NA	--	0.00	0.00	--
MP-86 B	Main Silt (Rand Horizon)	01/10/06	431.28	NA	25.49	NA	405.79	0.00	0.00	405.79
		04/04/06	431.28	NA	25.48	NA	405.80	0.00	0.00	405.80
		07/07/06	431.28	NA	25.45	NA	405.83	0.00	0.00	405.83
		10/05/06	431.28	NA	25.52	NA	405.76	0.00	0.00	405.76
MP-86 C	Main Sand	01/10/06	431.20	34.29	35.34	396.91	395.86	1.05	0.07	396.67
		04/04/06	431.20	34.07	34.43	397.13	396.77	0.36	0.03	397.05
		07/07/06	431.20	33.58	34.35	397.62	396.85	0.77	0.03	397.44
		10/05/06	431.20	34.90	36.40	396.30	394.80	1.50	0.19	395.96

TABLE 2
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The Hartford Area Hydrocarbon Plume Site

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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-87 A	A Clay (PL in A Clay)	01/11/06	432.01	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	432.01	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	432.01	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	432.01	NA	DRY	NA	--	0.00	0.00	--
MP-87 B	Main Silt (Rand Horizon)	01/11/06	432.01	NA	25.59	NA	406.42	0.00	0.00	406.42
		04/04/06	432.01	NA	25.44	NA	406.57	0.00	0.00	406.57
		07/07/06	432.01	NA	25.49	NA	406.52	0.00	0.00	406.52
		10/05/06	432.01	NA	25.55	NA	406.46	0.00	0.00	406.46
MP-87 C	Main Sand	04/04/06	432.08	34.48	35.85	397.60	396.23	1.37	0.16	397.28
		07/07/06	432.08	34.44	35.68	397.64	396.40	1.24	0.10	397.35
		10/05/06	432.08	35.87	37.52	396.21	394.56	1.65	0.25	395.83
MP-88 A	A Clay	01/10/06	430.60	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.60	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	430.60	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.60	NA	DRY	NA	--	0.00	0.00	--
MP-88 B	Main Silt (Rand Horizon)	01/10/06	430.60	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	430.60	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	430.60	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.60	NA	DRY	NA	--	0.00	0.00	--
MP-88 C	Main Sand	04/04/06	430.51	33.20	33.29	397.31	397.22	0.09	0.01	397.29
		07/06/06	430.51	NA	32.67	NA	397.84	0.00	0.00	397.84
		10/04/06	430.51	33.86	35.52	396.65	394.99	1.66	0.25	396.27
MP-89 A	A Clay	01/10/06	429.17	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.17	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.17	NA	9.69	NA	419.48	0.00	0.00	419.48
		10/04/06	429.17	NA	9.71	NA	419.46	0.00	0.00	419.46
MP-89 B	Main Silt (Rand Horizon)	01/10/06	429.17	NA	DRY	NA	--	0.00	0.00	--
		04/04/06	429.17	NA	DRY	NA	--	0.00	0.00	--
		07/06/06	429.17	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.17	NA	DRY	NA	--	0.00	0.00	--
MP-89 C	Main Sand	01/10/06	429.25	NA	31.91	NA	397.34	0.00	0.00	397.34
		04/04/06	429.25	NA	31.81	NA	397.44	0.00	0.00	397.44
		07/06/06	429.25	NA	31.08	NA	398.17	0.00	0.00	398.17

TABLE 2
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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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-89 C	Main Sand	10/04/06	429.25	NA	32.77	NA	396.48	0.00	0.00	396.48
MP-90 A	A Clay	04/04/06	429.98	Vapor Monitoring Probe						
		07/07/06	429.98	Vapor Monitoring Probe						
		10/05/06	429.98	Vapor Monitoring Probe						
MP-90 B	Main Silt (N. Olive Horizon)	04/04/06	430.18	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	430.18	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	430.18	NA	DRY	NA	--	0.00	0.00	--
MP-90 C	Main Silt (Rand Horizon)/ Main Sand	04/04/06	430.08	33.05	34.04	397.03	396.04	0.99	0.08	396.80
		04/13/06	430.08	32.33	32.98	397.75	397.10	0.65	0.05	397.60
		07/07/06	429.95	32.45	33.75	397.50	396.20	1.30	0.13	397.20
		10/05/06	429.95	33.64	36.04	396.31	393.91	2.40	0.47	395.76
MP-91 A	A Clay	04/04/06	425.58	Vapor Monitoring Probe						
		07/07/06	425.58	Vapor Monitoring Probe						
		10/05/06	425.58	Vapor Monitoring Probe						
MP-91 B	Main Silt (N. Olive Horizon)	04/04/06	425.98	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	425.98	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	425.98	NA	DRY	NA	--	0.00	0.00	--
MP-91 C	Main Silt (Rand Horizon)	04/04/06	425.98	NA	DRY	NA	--	0.00	0.00	--
		07/07/06	425.98	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	425.98	NA	DRY	NA	--	0.00	0.00	--
MP-91 D	Main Sand	04/04/06	425.96	NA	29.12	NA	396.84	0.00	0.00	396.84
		07/07/06	425.96	NA	28.84	NA	397.12	0.00	0.00	397.12
		10/05/06	425.96	NA	30.31	NA	395.65	0.00	0.00	395.65
MP-92 A	A Clay	04/04/06	427.46	Vapor Monitoring Probe						
		07/07/06	427.46	Vapor Monitoring Probe						
		10/05/06	427.46	Vapor Monitoring Probe						
MP-92 B	A Clay (PL in A Clay)	04/04/06	427.46	Vapor Monitoring Probe						
		07/07/06	427.46	Vapor Monitoring Probe						
		10/05/06	427.46	Vapor Monitoring Probe						
MP-92 C	N. Olive	04/04/06	427.71	NA	19.84	NA	407.87	0.00	0.00	407.87
		07/07/06	427.71	NA	19.89	NA	407.82	0.00	0.00	407.82

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1190505040 -- Madison County -- ILR 000128249
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MP-92 C	N. Olive	10/05/06	427.71	NA	DRY	NA	--	0.00	0.00	--
MP-92 D	Main Silt (Rand Horizon)/ Main Sand	04/04/06	427.98	NA	31.08	NA	396.90	0.00	0.00	396.90
		07/07/06	427.98	NA	30.75	NA	397.23	0.00	0.00	397.23
		10/05/06	427.98	NA	32.24	NA	395.74	0.00	0.00	395.74
MP-93A	Fill/ A Clay	07/06/06	429.74	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.74	NA	DRY	NA	--	0.00	0.00	--
MP-93B	A Clay	07/06/06	429.84	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.84	NA	DRY	NA	--	0.00	0.00	--
MP-94A	A Clay	07/06/06	428.63	NA	8.90	NA	419.73	0.00	0.00	419.73
		10/04/06	428.63	NA	9.15	NA	419.48	0.00	0.00	419.48
MP-94B	Main Silt	07/06/06	428.72	NA	17.79	NA	410.93	0.00	0.00	410.93
		10/04/06	428.72	NA	17.80	NA	410.92	0.00	0.00	410.92
MP-95A	A Clay	07/06/06	428.60	NA	9.66	NA	418.94	0.00	0.00	418.94
		10/04/06	428.60	NA	DRY	NA	--	0.00	0.00	--
MP-95B	Main Silt	07/06/06	428.67	NA	16.68	NA	411.99	0.00	0.00	411.99
		10/04/06	428.67	NA	16.69	NA	411.98	0.00	0.00	411.98
MP-96A	A Clay	07/06/06	429.42	NA	5.09	NA	424.33	0.00	0.00	424.33
		10/04/06	429.42	NA	DRY	NA	--	0.00	0.00	--
MP-96B	N. Olive	07/06/06	429.57	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.57	NA	DRY	NA	--	0.00	0.00	--
MP-96C	Rand	07/06/06	429.38	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.38	NA	23.58	NA	405.80	0.00	0.00	405.80
MP-96D	Main Sand	07/06/06	429.48	31.92	33.69	397.56	395.79	1.77	0.28	397.15
		10/04/06	429.48	33.41	34.52	396.07	394.96	1.11	0.07	395.81
MP-97A	A Clay	07/06/06	429.33	NA	4.74	NA	424.59	0.00	0.00	424.59
		10/04/06	429.33	NA	DRY	NA	--	0.00	0.00	--

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MP-97B	N. Olive	07/06/06	429.31	NA	15.47	NA	413.84	0.00	0.00	413.84
		10/04/06	429.31	NA	DRY	NA	--	0.00	0.00	--
MP-97C	Fand	07/06/06	429.30	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.30	NA	DRY	NA	--	0.00	0.00	--
MP-97D	Main Sand	07/06/06	429.31	31.84	33.56	397.47	395.75	1.72	0.25	397.07
		10/04/06	429.31	33.23	35.20	396.08	394.11	1.97	0.35	395.63
MP-98A	A Clay	07/06/06	429.40	NA	4.49	NA	424.91	0.00	0.00	424.91
		10/04/06	429.40	NA	DRY	NA	--	0.00	0.00	--
MP-98B	N. Olive	07/06/06	429.38	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.38	NA	DRY	NA	--	0.00	0.00	--
MP-98C	Fand	07/06/06	429.38	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.38	NA	DRY	NA	--	0.00	0.00	--
MP-99A	A Clay	07/07/06	431.59	NA	6.86	NA	424.73	0.00	0.00	424.73
		10/05/06	431.59	NA	6.88	NA	424.71	0.00	0.00	424.71
MP-99B	Main Silt	07/07/06	431.58	NA	13.26	NA	418.32	0.00	0.00	418.32
		10/05/06	431.58	NA	13.28	NA	418.30	0.00	0.00	418.30
MP-99C	Main Sand	07/07/06	431.56	NA	34.09	NA	397.47	0.00	0.00	397.47
		10/05/06	431.56	NA	34.57	NA	396.99	0.00	0.00	396.99
MP-100A	Fill	07/07/06	431.55	NA	4.23	NA	427.32	0.00	0.00	427.32
		10/05/06	431.55	NA	DRY	NA	--	0.00	0.00	--
MP-100B	A Clay	07/07/06	431.62	NA	7.18	NA	424.44	0.00	0.00	424.44
		10/05/06	431.62	NA	DRY	NA	--	0.00	0.00	--
MP-100C	Main Silt	07/07/06	431.67	NA	13.18	NA	418.49	0.00	0.00	418.49
		10/05/06	431.67	NA	DRY	NA	--	0.00	0.00	--
MP-100D	Main Sand	07/07/06	431.65	NA	34.16	NA	397.49	0.00	0.00	397.49
		10/05/06	431.65	NA	34.42	NA	397.23	0.00	0.00	397.23

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MP-101A	A Clay	07/07/06	431.29	NA	6.52	NA	424.77	0.00	0.00	424.77
		10/05/06	431.29	NA	6.71	NA	424.58	0.00	0.00	424.58
MP-101B	Main Silt	07/07/06	431.30	NA	13.80	NA	417.50	0.00	0.00	417.50
		10/05/06	431.30	NA	13.86	NA	417.44	0.00	0.00	417.44
MP-101C	Main Sand	07/07/06	431.31	NA	33.80	NA	397.51	0.00	0.00	397.51
		10/05/06	431.31	NA	34.49	NA	396.82	0.00	0.00	396.82
MP-102A	A Clay	07/07/06	431.14	NA	6.89	NA	424.25	0.00	0.00	424.25
		10/05/06	431.14	NA	6.79	NA	424.35	0.00	0.00	424.35
MP-102B	Main Silt	07/07/06	431.13	NA	14.63	NA	416.50	0.00	0.00	416.50
		10/05/06	431.13	NA	14.68	NA	416.45	0.00	0.00	416.45
MP-102C	Main Sand	07/07/06	431.13	NA	33.61	NA	397.52	0.00	0.00	397.52
		10/05/06	431.13	NA	34.40	NA	396.73	0.00	0.00	396.73
MP-103A	A Clay	07/07/06	431.23	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	431.23	NA	7.82	NA	423.41	0.00	0.00	423.41
MP-103B	Main Silt	07/07/06	431.25	NA	14.49	NA	416.76	0.00	0.00	416.76
		10/05/06	431.25	NA	14.50	NA	416.75	0.00	0.00	416.75
MP-103C	Main Sand	07/07/06	431.24	NA	DRY	NA	--	0.00	0.00	--
		10/05/06	431.24	NA	34.77	NA	396.47	0.00	0.00	396.47
MP-104A	A Clay	07/07/06	431.26	NA	6.64	NA	424.62	0.00	0.00	424.62
		10/05/06	431.26	NA	DRY	NA	--	0.00	0.00	--
MP-104B	Main Silt	07/07/06	431.29	NA	14.32	NA	416.97	0.00	0.00	416.97
		10/05/06	431.29	NA	DRY	NA	--	0.00	0.00	--
MP-104C	Main Sand	07/07/06	431.25	NA	33.79	NA	397.46	0.00	0.00	397.46
		10/05/06	431.25	NA	34.57	NA	396.68	0.00	0.00	396.68
MP-105A	A Clay / N. Olive	07/06/06	430.95	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	430.95	NA	DRY	NA	--	0.00	0.00	--

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
MP-105B	A Clay / N Olive	07/06/06	431.36	NA	11.10	NA	420.26	0.00	0.00	420.26
		10/04/06	431.36	NA	DRY	NA	--	0.00	0.00	--
MP-105C	A Clay / N Olive	07/06/06	431.35	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	431.35	NA	DRY	NA	--	0.00	0.00	--
MP-105D	A Clay / N Olive	07/06/06	431.43	NA	11.10	NA	420.33	0.00	0.00	420.33
		10/04/06	431.43	NA	DRY	NA	--	0.00	0.00	--
MP-105E	A Clay / N Olive	07/06/06	431.46	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	431.46	NA	DRY	NA	--	0.00	0.00	--
MP-106A	A Clay	07/06/06	429.49	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.49	NA	DRY	NA	--	0.00	0.00	--
MP-106B	N Olive	07/06/06	429.48	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.48	NA	DRY	NA	--	0.00	0.00	--
MP-106C	Rand	07/06/06	429.49	NA	21.24	NA	408.25	0.00	0.00	408.25
		10/04/06	429.49	NA	DRY	NA	--	0.00	0.00	--
MP-107A	A Clay	07/06/06	429.76	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.76	NA	DRY	NA	--	0.00	0.00	--
MP-107B	N. Olive	07/06/06	429.80	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.80	NA	DRY	NA	--	0.00	0.00	--
MP-107C	Rand	07/06/06	429.74	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.74	NA	DRY	NA	--	0.00	0.00	--
MP-108A	A Clay	07/06/06	429.57	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.57	NA	DRY	NA	--	0.00	0.00	--
MP-108B	N. Olive	07/06/06	429.62	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.62	NA	13.73	NA	415.89	0.00	0.00	415.89
MP-108C	Rand	07/06/06	429.60	NA	DRY	NA	--	0.00	0.00	--
		10/04/06	429.60	NA	21.67	NA	407.93	0.00	0.00	407.93
RW-1	Main Sand	07/07/06	433.78	--	--	--	--	--	--	--
		10/05/06	433.78	37.52	38.44	396.26	395.34	0.92	0.07	396.05

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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)	Do[1] (ft)	Piezometric Surface Elevation[2] (ft)
RW-2*	Main Sand	01/10/06	431.99	35.09	37.65	396.90	394.34	2.56	0.53	396.31
		04/04/06	431.99	35.15	36.84	396.84	395.15	1.69	0.25	396.45
		07/06/06	431.99	34.63	36.31	397.36	395.68	1.68	0.25	396.97
		10/04/06	431.99	35.81	38.23	396.18	393.76	2.42	0.47	395.62
RW-3	Main / potentially other hydrostratigraphic unit	01/11/06	433.35	37.16	38.24	396.19	395.11	1.08	0.05	395.94
		04/04/06	433.35	36.94	37.82	396.41	395.53	0.88	0.06	396.21
		07/06/06	433.35	36.58	37.03	396.77	396.32	0.45	0.03	396.67
		10/05/06	433.35	37.57	40.02	395.78	393.33	2.45	0.46	395.22
RW-4	Randl/ C Clay/ Main Sand	07/06/06	429.65	32.81	32.82	396.84	396.83	0.01	0.01	396.84
		10/04/06	429.65	NA	34.90	NA	394.75	0.00	0.00	394.75
RW-4 A*	Randl/ C Clay/ Main Sand	01/13/06	429.86	33.40	35.31	396.46	394.55	1.91	0.29	396.02
		07/06/06	429.86	Recovery Pump in Well						
		10/05/06	429.86	Skimmer Pump in Well						
RW-5	Randl/ C Clay/ Main Sand	01/13/06	430.22	33.28	35.60	396.94	394.62	2.32	0.44	396.41
		07/06/06	430.22	32.78	34.68	397.44	395.54	1.90	0.32	397.00
		10/04/06	430.22	33.96	36.61	396.26	393.61	2.65	0.53	395.65
River Elevation at River Dock	NA	01/11/06					399.56			
		04/05/06					404.12			
		07/06/06					398.25			
		10/05/06					397.80			

NOTES:
NA = Not Applicable
-- = No data
PL = Permeable Lense
SG = Specific gravity of hydrocarbon determined to be an average of 0.77 for data recorded during and after 09/03.
(T xx/xx/xxxx) = Date transducer installed in well, however, data may be from miniTROLL or manual gauging.
1 = D_o is a normalized volume of LNAPL (ft^3/ft^2) per unit surface area, but is expressed as a thickness (in units of feet).
2 = Piezometric surface elevation = [(A)-(C)]+S.G.[(C)-(B)]
MP-5 through 28 installed as vacuum monitoring probes by Clayton in 7/03 and are not appropriate for determining groundwater flow.
HMW-25 through HMW-29 installed by Clayton in 12/03.
HMW-30 through 37, RW-4 and RMW-4A installed as pilot test wells by Clayton in 2004 and are not appropriate for determining groundwater flow.
Remaining HMW-series and MP-series installed by Clayton during 2004 through 2006.
Remaining wells installed by others.
TOC elevations surveyed to USGS datum by CMT.
Top of casing elevation changes present in the table indicate that the associated wells have been re-surveyed.

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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[1] (ft)
P-47	NA	--	428.20	--	--	--	--	--	--
P-51	NA	--	426.62	--	--	--	--	--	--
P-76	EPA/ D Clay/ Main Sand	01/10/06	433.28	Abandoned by Shell in 12/2005					
P-77	Main Sand (below D Clay)	01/10/06	434.57	NA	38.12	NA	396.45	0.00	396.45
		04/04/06	434.57	NA	38.27	NA	396.30	0.00	396.30
		07/06/06	434.57	NA	37.77	NA	396.80	0.00	396.80
		10/04/06	434.71	NA	38.97	NA	395.74	0.00	395.74
P-78	Main Sand (below D Clay)	01/10/06	433.29	NA	36.92	NA	396.37	0.00	396.37
		04/04/06	433.29	NA	36.94	NA	396.35	0.00	396.35
		07/06/06	433.29	NA	36.46	NA	396.83	0.00	396.83
		10/04/06	433.33	NA	37.71	NA	395.62	0.00	395.62
P-79	Main Sand (below D Clay)	01/10/06	432.65	NA	36.25	NA	396.40	0.00	396.40
		04/04/06	432.65	NA	36.30	NA	396.35	0.00	396.35
		07/06/06	432.65	NA	35.81	NA	396.84	0.00	396.84
		10/04/06	432.72	NA	37.09	NA	395.63	0.00	395.63
P-80	Main Sand (below D Clay)	01/10/06	433.04	NA	36.68	NA	396.36	0.00	396.36
		04/04/06	433.04	NA	36.73	NA	396.31	0.00	396.31
		07/06/06	433.04	NA	36.28	NA	396.76	0.00	396.76
		10/04/06	433.10	NA	37.65	NA	395.45	0.00	395.45
P-81	EPA	01/10/06	433.20	35.93	35.96	397.27	397.24	0.03	397.26
		04/04/06	433.20	NA	36.44	NA	396.76	0.00	396.76
		07/06/06	433.20	35.73	35.74	397.47	397.46	0.01	397.47
		10/04/06	433.26	37.06	38.33	396.20	394.93	1.27	395.87
P-104	N. Olive/ B Clay Sand	01/10/06	432.67	NA	20.90	NA	411.77	0.00	411.77
		04/04/06	432.67	NA	18.96	NA	413.71	0.00	413.71
		07/06/06	432.67	NA	21.63	NA	411.04	0.00	411.04
		10/04/06	432.74	NA	24.14	NA	408.60	0.00	408.60

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Wells (Shell Sites) Outside of Hartford, Illinois

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)	Piezometric Surface Elevation[1] (ft)
P-105	EPA	01/10/06	432.54	NA	34.81	NA	397.73	0.00	397.73
		04/04/06	432.54	NA	35.48	NA	397.06	0.00	397.06
		07/06/06	432.54	NA	34.82	NA	397.72	0.00	397.72
		10/04/06	432.59	NA	36.18	NA	396.41	0.00	396.41
P-106	Main Sand (below D Clay)	01/10/06	432.64	NA	36.27	NA	396.37	0.00	396.37
		04/04/06	432.65	NA	36.27	NA	396.38	0.00	396.38
		07/06/06	432.65	NA	35.77	NA	396.88	0.00	396.88
		10/04/06	432.70	NA	37.09	NA	395.61	0.00	395.61
P-107	EPA	01/10/06	431.83	NA	32.14	NA	399.69	0.00	399.69
		04/04/06	431.83	NA	31.71	NA	400.12	0.00	400.12
		07/06/06	431.83	NA	32.09	NA	399.74	0.00	399.74
		10/04/06	431.92	NA	33.78	NA	398.14	0.00	398.14
P-129	Main Sand	01/10/06	433.23	--	--	--	--	--	--
		04/04/06	433.23	NA	35.85	NA	397.38	0.00	397.38
		07/06/06	433.23	--	--	--	--	--	--
		10/04/06	433.23	--	--	--	--	--	--
P-130	Rand	01/10/06	431.67	NA	19.09	NA	412.58	0.00	412.58
		04/04/06	431.67	NA	13.92	NA	417.75	0.00	417.75
		07/06/06	431.67	NA	21.81	NA	409.86	0.00	409.86
		10/04/06	431.59	--	--	--	--	--	--
P-131	Rand	01/10/06	432.54	NA	20.62	NA	411.92	0.00	411.92
		04/04/06	432.54	NA	16.65	NA	415.89	0.00	415.89
		07/06/06	432.54	NA	22.21	NA	410.33	0.00	410.33
		10/04/06	432.65	NA	24.61	NA	408.04	0.00	408.04
P-132	EPA	01/10/06	432.08	NA	32.14	NA	399.94	0.00	399.94
		04/04/06	432.08	NA	31.43	NA	400.65	0.00	400.65
		07/06/06	432.08	NA	32.19	NA	399.89	0.00	399.89
		10/04/06	432.12	NA	33.82	NA	398.30	0.00	398.30

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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[1] (ft)
P-133	N. Olive	01/10/06	430.94	NA	20.61	NA	410.33	0.00	410.33
		04/04/06	430.94	NA	16.43	NA	414.51	0.00	414.51
		07/06/06	430.94	NA	23.01	NA	407.93	0.00	407.93
		10/04/06	431.06	NA	24.43	NA	406.63	0.00	406.63
P-134	N. Olive	01/10/06	432.46	NA	19.12	NA	413.34	0.00	413.34
		04/04/06	432.46	NA	16.70	NA	415.76	0.00	415.76
		07/06/06	432.46	NA	20.35	NA	412.11	0.00	412.11
		10/04/06	432.55	NA	23.85	NA	408.70	0.00	408.70
SP-1	Rand	01/10/06	429.00	NA	13.87	NA	415.13	0.00	415.13
		04/04/06	429.00	NA	11.82	NA	417.18	0.00	417.18
		07/06/06	429.00	NA	16.96	NA	412.04	0.00	412.04
		10/04/06	429.01	NA	18.99	NA	410.02	0.00	410.02
SP-2B	EPA	01/10/06	429.10	NA	29.21	NA	399.89	0.00	399.89
		04/04/06	429.10	NA	28.63	NA	400.47	0.00	400.47
		07/06/06	429.10	NA	29.32	NA	399.78	0.00	399.78
		10/04/06	429.11	NA	30.73	NA	398.38	0.00	398.38
SP-3	Rand	01/10/06	--	NA	15.80	--	--	0.00	--
		04/04/06	--	NA	13.22	--	--	0.00	--
		07/06/06	--	NA	19.04	--	--	0.00	--
		10/04/06	431.64	21.10	21.11	410.54	410.53	0.01	410.54
SP-5	Rand	01/10/06	431.22	NA	16.20	NA	415.02	0.00	415.02
		04/04/06	431.22	NA	13.89	NA	417.33	0.00	417.33
		07/06/06	431.22	NA	18.94	NA	412.28	0.00	412.28
		10/04/06	431.15	NA	20.81	NA	410.34	0.00	410.34
SP-6	Rand	01/10/06	433.03	NA	16.87	NA	416.16	0.00	416.16
		04/04/06	433.03	NA	14.10	NA	418.93	0.00	418.93
		07/06/06	433.03	NA	19.83	NA	413.20	0.00	413.20
		10/04/06	433.08	NA	22.13	NA	410.95	0.00	410.95

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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)	Piezometric Surface Elevation[1] (ft)
SP-7	Rand	01/10/06	428.99	NA	14.69	NA	414.30	0.00	414.30
		04/04/06	428.99	NA	11.68	NA	417.31	0.00	417.31
		07/06/06	428.99	NA	16.96	NA	412.03	0.00	412.03
		10/04/06	429.03	NA	18.92	NA	410.11	0.00	410.11
SP-8	Rand	01/10/06	429.03	NA	13.44	NA	415.59	0.00	415.59
		04/04/06	429.03	NA	11.27	NA	417.76	0.00	417.76
		07/06/06	429.03	NA	16.67	NA	412.36	0.00	412.36
		10/04/06	429.03	NA	18.78	NA	410.25	0.00	410.25
SP-9	Rand	01/10/06	432.62	NA	16.69	NA	415.93	0.00	415.93
		04/04/06	432.62	NA	14.12	NA	418.50	0.00	418.50
		07/06/06	432.62	NA	19.41	NA	413.21	0.00	413.21
		10/04/06	432.65	NA	21.85	NA	410.80	0.00	410.80
SP-10	Rand	01/10/06	432.59	NA	16.74	NA	415.85	0.00	415.85
		04/04/06	432.59	NA	14.13	NA	418.46	0.00	418.46
		07/06/06	432.59	NA	19.29	NA	413.30	0.00	413.30
		10/04/06	432.61	NA	21.63	NA	410.98	0.00	410.98
SP-11	Rand	01/10/06	432.41	NA	16.69	NA	415.72	0.00	415.72
		04/04/06	432.41	NA	13.46	NA	418.95	0.00	418.95
		07/06/06	432.41	NA	19.23	NA	413.18	0.00	413.18
		10/04/06	432.40	NA	21.42	NA	410.98	0.00	410.98
SP-12	EPA/ D Clay/ Main Sand	01/10/06	432.35	Abandoned by Shell in 12/2005					
SP-13	EPA/ D Clay/ Main Sand	01/10/06	432.48	Abandoned by Shell in 12/2005					
SP-14	EPA/ D Clay/ Main Sand	01/10/06	428.92	NA	29.76	NA	399.16	0.00	399.16
		04/04/06	428.92	NA	30.59	NA	398.33	0.00	398.33
		07/06/06	428.92	Abandoned by Shell in 2006					
SP-15	Rand	01/10/06	428.69	NA	14.18	NA	414.51	0.00	414.51
		04/04/06	428.69	NA	11.94	NA	416.75	0.00	416.75
		07/06/06	428.69	NA	17.55	NA	411.14	0.00	411.14

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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[1] (ft)
SP-15	Rand	10/04/06	428.89	NA	19.32	NA	409.57	0.00	409.57
SP-16	Rand	01/10/06	429.38	NA	14.66	NA	414.72	0.00	414.72
		04/04/06	429.38	NA	12.33	NA	417.05	0.00	417.05
		07/06/06	429.38	NA	17.79	NA	411.59	0.00	411.59
		10/04/06	429.43	NA	19.81	NA	409.62	0.00	409.62
SP-17	Rand	01/10/06	428.19	NA	14.13	NA	414.06	0.00	414.06
		04/04/06	428.19	NA	11.78	NA	416.41	0.00	416.41
		07/06/06	428.19	Abandoned by Shell in 2006					
SP-18	EPA/ID Clay/ Main Sand	01/10/06	431.07	NA	32.82	NA	398.25	0.00	398.25
		04/04/06	431.07	NA	32.52	NA	398.55	0.00	398.55
		07/06/06	431.07	Abandoned by Shell in 2006					
SP-19	Rand	01/10/06	430.89	NA	18.44	NA	412.45	0.00	412.45
		04/04/06	430.89	NA	15.40	NA	415.49	0.00	415.49
		07/06/06	430.89	NA	21.49	NA	409.40	0.00	409.40
		10/04/06	430.87	NA	23.00	NA	407.87	0.00	407.87
SP-20	Rand	01/10/06	431.10	NA	17.73	NA	413.37	0.00	413.37
		04/04/06	431.10	NA	13.79	NA	417.31	0.00	417.31
		07/06/06	431.10	NA	21.20	NA	409.90	0.00	409.90
		10/04/06	431.16	NA	22.90	NA	408.26	0.00	408.26
SP-21	Rand	01/10/06	431.65	NA	19.85	NA	411.80	0.00	411.80
		04/04/06	431.65	NA	16.36	NA	415.29	0.00	415.29
		07/06/06	431.65	NA	23.02	NA	408.63	0.00	408.63
		10/04/06	431.68	24.49	24.54	407.19	407.14	0.05	407.18
SP-22	Rand	01/10/06	430.36	NA	15.30	NA	415.06	0.00	415.06
		04/04/06	430.36	NA	12.73	NA	417.63	0.00	417.63
		07/06/06	430.36	NA	18.84	NA	411.52	0.00	411.52
		10/04/06	430.35	NA	20.71	NA	409.64	0.00	409.64

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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[1] (ft)
SP-23	Rand	01/10/06	430.67	NA	16.50	NA	414.17	0.00	414.17
		04/04/06	430.67	NA	13.34	NA	417.33	0.00	417.33
		07/06/06	430.67	NA	19.68	NA	410.99	0.00	410.99
		10/04/06	430.70	NA	21.60	NA	409.10	0.00	409.10
SP-24	Rand	01/10/06	428.86	NA	13.55	NA	415.31	0.00	415.31
		04/04/06	428.86	NA	11.51	NA	417.35	0.00	417.35
		07/06/06	428.86	NA	16.77	NA	412.09	0.00	412.09
		10/04/06	428.89	NA	18.75	NA	410.14	0.00	410.14
SP-25	Rand	01/10/06	428.61	NA	13.39	NA	415.22	0.00	415.22
		04/04/06	428.61	NA	11.37	NA	417.24	0.00	417.24
		07/06/06	428.61	NA	16.67	NA	411.94	0.00	411.94
		10/04/06	428.61	--	--	--	--	--	--
SP-26	Rand	01/10/06	429.84	NA	14.63	NA	415.21	0.00	415.21
		04/04/06	429.84	NA	12.60	NA	417.24	0.00	417.24
		07/06/06	429.84	NA	17.86	NA	411.98	0.00	411.98
		10/04/06	429.88	19.85	19.89	410.03	409.99	0.04	410.02
SP-27	Rand	01/10/06	431.90	NA	16.79	NA	415.11	0.00	415.11
		04/04/06	431.90	NA	14.85	NA	417.05	0.00	417.05
		07/06/06	431.90	NA	19.96	NA	411.94	0.00	411.94
		10/04/06	431.93	--	--	--	--	--	--
SP-28	Rand	01/10/06	432.19	NA	16.53	NA	415.66	0.00	415.66
		04/04/06	432.19	NA	14.07	NA	418.12	0.00	418.12
		07/06/06	432.19	NA	19.61	NA	412.58	0.00	412.58
		10/04/06	432.21	NA	21.85	NA	410.36	0.00	410.36
SP-29	Rand	01/10/06	431.78	NA	16.28	NA	415.50	0.00	415.50
		04/04/06	431.78	NA	14.15	NA	417.63	0.00	417.63
		07/06/06	431.78	NA	19.51	NA	412.27	0.00	412.27
		10/04/06	431.81	NA	21.60	NA	410.21	0.00	410.21

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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[1] (ft)
SP-30	Rand	01/10/06	431.83	NA	18.05	NA	413.78	0.00	413.78
		04/04/06	431.83	NA	15.74	NA	416.09	0.00	416.09
		07/06/06	431.83	NA	20.75	NA	411.08	0.00	411.08
		10/04/06	431.87	22.32	22.89	409.55	408.98	0.57	409.40
SP-31	Rand	01/10/06	429.77	NA	15.12	NA	414.65	0.00	414.65
		04/04/06	429.77	NA	12.90	NA	416.87	0.00	416.87
		07/06/06	429.77	NA	18.34	NA	411.43	0.00	411.43
		10/04/06	429.77	NA	20.18	NA	409.59	0.00	409.59
SP-32	Rand	01/10/06	430.42	NA	15.96	NA	414.46	0.00	414.46
		04/04/06	430.42	NA	13.61	NA	416.81	0.00	416.81
		07/06/06	430.42	NA	19.19	NA	411.23	0.00	411.23
		10/04/06	430.49	NA	20.93	NA	409.56	0.00	409.56
SP-33	Rand	01/10/06	430.95	NA	16.26	NA	414.69	0.00	414.69
		04/04/06	430.95	NA	14.05	NA	416.90	0.00	416.90
		07/06/06	430.95	NA	19.40	NA	411.55	0.00	411.55
		10/04/06	430.99	NA	21.41	NA	409.58	0.00	409.58
SP-34	Rand	01/10/06	430.12	NA	16.06	NA	414.06	0.00	414.06
		04/04/06	430.12	NA	13.49	NA	416.63	0.00	416.63
		07/06/06	430.12	NA	19.13	NA	410.99	0.00	410.99
		10/04/06	430.17	NA	21.10	NA	409.07	0.00	409.07
SP-35	Rand	01/10/06	431.13	NA	15.84	NA	415.29	0.00	415.29
		04/04/06	431.13	NA	13.85	NA	417.28	0.00	417.28
		07/06/06	431.13	NA	19.13	NA	412.00	0.00	412.00
		10/04/06	431.13	NA	21.10	NA	410.03	0.00	410.03
SP-36	Main Sand (below D Clay)	01/10/06	429.41	NA	32.71	NA	396.70	0.00	396.70
		04/04/06	429.41	NA	33.14	NA	396.27	0.00	396.27
		07/06/06	429.41	NA	32.65	NA	396.76	0.00	396.76
		10/04/06	429.50	NA	33.79	NA	395.71	0.00	395.71

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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[1] (ft)
SP-37	EPA	01/10/06	429.58	NA	29.91	NA	399.67	0.00	399.67
		04/04/06	429.58	NA	28.27	NA	401.31	0.00	401.31
		07/06/06	429.58	NA	30.42	NA	399.16	0.00	399.16
		10/04/06	429.71	NA	32.01	NA	397.70	0.00	397.70
SP-38	Rand	01/10/06	430.84	NA	24.15	NA	406.69	0.00	406.69
		04/04/06	430.84	NA	21.76	NA	409.08	0.00	409.08
		07/06/06	430.84	NA	24.85	NA	405.99	0.00	405.99
		10/04/06	430.90	NA	25.19	NA	405.71	0.00	405.71
SP-39	Rand	01/10/06	431.92	NA	19.32	NA	412.60	0.00	412.60
		04/04/06	431.92	NA	15.54	NA	416.38	0.00	416.38
		07/06/06	431.92	NA	21.87	NA	410.05	0.00	410.05
		10/04/06	431.98	NA	23.48	NA	408.50	0.00	408.50
SP-40	EPA	01/10/06	431.78	NA	31.80	NA	399.98	0.00	399.98
		04/04/06	431.78	NA	31.31	NA	400.47	0.00	400.47
		07/06/06	431.78	NA	32.07	NA	399.71	0.00	399.71
		10/04/06	431.84	NA	33.34	NA	398.50	0.00	398.50
SP-41	Main Sand (below D Clay)	01/10/06	431.45	NA	35.66	NA	395.79	0.00	395.79
		04/04/06	431.45	NA	35.55	NA	395.90	0.00	395.90
		07/06/06	431.45	NA	35.17	NA	396.28	0.00	396.28
		10/04/06	431.52	NA	36.30	NA	395.22	0.00	395.22
SP-42	Main Sand (below D Clay)	01/10/06	431.70	NA	35.91	NA	395.79	0.00	395.79
		04/04/06	431.70	NA	35.66	NA	396.04	0.00	396.04
		07/06/06	431.70	NA	35.36	NA	396.34	0.00	396.34
		10/04/06	431.73	NA	36.53	NA	395.20	0.00	395.20
SP-43	EPA	01/10/06	431.74	NA	31.57	NA	400.17	0.00	400.17
		04/04/06	431.74	NA	29.88	NA	401.86	0.00	401.86
		07/06/06	431.74	NA	31.94	NA	399.80	0.00	399.80
		10/04/06	431.75	NA	33.05	NA	398.70	0.00	398.70

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Wells (Shell Sites) Outside of Hartford, Illinois

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

WELL	Straturn 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[1] (ft)
SP-44	Rand	01/10/06	431.83	--	--	--	--	--	--
		04/04/06	431.83	NA	18.49	NA	413.34	0.00	413.34
		07/06/06	431.83	22.13	22.67	409.7	409.16	0.54	409.56
		10/04/06	431.87	23.29	23.40	408.58	408.47	0.11	408.55
SP-45	EPA	04/04/06	434.18	NA	33.76	NA	400.42	0.00	400.42
		07/06/06	434.18	NA	34.45	NA	399.73	0.00	399.73
		10/04/06	434.16	NA	35.93	NA	398.23	0.00	398.23
SP-46	Main Sand (below D Clay)	04/04/06	434.08	NA	37.93	NA	396.15	0.00	396.15
		07/06/06	434.08	NA	37.49	NA	396.59	0.00	396.59
		10/04/06	434.06	NA	38.69	NA	395.37	0.00	395.37
SP-47	EPA	04/04/06	432.92	NA	32.47	NA	400.45	0.00	400.45
		07/06/06	432.92	NA	33.17	NA	399.75	0.00	399.75
		10/04/06	432.96	NA	34.68	NA	398.28	0.00	398.28
SP-48	NA	07/06/06		NA	33.58	NA	-33.58	0.00	-33.58
		10/04/06	432.31	NA	35.01	NA	397.30	0.00	397.30
SP-49	NA	07/06/06		NA	29.82	NA	-29.82	0.00	-29.82
		10/04/06	428.85	NA	31.14	NA	397.71	0.00	397.71
SP-50	EPA	10/04/06	432.47	NA	34.43	NA	398.04	0.00	398.04
SP-51	Main Sand	10/04/06	432.49	NA	37.06	NA	395.43	0.00	395.43
SP-52	NA	10/04/06	428.99	NA	21.09	NA	407.90	0.00	407.90
SP-53	NA	10/04/06	428.92	NA	28.38	NA	400.54	0.00	400.54
SP-54	NA	10/04/06	428.90	NA	33.70	NA	395.20	0.00	395.20
SP-55	NA	10/04/06	432.31	NA	21.90	NA	410.41	0.00	410.41

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
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[1] (ft)
SP-56	NA	10/04/06	432.21	NA	33.91	NA	398.30	0.00	398.30
SP-57	NA	10/04/06	432.15	NA	36.84	NA	395.31	0.00	395.31
SP-58	NA	10/04/06	431.93	NA	33.98	NA	397.95	0.00	397.95
SP-59	NA	10/04/06	431.94	NA	36.55	NA	395.39	0.00	395.39
SP-60	NA	10/04/06	432.05	NA	36.54	NA	395.51	0.00	395.51
TP-PZ-1 (E)	EPA	07/06/06	437.35	NA	37.20	NA	400.15	0.00	400.15
		10/04/06	437.36	NA	38.83	NA	398.53	0.00	398.53
TP-PZ-2-(E)	EPA	07/06/06	434.41	NA	34.51	NA	399.90	0.00	399.90
		10/04/06	434.43	NA	36.12	NA	398.31	0.00	398.31

NOTES:

NA = Not Applicable
-- = No data
SG = Specific gravity of hydrocarbon assumed to be 0.74 by others.
[1] Piezometric surface elevation = [(A)-(C)]+S.G.[(C)-(B)]
Well SP-4 no longer exists
TOC elevations (except for SP-42, SP-43, & SP-44) have been rotated and adjusted to match USGS datum (datum used to survey Village wells).
This rotation and adjustment of original survey data (obtained in 7/01 by CMT, Inc.) was completed in 1/04 by CMT. TOC elevations for SP-42, SP-43, and SP-44 were surveyed to USGS datum in 12/03 by CMT.
Top of casing elevation changes present in the table indicate that the associated wells have been re-surveyed.

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
DS-1	Main Sand	01/30/06	430.94	NA	32.40	NA	398.54	0.00	398.54
		04/05/06	430.94	NA	32.86	NA	398.08	0.00	398.08
		07/07/06	430.94	NA	32.92	NA	398.02	0.00	398.02
		10/06/06	430.94	33.78	34.33	397.16	396.61	0.55	397.04
DS-2	Main Sand	01/30/06	431.13	NA	32.46	NA	398.67	0.00	398.67
		04/05/06	431.13	NA	32.96	NA	398.17	0.00	398.17
		07/07/06	431.13	33.02	33.05	398.11	398.08	0.03	398.10
		10/05/06	431.13	33.83	NA	397.30	NA	0.32	NA
DS-3	Main Sand	01/30/06	430.49	NA	31.79	NA	398.70	0.00	398.70
		04/05/06	430.49	NA	32.28	NA	398.21	0.00	398.21
		07/07/06	430.49	NA	32.35	NA	398.14	0.00	398.14
		10/05/06	430.49	NA	33.45	NA	397.04	0.00	397.04
DS-4	Main Sand	01/30/06	431.26	32.52	33.74	398.74	397.52	1.22	398.47
		04/05/06	431.26	33.06	33.95	398.20	397.31	0.89	398.00
		07/07/06	431.26	33.16	33.94	398.10	397.32	0.78	397.93
		10/05/06	431.26	34.14	34.82	397.12	396.44	0.68	396.97
GB-1	Main	01/11/06	431.59	NA	29.80	NA	401.79	0.00	401.79
		04/05/06	431.59	NA	30.50	NA	401.09	0.00	401.09
		07/06/06	431.59	NA	31.21	NA	400.38	0.00	400.38
		10/05/06	431.59	NA	32.19	NA	399.40	0.00	399.40
GB-6	Main	01/11/06	430.53	NA	30.05	NA	400.48	0.00	400.48
		04/05/06	430.53	NA	30.81	NA	399.72	0.00	399.72
		07/06/06	430.53	NA	32.63	NA	397.90	0.00	397.90
		10/05/06	430.53	NA	32.56	NA	397.97	0.00	397.97
LP-4	Main	01/11/06	432.55	NA	32.45	NA	400.10	0.00	400.10
		04/05/06	432.55	NA	33.20	NA	399.35	0.00	399.35
		07/06/06	432.55	NA	33.49	NA	399.06	0.00	399.06
		10/05/06	432.55	NA	34.54	NA	398.01	0.00	398.01
MP-1S	N. Olive	01/10/06	431.37	--	--	--	--	--	--
		04/04/06	431.37	--	--	--	--	--	--
		07/06/06	431.37	--	--	--	--	--	--
		10/04/06	431.37	--	--	--	--	--	--
MP-1D	EPA	01/10/06	431.04	--	--	--	--	--	--
		04/04/06	431.04	--	--	--	--	--	--

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
MP-1D		07/06/06	431.04	--	--	--	--	--	--
		10/04/06	431.04	--	--	--	--	--	--
MP-2S	N. Olive	01/10/06	430.66	--	--	--	--	--	--
		04/04/06	430.66	--	--	--	--	--	--
		07/06/06	430.66	NA	26.84	NA	403.82	0.00	403.82
		10/04/06	430.66	NA	26.89	NA	403.77	0.00	403.77
MP-2D	EPA	01/10/06	430.27	--	--	--	--	--	--
		04/04/06	430.27	--	--	--	--	--	--
		07/06/06	430.27	32.99	33.59	397.28	396.68	0.30	397.15
		10/04/06	430.27	NA	DRY	NA	--	0.00	--
MP-3S	N. Olive	07/06/06	430.59	NA	22.55	NA	408.04	0.00	408.04
		10/04/06	430.59	--	--	--	--	--	--
MP-3D	EPA	07/06/06	430.51	NA	33.27	NA	397.24	0.00	397.24
		10/04/06	430.51	NA	DRY	NA	--	0.00	--
MP-4S	N. Olive	01/10/06	430.42	NA	DRY	NA	--	0.00	--
		04/04/06	430.42	--	--	--	--	--	--
		07/06/06	430.42	--	--	--	--	--	--
		10/04/06	430.42	--	--	--	--	--	--
MP-4D	EPA?	01/10/06	430.42	NA	33.86	NA	396.56	0.00	396.56
		04/04/06	430.42	--	--	--	--	--	--
		07/06/06	430.42	NA	DRY	NA	--	0.00	--
		10/04/06	430.42	NA	DRY	NA	--	0.00	--
MW-1	NA	01/11/06	420.50	NA	20.39	NA	400.11	0.00	400.11
		04/04/06	420.50	NA	17.86	NA	402.64	0.00	402.64
		07/07/06	420.50	NA	21.87	NA	398.63	0.00	398.63
		10/05/06	420.39	NA	22.74	NA	397.65	0.00	397.65
MW-2	NA	01/11/06	419.58	NA	20.44	NA	399.14	0.00	399.14
		04/04/06	419.58	NA	17.90	NA	401.68	0.00	401.68
		07/07/06	419.58	NA	21.37	NA	398.21	0.00	398.21
		10/05/06	419.10	NA	21.76	NA	397.34	0.00	397.34
MW-3	NA	01/11/06	421.43	NA	22.34	NA	399.09	0.00	399.09
		04/04/06	421.43	NA	20.30	NA	401.13	0.00	401.13

TABLE 4
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Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
MW-3		07/07/06	421.43	NA	23.29	NA	398.14	0.00	398.14
		10/05/06	421.37	NA	24.08	NA	397.29	0.00	397.29
MW-4	NA	01/11/06	421.42	NA	22.86	NA	398.56	0.00	398.56
		04/04/06	421.42	NA	21.06	NA	400.36	0.00	400.36
		07/07/06	421.42	NA	23.56	NA	397.86	0.00	397.86
		10/05/06	421.38	NA	24.26	NA	397.12	0.00	397.12
P-6 N (T 2/27/05)	Main	01/10/06	430.29	NA	36.08	NA	394.21	0.00	394.21
		04/04/06	430.29	NA	36.07	NA	394.22	0.00	394.22
		07/06/06	430.29	NA	33.59	NA	396.70	0.00	396.70
		10/04/06	430.29	NA	35.01	NA	395.28	0.00	395.28
P-6 S	Main	01/10/06	430.28	NA	35.45	NA	394.83	0.00	394.83
		04/04/06	430.28	NA	35.50	NA	394.78	0.00	394.78
		07/06/06	430.28	NA	33.60	NA	396.68	0.00	396.68
		10/04/06	430.28	NA	35.00	NA	395.28	0.00	395.28
P-6 E	Main	01/10/06	429.73	35.97	36.72	393.76	393.01	0.75	393.60
		04/04/06	429.73	34.97	36.69	394.76	393.04	1.72	394.38
		07/06/06	429.73	32.79	34.44	396.94	395.29	1.65	396.58
		10/04/06	429.73	34.18	35.89	395.55	393.84	1.71	395.17
Product Pipeline Sump	NA	01/11/06	--	NA	10.87	--	--	0.00	--
		04/04/06	--	NA	13.72	--	--	0.00	--
		07/06/06	--	--	--	--	--	--	--
		10/04/06	--	NA	13.52	--	--	0.00	--
RB-1	B/C Clay/ Main	01/10/06	430.28	NA	32.43	NA	397.85	0.00	397.85
		04/04/06	430.28	NA	32.93	NA	397.35	0.00	397.35
		07/06/06	430.28	NA	32.11	NA	398.17	0.00	398.17
		10/04/06	430.28	NA	33.39	NA	396.89	0.00	396.89
RB-03P Recovery Well	EPA / Main	01/10/06	433.41	33.96	34.38	399.45	399.03	0.42	399.36
		04/04/06	433.41	34.55	34.97	398.86	398.44	0.42	398.77
		07/06/06	433.41	34.25	34.59	399.16	398.82	0.34	399.09
		10/04/06	433.41	35.40	36.40	398.01	397.01	1.00	397.79
RB-08 2" piezometer	N. Olive / EPA / Main	01/10/06	--	NA	25.18	--	--	0.00	--
		04/04/06	--	NA	26.68	--	--	0.00	--
		07/06/06	--	NA	27.05	--	--	0.00	--

TABLE 4
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Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RB-08 2" piezometer		10/05/06	--	27.47	28.75	--	--	1.28	--
	EPA / Main	01/11/06	430.16	31.45	34.45	398.71	395.71	3.00	398.05
		04/05/06	430.16	31.81	35.81	398.35	394.35	4.00	397.47
		07/07/06	430.16	31.66	35.75	398.50	394.41	4.09	397.60
		10/04/06	430.16	32.66	38.26	397.50	391.90	5.60	396.27
RB-13	EPA / Main	01/10/06	430.79	NA	31.86	NA	398.93	0.00	398.93
		04/04/06	430.79	NA	32.62	NA	398.17	0.00	398.17
		07/06/06	430.79	NA	32.10	NA	398.69	0.00	398.69
		10/04/06	430.79	NA	33.40	NA	397.39	0.00	397.39
RB-22	Main	01/11/06	431.06	NA	32.15	NA	398.91	0.00	398.91
		04/05/06	431.06	NA	DRY	NA	--	0.00	--
		07/07/06	431.06	NA	32.55	NA	398.51	0.00	398.51
		10/05/06	431.06	NA	DRY	NA	--	0.00	--
RB-25	EPA / Main	01/11/06	432.10	NA	35.62	NA	396.48	0.00	396.48
		04/04/06	432.10	NA	35.00	NA	397.10	0.00	397.10
		07/06/06	432.10	NA	34.67	NA	397.43	0.00	397.43
		10/04/06	432.10	NA	35.66	NA	396.44	0.00	396.44
RB-26	EPA / Main	01/10/06	430.05	NA	32.73	NA	397.32	0.00	397.32
		04/04/06	430.05	NA	33.21	NA	396.84	0.00	396.84
		07/06/06	430.05	NA	32.77	NA	397.28	0.00	397.28
		10/04/06	430.05	NA	33.86	NA	396.19	0.00	396.19
RB-29	N. Olive or permeable lens	01/11/06	431.97	NA	13.64	NA	418.33	0.00	418.33
		04/05/06	431.97	NA	13.70	NA	418.27	0.00	418.27
		07/07/06	431.97	14.53	14.74	417.44	417.23	0.21	417.39
		10/05/06	431.97	15.17	15.42	416.80	416.55	0.25	416.75
RB-30	Main	01/11/06	431.94	NA	32.91	NA	399.03	0.00	399.03
		04/05/06	431.94	NA	33.66	NA	398.28	0.00	398.28
		07/07/06	431.94	NA	33.82	NA	398.12	0.00	398.12
		10/05/06	431.94	NA	34.98	NA	396.96	0.00	396.96
RB-35	EPA / Main	01/10/06	429.49	29.43	33.85	400.06	395.64	4.42	399.09
		04/04/06	429.49	Recovery Pump in Well					
		07/06/06	429.49	Recovery Pump in Well					

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FB-35		10/04/06	429.49	31.34	34.91	398.15	394.58	3.57	397.36
FB-36	N. Olive / B/C Clay	01/10/06	429.21	NA	24.10	NA	405.11	0.00	405.11
		04/04/06	429.21	NA	23.87	NA	405.34	0.00	405.34
		07/06/06	429.21	NA	23.37	NA	405.84	0.00	405.84
		10/04/06	429.21	NA	24.40	NA	404.81	0.00	404.81
FB-37*	Main	01/10/06	428.52	29.72	33.45	398.80	395.07	3.73	397.98
		04/04/06	428.52	Recovery Pump in Well					
		07/06/06	428.52	Recovery Pump in Well					
		10/04/06	428.52	Skimmer Pump in Well					
FB-38	Main	01/11/06	433.73	NA	35.57	NA	398.16	0.00	398.16
		04/05/06	433.73	NA	36.28	NA	397.45	0.00	397.45
		07/07/06	433.73	NA	36.27	NA	397.46	0.00	397.46
		10/05/06	433.73	NA	37.36	NA	396.37	0.00	396.37
FB-39	EPA / Main	01/10/06	431.54	NA	37.73	NA	393.81	0.00	393.81
		04/04/06	431.54	NA	30.90	NA	400.64	0.00	400.64
		07/06/06	431.54	NA	31.53	NA	400.01	0.00	400.01
		10/04/06	431.54	NA	33.11	NA	398.43	0.00	398.43
FB-40	Main	01/11/06	433.51	NA	34.80	NA	398.71	0.00	398.71
		04/05/06	433.51	NA	35.55	NA	397.96	0.00	397.96
		07/06/06	433.51	NA	35.81	NA	397.70	0.00	397.70
		10/05/06	433.51	NA	36.83	NA	396.68	0.00	396.68
FB-41	Main	01/11/06	433.25	NA	34.41	NA	398.84	0.00	398.84
		04/05/06	433.25	NA	35.18	NA	398.07	0.00	398.07
		07/06/06	433.25	NA	35.69	NA	397.56	0.00	397.56
		10/05/06	433.25	NA	36.60	NA	396.65	0.00	396.65
FB-42	Main	01/11/06	428.47	NA	29.07	NA	399.40	0.00	399.40
		04/05/06	428.47	NA	30.88	NA	397.59	0.00	397.59
		07/06/06	428.47	NA	30.54	NA	397.93	0.00	397.93
		10/05/06	428.47	NA	31.49	NA	396.98	0.00	396.98
FB-43	Main	01/11/06	427.99	NA	25.94	NA	402.05	0.00	402.05
		04/05/06	427.99	NA	26.69	NA	401.30	0.00	401.30
		07/06/06	427.99	NA	27.48	NA	400.51	0.00	400.51
		10/05/06	427.99	NA	28.41	NA	399.58	0.00	399.58

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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[1] (ft)
RB-44	Main	01/11/06	432.99	NA	31.71	NA	401.28	0.00	401.28
		04/05/06	432.99	NA	32.48	NA	400.51	0.00	400.51
		07/06/06	432.99	NA	32.88	NA	400.11	0.00	400.11
		10/05/06	432.99	NA	33.94	NA	399.05	0.00	399.05
RB-45	Main	01/11/06	431.95	NA	31.21	NA	400.74	0.00	400.74
		04/05/06	431.95	NA	31.94	NA	400.01	0.00	400.01
		07/06/06	431.95	NA	32.17	NA	399.78	0.00	399.78
		10/05/06	431.95	NA	33.28	NA	398.67	0.00	398.67
RB-46	Main	01/11/06	430.61	NA	31.46	NA	399.15	0.00	399.15
		04/05/06	430.61	NA	32.19	NA	398.42	0.00	398.42
		07/07/06	430.61	NA	31.98	NA	398.63	0.00	398.63
		10/05/06	430.61	NA	33.30	NA	397.31	0.00	397.31
RB-47	Main	01/11/06	431.05	NA	32.23	NA	398.82	0.00	398.82
		04/05/06	431.05	NA	32.97	NA	398.08	0.00	398.08
		07/07/06	431.05	NA	32.78	NA	398.27	0.00	398.27
		10/05/06	431.05	NA	34.15	NA	396.90	0.00	396.90
RB-48*	Main	01/11/06	431.36	30.66	33.63	400.70	397.73	2.97	400.05
		04/05/06	431.36	Skimmer Pump in Well					
		07/07/06	431.36	Skimmer Pump in Well					
		10/05/06	431.36	Skimmer Pump in Well					
RB-49	Clay Plug	01/11/06	429.32	NA	2.97	NA	426.35	0.00	426.35
		04/05/06	429.32	NA	3.46	NA	425.86	0.00	425.86
		07/07/06	429.32	NA	5.50	NA	423.82	0.00	423.82
		10/05/06	429.32	NA	6.06	NA	423.26	0.00	423.26
RB-50	Clay Plug	01/11/06	431.47	NA	6.35	NA	425.12	0.00	425.12
		04/04/06	431.47	NA	5.91	NA	425.56	0.00	425.56
		07/07/06	431.47	NA	8.36	NA	423.11	0.00	423.11
		10/05/06	431.47	NA	9.18	NA	422.29	0.00	422.29
RB-51	Main	01/11/06	431.54	NA	31.89	NA	399.65	0.00	399.65
		04/05/06	431.54	NA	31.98	NA	399.56	0.00	399.56
		07/07/06	431.54	NA	31.69	NA	399.85	0.00	399.85
		10/05/06	431.54	NA	33.23	NA	398.31	0.00	398.31

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RB-52*	Main	01/10/06	431.97	34.32	34.50	397.65	397.47	0.18	397.61
		04/04/06	431.97	34.42	34.59	397.55	397.38	0.17	397.51
		07/07/06	431.97	33.98	34.06	397.99	397.91	0.08	397.97
		10/04/06	431.97	35.47	35.67	396.50	396.30	0.20	396.46
RB-53*	EPA / Main	01/10/06	433.31	36.04	39.15	397.27	394.16	3.11	396.59
		04/04/06	433.31	36.70	39.48	396.61	393.83	2.78	396.00
		07/06/06	433.31	Skimmer Pump in Well					
		10/04/06	433.31	Skimmer Pump in Well					
RB-54	EPA	01/10/06	431.79	NA	28.82	NA	402.97	0.00	402.97
		04/04/06	431.79	NA	26.37	NA	405.42	0.00	405.42
		07/06/06	431.79	NA	27.42	NA	404.37	0.00	404.37
		10/04/06	431.79	NA	30.58	NA	401.21	0.00	401.21
RB-55*	EPA	01/10/06	433.82	33.58	37.71	400.24	396.11	4.13	399.33
		04/04/06	433.82	Skimmer Pump in Well					
		07/06/06	433.82	Skimmer Pump in Well					
		10/04/06	433.82	Skimmer Pump in Well					
RB-56*	EPA / Main	01/10/06	431.89	34.66	38.03	397.23	393.86	3.37	396.49
		04/04/06	431.89	H2A Unit Present					
		07/06/06	431.89	Skimmer Pump in Well					
		10/04/06	431.89	Skimmer Pump in Well					
RMP-5A	A Clay		431.08	--	--	--	--	--	--
RMP-5B	N. Olive	07/06/06	430.96	NA	18.00	NA	412.96	0.00	412.96
		10/04/06	430.96	NA	18.10	NA	412.86	0.00	412.86
RMP-5C	EPA	07/06/06	431.24	NA	34.99	NA	396.25	0.00	396.25
		10/04/06	431.24	NA	36.26	NA	394.98	0.00	394.98
RMP-5D	Main Sand (below D Clay)	07/06/06	431.41	NA	35.26	NA	396.15	0.00	396.15
		10/04/06	431.41	NA	36.77	NA	394.64	0.00	394.64
RMP-6A	A Clay		430.08	--	--	--	--	--	--
RMP-6B	N. Olive	07/06/06	429.97	NA	17.07	NA	412.90	0.00	412.90
		10/04/06	429.97	NA	DRY	NA	--	0.00	--

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RMP-6C	EPA	07/06/06	429.88	NA	32.27	NA	397.61	0.00	397.61
		10/04/06	429.88	NA	33.80	NA	396.08	0.00	396.08
RMP-6D	Main Sand (below D Clay)	07/06/06	430.26	NA	33.51	NA	396.75	0.00	396.75
		10/04/06	430.26	NA	34.89	NA	395.37	0.00	395.37
RMP-7A	A Clay		430.50	--	--	--	--	--	--
RMP-7B	N. Olive	07/06/06	430.58	NA	DRY	NA	--	0.00	--
		10/04/06	430.58	NA	DRY	NA	--	0.00	--
RMP-7C	EPA	07/06/06	430.49	33.39	34.21	397.10	396.28	0.82	396.92
		10/04/06	430.49	34.70	35.92	395.79	394.57	1.22	395.52
RMP-7D	Main Sand (below D Clay)	07/06/06	430.56	NA	33.96	NA	396.60	0.00	396.60
		10/04/06	430.56	NA	35.36	NA	395.20	0.00	395.20
RMP-8A	A Clay		433.44	--	--	--	--	--	--
RMP-8B	N. Olive	07/06/06	433.42	NA	DRY	NA	--	0.00	--
		10/04/06	433.42	NA	DRY	NA	--	0.00	--
RMP-8C	EPA	07/06/06	433.37	NA	35.23	NA	398.14	0.00	398.14
		10/04/06	433.37	NA	36.68	NA	396.69	0.00	396.69
RMP-8D	Main Sand (below D Clay)	07/06/06	433.33	NA	36.34	NA	396.99	0.00	396.99
		10/04/06	433.33	NA	37.71	NA	395.62	0.00	395.62
RMP-9A	A Clay		434.15	--	--	--	--	--	--
RMP-9B	N. Olive	07/06/06	433.95	NA	DRY	-	--	0.00	--
		10/04/06	433.95	NA	DRY	NA	--	0.00	--
RMP-9C	Main Sand	07/06/06	434.20	36.76	39.01	397.44	395.19	2.25	396.95
		10/04/06	434.20	38.16	40.67	396.04	393.53	2.51	395.49
RMP-10A	A Clay		430.70	--	--	--	--	--	--
RMP-10B	N. Olive	07/06/06	430.70	NA	17.84	NA	412.86	0.00	412.86
		10/04/06	430.70	NA	DRY	NA	--	0.00	--

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RMP-10C	Main Sand	07/06/06	430.74	33.56	33.79	397.18	396.95	0.23	397.13
		10/04/06	430.74	NA	34.44	NA	396.30	0.00	396.30
RMP-11A	A Clay		429.73	--	--	--	--	--	--
RMP-11B	N. Olive	07/06/06	429.81	NA	DRY	NA	--	0.00	--
		10/04/06	429.81	NA	DRY	NA	--	0.00	--
RMP-11C	Main Sand	07/06/06	429.82	32.15	34.36	397.67	395.46	2.21	397.18
		10/04/06	429.82	33.39	36.40	396.43	393.42	3.01	395.77
RMP-12A	A Clay		430.47	--	--	--	--	--	--
RMP-12B	N. Olive	07/06/06	430.45	NA	DRY	NA	--	0.00	--
		10/04/06	430.45	NA	DRY	NA	--	0.00	--
RMP-12C	Main Silt		430.26	--	--	--	--	--	--
RMP-12D	Main Sand	07/06/06	430.35	NA	33.94	NA	396.41	0.00	396.41
		10/04/06	430.35	NA	34.35	NA	396.00	0.00	396.00
RMP-13A	A Clay		430.00	--	--	--	--	--	--
RMP-13B	Main Silt		430.04	--	--	--	--	--	--
RMP-13C	Main Silt	07/06/06	430.22	NA	32.50	NA	397.72	0.00	397.72
		10/04/06	431.32	NA	35.11	NA	396.21	0.00	396.21
RMP-14A	A Clay		430.30	--	--	--	--	--	--
RMP-14B	Main Silt		430.30	--	--	--	--	--	--
RMP-14C	Main Sand	07/06/06	430.64	31.87	38.94	398.77	391.70	7.07	397.21
		10/04/06	430.64	33.28	39.98	397.36	390.66	6.70	395.89
RMP-15A	A Clay		433.63	--	--	--	--	--	--
RMP-15B	N. Olive	07/06/06	433.77	NA	20.84	NA	412.93	0.00	412.93
		10/04/06	433.77	NA	DRY	NA	--	0.00	--
RMP-16A	A Clay		433.97	--	--	--	--	--	--

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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[1] (ft)
RMP-16B	EPA	07/06/06	434.13	37.31	37.77	396.82	396.36	0.46	396.72
		10/04/06	434.13	38.80	39.00	395.33	395.13	0.20	395.29
RMP-17A	Main Sand	07/06/06	434.20	36.84	39.44	397.36	394.76	2.60	396.79
		10/04/06	434.20	38.18	41.25	396.02	392.95	3.07	395.34
RMP-18A	Main Sand	07/06/06	430.07	32.45	34.65	397.62	395.42	2.20	397.14
		10/04/06	430.07	33.79	36.35	396.28	393.72	2.56	395.72
RMP-19A	Main Sand	07/06/06	430.41	NA	33.05	NA	397.36	0.00	397.36
		10/04/06	430.41	34.03	36.24	396.38	394.17	2.21	395.89
RMW-1A	A Clay	01/10/06	429.78	NA	10.08	NA	419.70	0.00	419.70
		04/04/06	429.78	NA	10.05	NA	419.73	0.00	419.73
		07/06/06	429.78	NA	10.07	NA	419.71	0.00	419.71
		10/04/06	429.78	NA	10.05	NA	419.73	0.00	419.73
RMW-1B	Main Silt	01/10/06	429.72	NA	26.20	NA	403.52	0.00	403.52
		04/04/06	429.72	NA	26.20	NA	403.52	0.00	403.52
		07/06/06	429.72	--	--	--	--	--	--
		10/04/06	429.72	NA	26.22	NA	403.50	0.00	403.50
RMW-1C	Main Silt / Main Sand	01/10/06	429.48	31.85	32.72	397.63	396.76	0.87	397.44
		04/04/06	429.48	32.07	32.14	397.41	397.34	0.07	397.39
		07/06/06	429.48	31.14	33.88	398.34	395.60	2.74	397.74
		10/04/06	429.48	33.13	33.15	396.35	396.33	0.02	396.35
RMW-1D	Main Sand (Deep Nested Well)	01/10/06	429.66	NA	32.40	NA	397.26	0.00	397.26
		04/04/06	429.66	NA	32.39	NA	397.27	0.00	397.27
		07/06/06	429.66	NA	31.94	NA	397.72	0.00	397.72
		10/04/06	429.66	NA	33.36	NA	396.30	0.00	396.30
RMW-1E	Main Sand (Deep Nested Well)	01/10/06	429.63	NA	32.40	NA	397.23	0.00	397.23
		04/04/06	429.63	NA	32.40	NA	397.23	0.00	397.23
		07/06/06	429.63	NA	31.93	NA	397.70	0.00	397.70
		10/04/06	429.63	NA	33.36	NA	396.27	0.00	396.27
RMW-1F	Main Sand (Deep Nested Well)	01/10/06	429.43	NA	32.19	NA	397.24	0.00	397.24
		04/04/06	429.43	NA	32.19	NA	397.24	0.00	397.24
		07/06/06	429.43	NA	31.73	NA	397.70	0.00	397.70

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-1F		10/04/06	429.43	NA	33.14	NA	396.29	0.00	396.29
RMW-2A	N. Olive	01/10/06	433.64	NA	21.84	NA	411.80	0.00	411.80
		04/04/06	433.64	NA	21.83	NA	411.81	0.00	411.81
		07/06/06	433.64	NA	21.84	NA	411.80	0.00	411.80
		10/04/06	433.64	NA	21.85	NA	411.79	0.00	411.79
RMW-2B	Permeable lens in B/C Clay	01/10/06	433.64	NA	26.96	NA	406.68	0.00	406.68
		04/04/06	433.64	NA	27.19	NA	406.45	0.00	406.45
		07/06/06	433.64	NA	27.16	NA	406.48	0.00	406.48
		10/04/06	433.64	NA	27.16	NA	406.48	0.00	406.48
RMW-2C	Main Sand	01/10/06	433.34	NA	36.57	NA	396.77	0.00	396.77
		04/04/06	433.34	36.39	37.21	396.95	396.13	0.82	396.77
		07/06/06	433.34	35.89	36.49	397.45	396.85	0.60	397.32
		10/04/06	433.34	37.31	37.91	396.03	395.43	0.60	395.90
RMW-2D	Main Sand (Deep Nested Well)	01/10/06	433.41	NA	36.72	NA	396.69	0.00	396.69
		04/04/06	433.41	NA	36.60	NA	396.81	0.00	396.81
		07/06/06	433.41	NA	36.09	NA	397.32	0.00	397.32
		10/04/06	433.41	NA	37.46	NA	395.95	0.00	395.95
RMW-2E	Main Sand (Deep Nested Well)	01/10/06	433.54	NA	36.85	NA	396.69	0.00	396.69
		04/04/06	433.54	NA	36.78	NA	396.76	0.00	396.76
		07/06/06	433.54	NA	36.21	NA	397.33	0.00	397.33
		10/04/06	433.54	NA	37.60	NA	395.94	0.00	395.94
RMW-2F	Main Sand (Deep Nested Well)	01/10/06	433.64	NA	36.93	NA	396.71	0.00	396.71
		04/04/06	433.64	NA	36.82	NA	396.82	0.00	396.82
		07/06/06	433.64	NA	36.31	NA	397.33	0.00	397.33
		10/04/06	433.64	NA	37.69	NA	395.95	0.00	395.95
RMW-3A	N. Olive	01/10/06	434.10	NA	22.19	NA	411.91	0.00	411.91
		04/04/06	434.10	NA	22.24	NA	411.86	0.00	411.86
		07/06/06	434.10	NA	22.24	NA	411.86	0.00	411.86
		10/04/06	434.10	NA	22.29	NA	411.81	0.00	411.81
RMW-3B (T 2/27/05-7/15/05)	EFA / Main	01/10/06	434.01	37.26	38.55	396.75	395.46	1.29	396.47
		04/04/06	434.01	37.49	39.02	396.52	394.99	1.53	396.18
		07/06/06	434.01	37.00	38.27	397.01	395.74	1.27	396.73

TABLE 4
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Premcor Facility

1190505040 -- Madison County -- ILR000128249
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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[1] (ft)
RMW-3B		10/04/06	434.01	38.33	40.84	395.68	393.17	2.51	395.13
(T 2/27/05-7/18/05)									
RMW-3C	Main Sand	01/10/06	434.21	NA	37.80	NA	396.41	0.00	396.41
	(below D Clay	04/04/06	434.21	NA	37.97	NA	396.24	0.00	396.24
	& LNAPL)	07/06/06	434.21	NA	37.66	NA	396.55	0.00	396.55
		10/04/06	434.21	NA	39.09	NA	395.12	0.00	395.12
RMW-4A	N. Olive	01/10/06	433.02	19.76	19.77	413.26	413.25	0.01	413.26
		04/04/06	433.02	NA	20.38	NA	412.64	0.00	412.64
		07/06/06	433.02	NA	21.21	NA	411.81	0.00	411.81
		10/04/06	433.02	NA	21.32	NA	411.70	0.00	411.70
RMW-4B	EPA	01/10/06	433.07	NA	33.59	NA	399.48	0.00	399.48
		04/04/06	433.07	NA	34.25	NA	398.82	0.00	398.82
		07/06/06	433.07	NA	33.95	NA	399.12	0.00	399.12
		10/04/06	433.07	NA	35.25	NA	397.82	0.00	397.82
RMW-4C	Main Sand	01/10/06	433.11	NA	35.98	NA	397.13	0.00	397.13
(T 2/27/05)	(below D Clay)	04/04/06	433.11	NA	36.52	NA	396.59	0.00	396.59
		07/06/06	433.11	NA	36.09	NA	397.02	0.00	397.02
		10/04/06	433.11	NA	37.36	NA	395.75	0.00	395.75
RMW-4D	Main Sand	01/10/06	432.83	NA	35.76	NA	397.07	0.00	397.07
	(Deep Nested Well)	04/04/06	432.83	NA	36.21	NA	396.62	0.00	396.62
		07/06/06	432.83	NA	35.85	NA	396.98	0.00	396.98
		10/04/06	432.83	NA	37.14	NA	395.69	0.00	395.69
RMW-4E	Main Sand	01/10/06	432.82	NA	35.73	NA	397.09	0.00	397.09
	(Deep Nested Well)	04/04/06	432.82	NA	36.19	NA	396.63	0.00	396.63
		07/06/06	432.82	NA	35.77	NA	397.05	0.00	397.05
		10/04/06	432.82	NA	37.04	NA	395.78	0.00	395.78
RMW-4F	Main Sand	01/10/06	432.37	NA	35.28	NA	397.09	0.00	397.09
	Deep Nested Well)	04/04/06	432.37	NA	35.73	NA	396.64	0.00	396.64
		07/08/06	432.37	NA	35.39	NA	396.98	0.00	396.98
		10/04/06	432.37	NA	36.58	NA	395.79	0.00	395.79
RMW-5A	N. Olive	01/10/06	431.85	NA	21.29	NA	410.56	0.00	410.56
		04/04/06	431.85	NA	19.62	NA	412.23	0.00	412.23
		07/06/06	431.85	NA	21.19	NA	410.66	0.00	410.66
		10/04/06	431.85	NA	21.24	NA	410.61	0.00	410.61

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Premcor Facility

1190505040 -- Madison County -- ILR000128249
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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[1] (ft)
RMW-5B	EPA	01/10/06	432.03	NA	31.66	NA	400.37	0.00	400.37
(T 1/7/05)		04/04/06	432.03	NA	31.43	NA	400.60	0.00	400.60
		07/06/06	432.03	NA	32.07	NA	399.96	0.00	399.96
		10/04/06	431.78	NA	33.36	NA	398.42	0.00	398.42
RMW-5C	Main Sand	01/10/06	432.01	NA	34.89	NA	397.12	0.00	397.12
(T 1/10/05)	(below D Clay)	04/04/06	432.01	NA	35.40	NA	396.61	0.00	396.61
		07/06/06	432.01	NA	34.99	NA	397.02	0.00	397.02
		10/04/06	431.78	NA	35.93	NA	395.85	0.00	395.85
RMW-6A	N. Olive	01/10/06	430.40	NA	17.97	NA	412.43	0.00	412.43
		04/04/06	430.40	NA	17.87	NA	412.53	0.00	412.53
		07/06/06	430.40	NA	17.88	NA	412.52	0.00	412.52
		10/04/06	430.40	NA	17.95	NA	412.45	0.00	412.45
RMW-6B	Permeable lens in	01/10/06	430.39	NA	23.35	NA	407.04	0.00	407.04
	B/C Clay	04/04/06	430.39	NA	21.78	NA	408.61	0.00	408.61
		07/06/06	430.39	NA	24.29	NA	406.10	0.00	406.10
		10/04/06	430.39	NA	24.72	NA	405.67	0.00	405.67
RMW-6C	Main Silt	01/10/06	430.37	NA	30.54	NA	399.83	0.00	399.83
		04/04/06	430.37	NA	30.44	NA	399.93	0.00	399.93
		07/06/06	430.37	NA	30.45	NA	399.92	0.00	399.92
		10/04/06	430.37	NA	30.53	NA	399.84	0.00	399.84
RMW-6D	Main Silt /	01/10/06	430.41	NA	32.70	NA	397.71	0.00	397.71
	Main Sand	04/04/06	430.41	NA	33.28	NA	397.13	0.00	397.13
		07/06/06	430.41	NA	32.95	NA	397.46	0.00	397.46
		10/04/06	430.41	NA	34.07	NA	396.34	0.00	396.34
RMW-6E	Main Sand	01/10/06	430.02	NA	32.47	NA	397.55	0.00	397.55
	(Deep Nested Well)	04/04/06	430.02	NA	33.09	NA	396.93	0.00	396.93
		07/06/06	430.02	NA	32.78	NA	397.24	0.00	397.24
		10/04/06	430.02	NA	33.91	NA	396.11	0.00	396.11
RMW-6F	Main Sand	01/10/06	429.67	NA	32.11	NA	397.56	0.00	397.56
	(Deep Nested Well)	04/04/06	429.67	NA	32.71	NA	396.96	0.00	396.96
		07/06/06	429.67	NA	32.42	NA	397.25	0.00	397.25
		10/04/06	429.67	NA	33.56	NA	396.11	0.00	396.11
RMW-6G	Main Sand	01/10/06	430.01	NA	32.46	NA	397.55	0.00	397.55
	(Deep Nested Well)	04/04/06	430.01	NA	33.05	NA	396.96	0.00	396.96

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RMW-6G		07/06/06	430.01	NA	32.74	NA	397.27	0.00	397.27
		10/04/06	430.01	NA	33.90	NA	396.11	0.00	396.11
RMW-7A	N. Olive	01/10/06	429.00	NA	DRY	NA	--	0.00	--
		04/04/06	429.00	NA	22.29	NA	406.71	0.00	406.71
		07/06/06	429.00	NA	20.37	NA	408.63	0.00	408.63
		10/04/06	429.00	NA	21.84	NA	407.16	0.00	407.16
RMW-7B	Permeable lens in B/C Clay	01/10/06	429.11	NA	23.48	NA	405.63	0.00	405.63
		04/04/06	429.11	NA	22.96	NA	406.15	0.00	406.15
		07/06/06	429.11	NA	22.64	NA	406.47	0.00	406.47
		10/04/06	429.11	NA	23.74	NA	405.37	0.00	405.37
RMW-7C	Main Sand	01/10/06	429.34	30.49	30.66	398.85	398.68	0.17	398.81
		04/04/06	429.34	Skimmer Pump in Well					
		07/06/06	429.34	Skimmer Pump in Well					
		10/04/06	429.34	Skimmer Pump in Well					
RMW-7D	Main Sand (Deep Nested Well)	01/10/06	428.62	NA	31.07	NA	397.55	0.00	397.55
		04/04/06	428.62	NA	31.68	NA	396.94	0.00	396.94
		07/06/06	428.62	NA	31.36	NA	397.26	0.00	397.26
		10/04/06	428.62	NA	32.50	NA	396.12	0.00	396.12
RMW-7E	Main Sand (Deep Nested Well)	01/10/06	428.95	NA	31.39	NA	397.56	0.00	397.56
		04/04/06	428.95	NA	31.98	NA	396.97	0.00	396.97
		07/06/06	428.95	NA	31.68	NA	397.27	0.00	397.27
		10/04/06	428.95	NA	32.82	NA	396.13	0.00	396.13
RMW-7F	Main Sand (Deep Nested Well)	01/10/06	429.20	NA	31.50	NA	397.70	0.00	397.70
		04/04/06	429.20	NA	32.20	NA	397.00	0.00	397.00
		07/06/06	429.20	NA	31.88	NA	397.32	0.00	397.32
		10/04/06	429.20	NA	33.03	NA	396.17	0.00	396.17
RMW-8A	Main Silt / Main Sand	01/11/06	432.52	NA	33.57	NA	398.95	0.00	398.95
		04/05/06	432.52	NA	33.53	NA	398.99	0.00	398.99
		07/07/06	432.52	NA	DRY	NA	--	0.00	--
		10/05/06	432.52	NA	33.65	NA	398.87	0.00	398.87
RMW-8B	Main Sand	01/11/06	432.49	NA	34.62	NA	397.87	0.00	397.87
		04/05/06	432.49	NA	35.23	NA	397.26	0.00	397.26
		07/07/06	432.49	NA	35.09	NA	397.40	0.00	397.40

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RMW-8B		10/05/06	432.49	NA	36.24	NA	396.25	0.00	396.25
RMW-9A	N. Olive	01/11/06	430.71	NA	11.57	NA	419.14	0.00	419.14
		04/05/06	430.71	NA	11.22	NA	419.49	0.00	419.49
		07/07/06	430.71	--	--	--	--	--	--
		10/05/06	430.71	NA	11.89	NA	418.82	0.00	418.82
RMW-9B	EPA	01/11/06	430.67	32.34	32.37	398.33	398.30	0.03	398.32
		04/05/06	430.67	NA	33.02	NA	397.65	0.00	397.65
		07/07/06	430.67	--	--	--	--	--	--
		10/05/06	430.67	34.17	34.18	396.50	396.49	0.01	396.50
RMW-10A	N. Olive	01/11/06	430.53	13.68	13.96	416.85	416.57	0.28	416.79
		04/05/06	430.53	13.44	13.55	417.09	416.98	0.11	417.07
		07/07/06	430.53	14.17	14.73	416.36	415.80	0.56	416.24
		10/05/06	430.53	14.53	15.15	416.00	415.38	0.62	415.86
RMW-10B	Main Sand	01/11/06	430.42	NA	31.79	NA	398.63	0.00	398.63
		04/05/06	430.42	NA	32.51	NA	397.91	0.00	397.91
		07/07/06	430.42	NA	32.54	NA	397.88	0.00	397.88
		10/05/06	430.42	NA	33.71	NA	396.71	0.00	396.71
RMW-10C	Main Sand (Deep Nested Well)	01/11/06	428.09	NA	29.47	NA	398.62	0.00	398.62
		04/05/06	428.09	NA	30.14	NA	397.95	0.00	397.95
		07/07/06	428.09	NA	30.26	NA	397.83	0.00	397.83
		10/05/06	428.09	NA	31.40	NA	396.69	0.00	396.69
RMW-10D	Main Sand (Deep Nested Well)	01/01/06	428.00	NA	29.38	NA	398.62	0.00	398.62
		04/05/06	428.00	NA	30.04	NA	397.96	0.00	397.96
		07/07/06	428.00	NA	30.17	NA	397.83	0.00	397.83
		10/05/06	428.00	NA	31.30	NA	396.70	0.00	396.70
RMW-10E	Main Sand (Deep Nested Well)	01/11/06	427.87	NA	29.19	NA	398.68	0.00	398.68
		04/05/06	427.87	NA	29.87	NA	398.00	0.00	398.00
		07/07/06	427.87	NA	29.98	NA	397.89	0.00	397.89
		10/05/06	427.87	NA	31.15	NA	396.72	0.00	396.72
RMW-11A (T 1/21/05)	N. Olive	01/11/06	429.70	NA	15.60	NA	414.10	0.00	414.10
		04/05/06	429.70	NA	15.49	NA	414.21	0.00	414.21
		07/07/06	429.70	NA	15.66	NA	414.04	0.00	414.04

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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[1] (ft)
RMW-11A		10/05/06	429.70	NA	15.77	NA	413.93	0.00	413.93
(T /21/05)									
RMW-11B	Permeable lens in	01/11/06	429.88	NA	23.36	NA	406.52	0.00	406.52
(T /21/05)	B/C Clay	04/05/06	429.88	NA	23.37	NA	406.51	0.00	406.51
		07/07/06	429.88	NA	23.42	NA	406.46	0.00	406.46
		10/05/06	429.88	NA	23.52	NA	406.36	0.00	406.36
RMW-11C	Main Sand	01/11/06	430.27	NA	31.36	NA	398.91	0.00	398.91
(T 1/21/05-8/19/05)		04/05/06	430.27	NA	32.19	NA	398.08	0.00	398.08
		07/07/06	430.27	32.20	32.49	398.07	397.78	0.29	398.01
		10/05/06	430.27	NA	33.38	NA	396.89	0.00	396.89
RMW-12A	N. Olive	01/11/06	432.43	NA	14.69	NA	417.74	0.00	417.74
		04/05/06	432.43	NA	14.59	NA	417.84	0.00	417.84
		07/07/06	432.43	NA	18.15	NA	414.28	0.00	414.28
		10/05/06	432.43	NA	17.01	NA	415.42	0.00	415.42
RMW-12B	Permeable lens in	01/11/06	432.57	NA	28.71	NA	403.86	0.00	403.86
	B/C Clay	04/05/06	432.57	NA	29.54	NA	403.03	0.00	403.03
		07/07/06	432.57	NA	29.41	NA	403.16	0.00	403.16
		10/05/06	432.57	NA	30.03	NA	402.54	0.00	402.54
RMW-12C	Main Sand	01/11/06	432.25	NA	33.07	NA	399.18	0.00	399.18
		04/05/06	432.25	NA	33.85	NA	398.40	0.00	398.40
		07/07/06	432.25	NA	34.04	NA	398.21	0.00	398.21
		10/05/06	432.25	NA	35.15	NA	397.10	0.00	397.10
RMW-13A	N. Olive	01/11/06	429.26	NA	9.40	NA	419.86	0.00	419.86
		04/05/06	429.26	NA	9.35	NA	419.91	0.00	419.91
		07/07/06	429.26	NA	10.28	NA	418.98	0.00	418.98
		10/05/06	429.26	NA	11.93	NA	417.33	0.00	417.33
RMW-13B	Permeable lens in	01/11/06	429.25	NA	21.44	NA	407.81	0.00	407.81
	B/C Clay	04/05/06	429.25	NA	22.37	NA	406.88	0.00	406.88
		07/07/06	429.25	NA	22.74	NA	406.51	0.00	406.51
		10/05/06	429.25	NA	23.46	NA	405.79	0.00	405.79
RMW-13C	Main Sand	01/11/06	429.06	NA	30.15	NA	398.91	0.00	398.91
		04/05/06	429.25	NA	30.93	NA	398.32	0.00	398.32
		07/07/06	429.25	NA	30.93	NA	398.32	0.00	398.32

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-13C		10/05/06	429.25	NA	32.14	NA	397.11	0.00	397.11
RMW-14A	N. Olive	01/11/06	433.12	NA	22.16	NA	410.96	0.00	410.96
		04/05/06	433.12	NA	22.47	NA	410.65	0.00	410.65
		07/07/06	433.12	NA	22.46	NA	410.66	0.00	410.66
		10/05/06	433.12	NA	22.47	NA	410.65	0.00	410.65
RMW-14B	Permeable lens in B/C Clay	01/11/06	433.14	NA	22.28	NA	410.86	0.00	410.86
		04/05/06	433.14	NA	22.65	NA	410.49	0.00	410.49
		07/07/06	433.14	NA	23.62	NA	409.52	0.00	409.52
		10/05/06	433.14	NA	24.46	NA	408.68	0.00	408.68
RMW-14C	EPA / Main	01/11/06	433.10	NA	34.82	NA	398.28	0.00	398.28
		04/05/06	433.10	NA	35.48	NA	397.62	0.00	397.62
		07/07/06	433.10	NA	35.37	NA	397.73	0.00	397.73
		10/05/06	433.10	NA	36.64	NA	396.46	0.00	396.46
RMW-15A	N. Olive	01/10/06	432.96	18.25	18.57	414.71	414.39	0.32	414.64
		04/04/06	432.96	17.75	17.87	415.21	415.09	0.12	415.18
		07/06/06	432.96	18.46	18.80	414.50	414.16	0.34	414.43
		10/04/06	432.96	19.50	19.85	413.46	413.11	0.35	413.38
RMW-15B	B/C Clay	01/10/06	432.96	NA	18.41	NA	414.55	0.00	414.55
		04/04/06	432.96	NA	17.97	NA	414.99	0.00	414.99
		07/06/06	432.96	NA	18.63	NA	414.33	0.00	414.33
		10/04/06	432.96	NA	19.63	NA	413.33	0.00	413.33
RMW-15C	EPA / Main	01/10/06	432.95	33.58	41.73	399.37	391.22	8.15	397.58
		04/04/06	432.95	Skimmer Pump in Well					
		07/06/06	432.95	Skimmer Pump in Well					
		10/04/06	432.95	Skimmer Pump in Well					
RMW-15D	Main Sand (Deep Nested Well)	01/10/06	432.77	NA	35.72	NA	397.05	0.00	397.05
		04/04/06	432.77	NA	36.24	NA	396.53	0.00	396.53
		07/06/06	432.77	NA	35.95	NA	396.82	0.00	396.82
		10/04/06	432.77	NA	36.95	NA	395.82	0.00	395.82
RMW-15E	Main Sand (Deep Nested Well)	01/10/06	432.80	NA	35.77	NA	397.03	0.00	397.03
		04/04/06	432.80	NA	36.27	NA	396.53	0.00	396.53
		07/06/06	432.80	NA	35.95	NA	396.85	0.00	396.85

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-15E		10/04/06	432.80	NA	36.97	NA	395.83	0.00	395.83
RMW-15F	Main Sand (Deep Nested Well)	01/10/06	432.36	NA	35.30	NA	397.06	0.00	397.06
		04/04/06	432.36	NA	35.84	NA	396.52	0.00	396.52
		07/06/06	432.36	NA	35.52	NA	396.84	0.00	396.84
		10/04/06	432.36	NA	36.59	NA	395.77	0.00	395.77
RMW-16A	Main Silt	01/11/06	430.07	NA	DRY	NA	--	0.00	--
		04/05/06	430.07	NA	DRY	NA	--	0.00	--
		07/07/06	430.07	NA	29.14	NA	400.93	0.00	400.93
		10/05/06	430.07	NA	29.13	NA	400.94	0.00	400.94
RMW-16B	Main Sand	01/11/06	430.12	NA	32.21	NA	397.91	0.00	397.91
		04/05/06	430.12	NA	32.32	NA	397.80	0.00	397.80
		07/07/06	430.12	NA	31.84	NA	398.28	0.00	398.28
		10/05/06	430.12	NA	33.40	NA	396.72	0.00	396.72
RMW-16C	Main Sand (Deep Nested Well)	01/11/06	430.15	NA	32.37	NA	397.78	0.00	397.78
		04/05/06	430.15	NA	32.42	NA	397.73	0.00	397.73
		07/07/06	430.15	NA	32.06	NA	398.09	0.00	398.09
		10/05/06	430.15	NA	33.62	NA	396.53	0.00	396.53
RMW-16D	Main Sand (Deep Nested Well)	01/11/06	430.13	NA	32.33	NA	397.80	0.00	397.80
		04/05/06	430.13	NA	32.44	NA	397.69	0.00	397.69
		07/07/06	430.13	NA	32.03	NA	398.10	0.00	398.10
		10/05/06	430.13	NA	33.59	NA	396.54	0.00	396.54
RMW-16E	Main Sand (Deep Nested Well)	01/11/06	430.12	NA	32.32	NA	397.80	0.00	397.80
		04/05/06	430.12	NA	32.40	NA	397.72	0.00	397.72
		07/07/06	430.12	NA	32.02	NA	398.10	0.00	398.10
		10/05/06	430.12	NA	33.56	NA	396.56	0.00	396.56
RMW-17A	Main Silt / Main Sand	01/11/06	431.80	NA	DRY	NA	--	0.00	--
		04/05/06	431.80	NA	DRY	NA	--	0.00	--
		07/07/06	431.80	NA	33.00	NA	398.80	0.00	398.80
		10/05/06	431.80	NA	DRY	NA	--	0.00	--
RMW-17B	Main Sand	01/11/06	431.79	NA	33.24	NA	398.55	0.00	398.55
		04/05/06	431.79	NA	33.57	NA	398.22	0.00	398.22
		07/07/06	431.79	NA	32.98	NA	398.81	0.00	398.81

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-17B		10/05/06	431.79	NA	34.58	NA	397.21	0.00	397.21
RMW-17C	Main Sand (Deep Nested Well)	01/11/06	431.51	NA	33.15	NA	398.36	0.00	398.36
		04/05/06	431.51	NA	33.27	NA	398.24	0.00	398.24
		07/07/06	431.51	NA	32.99	NA	398.52	0.00	398.52
		10/05/06	431.51	NA	34.50	NA	397.01	0.00	397.01
RMW-17D	Main Sand (Deep Nested Well)	01/11/06	431.56	NA	33.18	NA	398.38	0.00	398.38
		04/05/06	431.56	NA	33.28	NA	398.28	0.00	398.28
		07/07/06	431.56	NA	32.96	NA	398.60	0.00	398.60
		10/05/06	431.56	NA	34.49	NA	397.07	0.00	397.07
RMW-17E	Main Sand (Deep Nested Well)	01/11/06	431.61	NA	33.17	NA	398.44	0.00	398.44
		04/05/06	431.61	NA	32.25	NA	399.36	0.00	399.36
		07/07/06	431.61	NA	32.92	NA	398.69	0.00	398.69
		10/05/06	431.61	NA	34.48	NA	397.13	0.00	397.13
RMW-18A	Main Silt	01/11/06	429.54	NA	24.93	NA	404.61	0.00	404.61
		04/05/06	429.54	NA	25.08	NA	404.46	0.00	404.46
		07/07/06	429.54	NA	25.08	NA	404.46	0.00	404.46
		10/05/06	429.54	NA	25.11	NA	404.43	0.00	404.43
RMW-18B	Main Silt / Main Sand	01/11/06	429.42	NA	30.96	NA	398.46	0.00	398.46
		04/05/06	429.42	NA	31.72	NA	397.70	0.00	397.70
		07/07/06	429.42	NA	31.45	NA	397.97	0.00	397.97
		10/05/06	429.42	NA	32.93	NA	396.49	0.00	396.49
RMW-19A	Main Silt	01/11/06	431.33	NA	32.08	NA	399.25	0.00	399.25
		04/05/06	431.33	NA	32.30	NA	399.03	0.00	399.03
		07/07/06	431.33	NA	32.07	NA	399.26	0.00	399.26
		10/05/06	431.33	NA	32.62	NA	398.71	0.00	398.71
RMW-19B	Main Silt / Main Sand	01/11/06	431.71	NA	31.76	NA	399.95	0.00	399.95
		04/05/06	431.71	NA	32.64	NA	399.07	0.00	399.07
		07/07/06	431.71	NA	32.46	NA	399.25	0.00	399.25
		10/05/06	431.71	NA	33.88	NA	397.83	0.00	397.83
RMW-20A	Main Silt	01/11/06	431.56	30.54	32.41	401.02	399.15	1.87	400.61
		04/05/06	431.56	Skimmer Pump in Well					
		07/07/06	431.56	Skimmer Pump in Well					

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Premcor Facility

1190505040 -- Madison County -- ILR000128249
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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[1] (ft)
RMW-20A		10/05/06	431.56	32.10	32.48	399.46	399.08	0.38	399.38
RMW-20B	Main Sand	01/11/06	431.56	30.53	35.78	401.03	395.78	5.25	399.88
		04/05/06	431.56	31.27	35.87	400.29	395.69	4.60	399.28
		07/07/06	431.56	31.23	35.33	400.33	396.23	4.10	399.43
		10/05/06	431.56	Skimmer Pump in Well					
RMW-21A	Main Silt	01/11/06	432.16	NA	29.59	NA	402.57	0.00	402.57
		04/05/06	432.16	NA	29.81	NA	402.35	0.00	402.35
		07/07/06	432.16	NA	29.83	NA	402.33	0.00	402.33
		10/05/06	432.16	NA	29.85	NA	402.31	0.00	402.31
RMW-21B	Main Silt / Main Sand	01/11/06	432.09	31.04	34.59	401.05	397.50	3.55	400.27
		04/05/06	432.09	31.72	34.82	400.37	397.27	3.10	399.69
		07/07/06	432.09	31.60	34.38	400.49	397.71	2.78	399.88
		10/05/06	432.09	32.83	36.36	399.26	395.73	3.53	398.48
RMW-21C	Main Sand (Deep Nested Well)	01/11/06	429.05	NA	28.87	NA	400.18	0.00	400.18
		04/05/06	429.05	NA	29.49	NA	399.56	0.00	399.56
		07/07/06	429.05	NA	29.25	NA	399.80	0.00	399.80
		10/05/06	429.05	NA	30.63	NA	398.42	0.00	398.42
RMW-21D	Main Sand (Deep Nested Well)	01/11/06	428.73	NA	28.56	NA	400.17	0.00	400.17
		04/05/06	428.73	NA	29.16	NA	399.57	0.00	399.57
		07/07/06	428.73	NA	28.96	NA	399.77	0.00	399.77
		10/05/06	428.73	NA	30.31	NA	398.42	0.00	398.42
RMW-21E	Main Sand (Deep Nested Well)	01/11/06	428.30	NA	28.11	NA	400.19	0.00	400.19
		04/05/06	428.30	NA	28.72	NA	399.58	0.00	399.58
		07/07/06	428.30	NA	28.50	NA	399.80	0.00	399.80
		10/05/06	428.30	NA	29.77	NA	398.53	0.00	398.53
RMW-22A	Main Silt	01/11/06	430.84	NA	29.12	NA	401.72	0.00	401.72
		04/05/06	430.84	NA	DRY	NA	--	0.00	--
		07/07/06	430.84	NA	DRY	NA	--	0.00	--
		10/05/06	430.84	NA	DRY	NA	--	0.00	--
RMW-22B	Main Silt / Main Sand	01/11/06	430.76	NA	30.83	NA	399.93	0.00	399.93
		04/05/06	430.76	NA	31.26	NA	399.50	0.00	399.50
		07/07/06	430.76	NA	31.00	NA	399.76	0.00	399.76
		10/05/06	430.76	NA	32.45	NA	398.31	0.00	398.31

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-23A (T 1/7/05)	Main Silt / Main Sand	01/11/06	430.45	NA	29.93	NA	400.52	0.00	400.52
		04/05/06	430.45	29.67	32.36	400.78	398.09	2.69	400.19
		07/07/06	430.45	29.69	31.80	400.76	398.65	2.11	400.30
		10/05/06	430.45	30.86	34.28	399.59	396.17	3.42	398.84
RMW-24A	N. Olive	01/10/06	433.30	NA	22.45	NA	410.85	0.00	410.85
		04/04/06	433.30	NA	22.43	NA	410.87	0.00	410.87
		07/06/06	433.30	NA	22.44	NA	410.86	0.00	410.86
		10/04/06	433.30	NA	22.48	NA	410.82	0.00	410.82
RMW-24B	Permeable lens in B/C Clay	01/10/06	433.28	NA	28.99	NA	404.29	0.00	404.29
		04/04/06	433.28	NA	29.04	NA	404.24	0.00	404.24
		07/06/06	433.28	NA	28.84	NA	404.44	0.00	404.44
		10/04/06	433.28	NA	29.11	NA	404.17	0.00	404.17
RMW-24C (T 11/19/04-5/19/05)	EPA / Main	01/10/06	433.28	36.08	36.13	397.20	397.15	0.05	397.19
		04/04/06	433.28	36.73	36.81	396.55	396.47	0.08	396.53
		07/06/06	433.28	35.77	38.45	397.51	394.83	2.68	396.92
		10/04/06	433.28	37.60	38.03	395.68	395.25	0.43	395.59
RMW-24D	Main Sand (below D Clay & LNAPL)	01/10/06	433.43	NA	36.92	NA	396.51	0.00	396.51
		04/04/06	433.43	NA	37.05	NA	396.38	0.00	396.38
		07/06/06	433.43	NA	36.53	NA	396.90	0.00	396.90
		10/04/06	433.43	NA	37.95	NA	395.48	0.00	395.48
RMW-25A (T 2/27/05)	EPA	01/10/06	433.51	NA	35.84	NA	397.67	0.00	397.67
		04/04/06	433.51	NA	36.55	NA	396.96	0.00	396.96
		07/06/06	433.51	NA	35.81	NA	397.70	0.00	397.70
		10/04/06	433.51	NA	37.25	NA	396.26	0.00	396.26
RMW-25B (T 11/19/04)	Main Sand (below D Clay)	01/10/06	433.58	NA	37.25	NA	396.33	0.00	396.33
		04/04/06	433.58	NA	37.32	NA	396.26	0.00	396.26
		07/06/06	433.58	36.63	36.91	396.95	396.67	0.28	396.89
		10/04/06	433.58	NA	37.99	NA	395.59	0.00	395.59
RMW-26A	N. Olive	01/10/06	432.69	NA	DRY	NA	--	0.00	--
		04/04/06	432.69	NA	DRY	NA	--	0.00	--
		07/06/06	432.69	NA	DRY	NA	--	0.00	--
		10/04/06	432.69	NA	DRY	NA	--	0.00	--
RMW-26B	Permeable lens in B/C Clay	01/10/06	433.01	NA	26.04	NA	406.97	0.00	406.97
		04/04/06	433.01	NA	26.03	NA	406.98	0.00	406.98

TABLE 4
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Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-26B		07/06/06	433.01	NA	26.77	NA	406.24	0.00	406.24
		10/04/06	433.01	NA	26.78	NA	406.23	0.00	406.23
RMW-26C	EPA	01/10/06	432.79	NA	34.78	NA	398.01	0.00	398.01
(T 2/27/05)		04/04/06	432.79	NA	35.51	NA	397.28	0.00	397.28
		07/06/06	432.79	NA	34.88	NA	397.91	0.00	397.91
		10/04/06	432.79	NA	36.28	NA	396.51	0.00	396.51
RMW-26D	Main Sand	01/10/06	432.43	NA	36.02	NA	396.41	0.00	396.41
(T 11/19/04)	(below D Clay)	04/04/06	432.43	NA	36.15	NA	396.28	0.00	396.28
		07/06/06	432.43	NA	35.52	NA	396.91	0.00	396.91
		10/04/06	432.43	NA	36.91	NA	395.52	0.00	395.52
RMW-27A	Main Silt	01/10/06	429.81	NA	25.15	NA	404.66	0.00	404.66
		04/04/06	429.81	NA	25.14	NA	404.67	0.00	404.67
		07/06/06	429.81	NA	25.15	NA	404.66	0.00	404.66
		10/04/06	429.81	NA	25.19	NA	404.62	0.00	404.62
RMW-27B	Main Silt /	01/10/06	429.81	NA	31.29	NA	398.52	0.00	398.52
	Main Sand	04/04/06	429.81	NA	31.55	NA	398.26	0.00	398.26
		07/06/06	429.81	NA	31.25	NA	398.56	0.00	398.56
		10/04/06	429.81	NA	32.40	NA	397.41	0.00	397.41
RMW-28A	N. Olive	01/10/06	432.42	NA	27.25	NA	405.17	0.00	405.17
		04/04/06	432.42	NA	27.25	NA	405.17	0.00	405.17
		07/06/06	432.42	NA	27.26	NA	405.16	0.00	405.16
		10/04/06	432.42	NA	27.27	NA	405.15	0.00	405.15
RMW-28B	EPA	01/10/06	432.42	34.36	42.36	398.06	390.06	8.00	396.30
		04/04/06	432.42	Skimmer Pump in Well					
		07/06/06	432.42	Skimmer Pump in Well					
		10/04/06	432.42	Skimmer Pump in Well					
RMW-28C	Main Sand	01/10/06	432.54	NA	36.69	NA	395.85	0.00	395.85
(T 1/7/05)	(below D Clay)	04/04/06	432.54	NA	36.09	NA	396.45	0.00	396.45
		07/06/06	432.54	NA	35.91	NA	396.63	0.00	396.63
		10/04/06	432.54	NA	37.17	NA	395.37	0.00	395.37
RMW-29A	Main Silt	01/10/06	432.65	NA	35.57	NA	397.08	0.00	397.08
		04/04/06	432.65	NA	36.14	NA	396.51	0.00	396.51
		07/06/06	432.65	NA	35.59	NA	397.06	0.00	397.06

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-29A		10/04/06	432.65	NA	36.88	NA	395.77	0.00	395.77
RMW-30A	Main Silt	01/10/06	428.96	NA	25.54	NA	403.42	0.00	403.42
		04/04/06	428.96	NA	25.32	NA	403.64	0.00	403.64
		07/06/06	428.96	NA	25.32	NA	403.64	0.00	403.64
		10/04/06	428.96	NA	25.33	NA	403.63	0.00	403.63
RMW-30B	Main Silt / Main Sand	01/10/06	428.89	NA	32.10	NA	396.79	0.00	396.79
		04/04/06	428.89	NA	32.71	NA	396.18	0.00	396.18
		07/06/06	428.89	NA	32.33	NA	396.56	0.00	396.56
		10/04/06	428.89	NA	33.69	NA	395.20	0.00	395.20
RMW-31A	Main Silt	01/10/06	433.26	NA	28.55	NA	404.71	0.00	404.71
		04/04/06	433.26	NA	DRY	NA	--	0.00	--
		07/06/06	433.26	NA	DRY	NA	--	0.00	--
		10/04/06	433.26	NA	DRY	NA	--	0.00	--
RMW-31B	Main Silt / Main Sand	01/10/06	433.35	35.74	38.71	397.61	394.64	2.97	396.96
		04/04/06	433.35	Recovery Pump in Wel					
		07/06/06	433.35	Recovery Pump in Wel					
		10/04/06	433.35	38.22	41.32	395.13	392.03	3.10	394.45
RMW-31C	Main Sand (Deep Nested Well)	01/10/06	433.05	NA	36.03	NA	397.02	0.00	397.02
		04/04/06	433.05	NA	37.80	NA	395.25	0.00	395.25
		07/06/06	433.05	NA	37.10	NA	395.95	0.00	395.95
		10/04/06	433.05	NA	38.41	NA	394.64	0.00	394.64
RMW-31D	Main Sand (Deep Nested Well)	01/10/06	432.96	NA	35.93	NA	397.03	0.00	397.03
		04/04/06	432.96	NA	37.87	NA	395.09	0.00	395.09
		07/06/06	432.96	NA	36.79	NA	396.17	0.00	396.17
		10/04/06	432.96	NA	38.32	NA	394.64	0.00	394.64
RMW-31E	Main Sand (Deep Nested Well)	01/10/06	432.86	NA	35.91	NA	396.95	0.00	396.95
		04/04/06	432.86	NA	38.19	NA	394.67	0.00	394.67
		07/06/06	432.86	NA	36.87	NA	395.99	0.00	395.99
		10/04/06	432.86	NA	38.77	NA	394.09	0.00	394.09
RMW-32A	Main Silt	01/10/60	429.52	NA	21.72	NA	407.80	0.00	407.80
		04/04/06	429.52	NA	21.71	NA	407.81	0.00	407.81
		07/06/06	429.52	NA	21.72	NA	407.80	0.00	407.80

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RMW-32A		10/04/05	429.52	NA	21.67	NA	407.85	0.00	407.85
RMW-32B	Main Silt / Main Sand	01/10/06	429.37	32.08	32.90	397.29	396.47	0.82	397.11
		04/04/06	429.37	33.89	34.49	395.48	394.88	0.60	395.35
		07/06/06	429.37	33.33	35.15	396.04	394.22	1.82	395.64
		10/04/06	429.37	34.29	36.93	395.08	392.44	2.64	394.50
RMW-33A	N. Olive	01/10/06	434.59	NA	22.92	NA	411.67	0.00	411.67
		04/04/06	434.59	NA	22.80	NA	411.79	0.00	411.79
		07/06/06	434.59	NA	22.93	NA	411.66	0.00	411.66
		10/04/06	434.59	NA	22.93	NA	411.66	0.00	411.66
RMW-33B	Permeable lens in B/C Clay	01/10/06	434.51	NA	25.86	NA	408.65	0.00	408.65
		04/04/06	434.51	NA	23.40	NA	411.11	0.00	411.11
		07/06/06	434.51	NA	26.40	NA	408.11	0.00	408.11
		10/04/06	434.51	NA	26.92	NA	407.59	0.00	407.59
RMW-33C	EPA	01/10/06	434.59	NA	37.13	NA	397.46	0.00	397.46
		04/04/06	434.59	NA	37.76	NA	396.83	0.00	396.83
		07/06/06	434.59	NA	37.29	NA	397.30	0.00	397.30
		10/04/06	434.59	NA	38.75	NA	395.84	0.00	395.84
RMW-33D (T 1/27/05)	Main Sand (below D Clay)	01/10/06	434.64	NA	38.09	NA	396.55	0.00	396.55
		04/04/06	434.64	NA	38.40	NA	396.24	0.00	396.24
		07/06/06	434.64	NA	37.95	NA	396.69	0.00	396.69
		10/04/06	434.64	NA	40.00	NA	394.64	0.00	394.64
RMW-34A	N. Olive	01/10/06	432.24	NA	18.40	NA	413.84	0.00	413.84
		04/04/06	432.24	NA	17.45	NA	414.79	0.00	414.79
		07/06/06	432.24	NA	19.62	NA	412.62	0.00	412.62
		10/04/06	432.24	NA	20.62	NA	411.62	0.00	411.62
RMW-34B (T 1/7/05)	EPA	01/10/06	432.04	NA	33.69	NA	398.35	0.00	398.35
		04/04/06	432.04	NA	34.63	NA	397.41	0.00	397.41
		07/06/06	432.04	NA	33.97	NA	398.07	0.00	398.07
		10/04/06	431.81	NA	35.13	NA	396.68	0.00	396.68
RMW-34C (T 1/7/05)	Main Sand (below D Clay)	01/10/06	432.16	NA	35.32	NA	396.84	0.00	396.84
		04/04/06	432.16	NA	35.73	NA	396.43	0.00	396.43
		07/06/06	432.16	NA	35.18	NA	396.98	0.00	396.98

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Premcor Facility

1190505040 -- Madison County -- ILR000128249
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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[1] (ft)
RMW-34C		10/04/06	431.95	NA	36.22	NA	395.73	0.00	395.73
(T 1/7/05)									
RMW-35A	N. Olive	01/10/06	431.99	NA	18.44	NA	413.55	0.00	413.55
		04/04/06	431.99	NA	17.16	NA	414.83	0.00	414.83
		07/06/06	431.99	20.03	20.06	411.96	411.93	0.03	411.95
		10/04/06	431.99	21.17	21.33	410.82	410.66	0.16	410.78
RMW-35B	EPA	01/11/06	432.32	NA	32.26	NA	400.06	0.00	400.06
		04/04/06	432.32	NA	32.38	NA	399.94	0.00	399.94
		07/06/06	432.32	NA	32.66	NA	399.66	0.00	399.66
		10/04/06	432.32	NA	34.19	NA	398.13	0.00	398.13
RMW-35C	Main Sand (below D Clay)	01/10/06	432.06	NA	35.04	NA	397.02	0.00	397.02
		04/04/06	432.06	NA	35.54	NA	396.52	0.00	396.52
		07/06/06	432.06	NA	35.11	NA	396.95	0.00	396.95
		10/04/06	432.06	NA	36.35	NA	395.71	0.00	395.71
RMW-35D	Main Sand (Deep Nested Well)	01/10/06	431.64	NA	34.65	NA	396.99	0.00	396.99
		04/04/06	431.64	NA	35.05	NA	396.59	0.00	396.59
		07/06/06	431.70	NA	34.68	NA	397.02	0.00	397.02
		10/04/06	431.70	NA	35.87	NA	395.83	0.00	395.83
RMW-35E	Main Sand (Deep Nested Well)	01/10/06	432.38	NA	34.78	NA	397.60	0.00	397.60
		04/04/06	432.38	NA	35.17	NA	397.21	0.00	397.21
		07/06/06	431.82	NA	34.74	NA	397.08	0.00	397.08
		10/04/06	431.82	NA	35.99	NA	395.83	0.00	395.83
RMW-35F	Main Sand (Deep Nested Well)	01/10/06	432.29	NA	35.26	NA	397.03	0.00	397.03
		04/04/06	432.29	NA	35.72	NA	396.57	0.00	396.57
		07/06/06	432.35	NA	35.23	NA	397.12	0.00	397.12
		10/04/06	432.35	NA	36.46	NA	395.89	0.00	395.89
RMW-36A	N. Olive	01/10/06	431.57	NA	20.27	NA	411.30	0.00	411.30
		04/04/06	431.57	NA	20.27	NA	411.30	0.00	411.30
		07/06/06	431.57	NA	20.27	NA	411.30	0.00	411.30
		10/04/06	431.57	NA	DRY	NA	--	0.00	--
RMW-36B	EPA	01/10/06	431.37	NA	32.19	NA	399.18	0.00	399.18
		04/04/06	431.37	NA	32.59	NA	398.78	0.00	398.78
		07/06/06	431.37	NA	32.60	NA	398.77	0.00	398.77

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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[1] (ft)
RMW-36B		10/04/06	431.37	NA	33.94	NA	397.43	0.00	397.43
RMW-36C	Main Sand (below D Clay)	01/10/06	431.67	NA	34.38	NA	397.29	0.00	397.29
		04/04/06	431.67	NA	34.98	NA	396.69	0.00	396.69
		07/06/06	431.67	NA	34.53	NA	397.14	0.00	397.14
		10/04/06	431.67	NA	35.73	NA	395.94	0.00	395.94
RMW-36D	Main Sand (Deep Nested Well)	01/10/06	431.12	NA	33.78	NA	397.34	0.00	397.34
		04/04/06	431.12	NA	34.40	NA	396.72	0.00	396.72
		07/06/06	431.12	NA	33.95	NA	397.17	0.00	397.17
		10/04/06	431.12	NA	35.15	NA	395.97	0.00	395.97
RMW-36E	Main Sand (Deep Nested Well)	01/10/06	431.02	NA	33.64	NA	397.38	0.00	397.38
		04/04/06	431.02	NA	34.20	NA	396.82	0.00	396.82
		07/06/06	431.02	NA	33.82	NA	397.20	0.00	397.20
		10/04/06	431.02	NA	35.01	NA	396.01	0.00	396.01
RMW-36F	Main Sand (Deep Nested Well)	01/10/06	431.19	NA	33.82	NA	397.37	0.00	397.37
		04/04/06	431.19	NA	34.38	NA	396.81	0.00	396.81
		07/06/06	431.19	NA	33.99	NA	397.20	0.00	397.20
		10/04/06	431.19	NA	35.18	NA	396.01	0.00	396.01
RMW-37A	Main Silt	01/10/06	433.60	NA	30.17	NA	403.43	0.00	403.43
		04/04/06	433.60	NA	30.12	NA	403.48	0.00	403.48
		07/06/06	433.60	NA	30.13	NA	403.47	0.00	403.47
		10/04/06	431.40	NA	27.91	NA	403.49	0.00	403.49
RMW-37B	Main Silt / Main Sand	01/10/06	434.25	NA	37.31	NA	396.94	0.00	396.94
		04/04/06	434.25	NA	37.26	NA	396.99	0.00	396.99
		07/06/06	434.25	NA	36.77	NA	397.48	0.00	397.48
		10/04/06	431.50	NA	35.42	NA	396.08	0.00	396.08
RMW-38A (T 12/5/04-1/6/05)	Main Sand (below D Clay)	01/10/06	433.00	34.88	47.13	398.12	385.87	12.25	395.43
		04/04/06	433.00	Skimmer Pump in Well					
		07/06/06	433.00	Skimmer Pump in Well					
		10/04/06	433.00	Skimmer Pump in Well					
RMW-39A	Main Silt	01/11/06	431.06	NA	17.98	NA	413.08	0.00	413.08
		04/05/06	431.06	NA	17.93	NA	413.13	0.00	413.13
		07/07/06	431.06	NA	17.95	NA	413.11	0.00	413.11

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RMW-39A		10/05/06	431.06	NA	17.99	NA	413.07	0.00	413.07
RMW-39B	Main Silt / Main Sand	01/11/06	431.29	NA	28.70	NA	402.59	0.00	402.59
		04/05/06	431.29	NA	28.62	NA	402.67	0.00	402.67
		07/07/06	431.29	NA	28.62	NA	402.67	0.00	402.67
		10/05/06	431.29	NA	DRY	NA	--	0.00	--
RMW-39C	Main Sand	01/11/06	431.27	NA	32.45	NA	398.82	0.00	398.82
		04/05/06	431.27	NA	33.30	NA	397.97	0.00	397.97
		07/07/06	431.27	NA	33.39	NA	397.88	0.00	397.88
		10/05/06	431.27	NA	34.49	NA	396.78	0.00	396.78
RMW-40 (T 2/27/05)	EPA	01/10/06	432.41	NA	34.62	NA	397.79	0.00	397.79
		04/04/06	432.41	NA	35.30	NA	397.11	0.00	397.11
		07/06/06	432.41	NA	34.63	NA	397.78	0.00	397.78
		10/04/06	432.41	NA	36.10	NA	396.31	0.00	396.31
RMW-41A	Main Sand (Deep Nested Well)	01/10/06	434.03	NA	37.68	NA	396.35	0.00	396.35
		04/04/06	434.03	NA	37.95	NA	396.08	0.00	396.08
		07/06/06	434.03	NA	36.70	NA	397.33	0.00	397.33
		10/04/06	434.03	NA	39.78	NA	394.25	0.00	394.25
RMW-41B	Main Sand (Deep Nested Well)	01/10/06	433.97	NA	37.59	NA	396.38	0.00	396.38
		04/04/06	433.97	NA	37.86	NA	396.11	0.00	396.11
		07/06/06	433.97	NA	37.50	NA	396.47	0.00	396.47
		10/04/06	433.97	NA	38.89	NA	395.08	0.00	395.08
RMW-41C	Main Sand (Deep Nested Well)	01/10/06	434.05	NA	37.59	NA	396.46	0.00	396.46
		04/04/06	434.05	NA	37.86	NA	396.19	0.00	396.19
		07/06/06	434.05	NA	37.52	NA	396.53	0.00	396.53
		10/04/06	434.05	NA	38.85	NA	395.20	0.00	395.20
RMW-42A	N. Olive	01/10/06	431.76	NA	21.38	NA	410.38	0.00	410.38
		04/04/06	431.76	NA	21.42	NA	410.34	0.00	410.34
		07/06/06	431.76	NA	21.81	NA	409.95	0.00	409.95
		10/04/06	431.76	NA	21.81	NA	409.95	0.00	409.95
RMW-42B	EPA	01/10/06	432.01	NA	35.06	NA	396.95	0.00	396.95
		04/04/06	432.01	H2A Unit Present					
		07/06/06	432.01	NA	34.58	NA	397.43	0.00	397.43

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RMW-42B		10/04/06	432.01	NA	35.89	NA	396.12	0.00	396.12
RMW-42C	Main Sand (below D Clay)	01/10/06	431.98	NA	35.56	NA	396.42	0.00	396.42
		04/04/06	431.98	NA	35.48	NA	396.50	0.00	396.50
		07/06/06	431.98	NA	34.97	NA	397.01	0.00	397.01
		10/04/06	431.98	NA	36.31	NA	395.67	0.00	395.67
RMW-43A	Main Sand (Deep Nested Well)	01/11/06	433.74	NA	34.12	NA	399.62	0.00	399.62
		04/05/06	433.74	NA	34.15	NA	399.59	0.00	399.59
		07/07/06	433.74	NA	33.98	NA	399.76	0.00	399.76
		10/05/06	433.74	NA	35.50	NA	398.24	0.00	398.24
RMW-43B	Main Sand (Deep Nested Well)	01/11/06	433.25	NA	33.60	NA	399.65	0.00	399.65
		04/05/06	433.25	NA	33.64	NA	399.61	0.00	399.61
		07/07/06	433.25	NA	33.48	NA	399.77	0.00	399.77
		10/05/06	433.25	NA	35.00	NA	398.25	0.00	398.25
RMW-43C	Main Sand (Deep Nested Well)	01/11/06	432.67	NA	33.04	NA	399.63	0.00	399.63
		04/05/06	432.67	NA	33.08	NA	399.59	0.00	399.59
		07/07/06	432.67	NA	32.92	NA	399.75	0.00	399.75
		10/05/06	432.67	NA	34.43	NA	398.24	0.00	398.24
RMW-44A	Main Sand (Deep Nested Well)	01/11/06	431.24	NA	33.16	NA	398.08	0.00	398.08
		04/05/06	431.24	NA	33.84	NA	397.40	0.00	397.40
		07/07/06	431.24	NA	33.93	NA	397.31	0.00	397.31
		10/05/06	431.24	NA	35.00	NA	396.24	0.00	396.24
RMW-44B	Main Sand (Deep Nested Well)	01/11/06	431.16	NA	33.06	NA	398.10	0.00	398.10
		04/05/06	431.16	NA	33.73	NA	397.43	0.00	397.43
		07/07/06	431.16	NA	33.85	NA	397.31	0.00	397.31
		10/05/06	431.16	NA	34.90	NA	396.26	0.00	396.26
RMW-44C	Main Sand (Deep Nested Well)	01/11/06	430.95	NA	32.79	NA	398.16	0.00	398.16
		04/05/06	430.95	NA	33.54	NA	397.41	0.00	397.41
		07/07/06	430.95	NA	33.58	NA	397.37	0.00	397.37
		10/05/06	430.95	NA	34.63	NA	396.32	0.00	396.32
RMW-45A	N. Olive	01/10/06	430.84	NA	16.70	NA	414.14	0.00	414.14
		04/04/06	430.84	NA	16.69	NA	414.15	0.00	414.15
		07/06/06	430.84	NA	16.87	NA	413.97	0.00	413.97

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-45A		10/04/06	430.84	NA	16.90	NA	413.94	0.00	413.94
RMW-45B	Main Sand	01/10/06	430.80	33.53	36.21	397.27	394.59	2.68	396.68
		04/04/06	430.80	33.72	36.03	397.08	394.77	2.31	396.57
		07/06/06	430.80	33.28	35.10	397.52	395.70	1.82	397.12
		10/04/06	430.80	Skimmer Pump in Well					
RMW-45C	Main Sand (below LNAPL)	01/10/06	430.75	NA	34.18	NA	396.57	0.00	396.57
		04/04/06	430.75	NA	34.26	NA	396.49	0.00	396.49
		07/06/06	430.75	NA	33.75	NA	397.00	0.00	397.00
		10/04/06	430.75	NA	35.85	NA	394.90	0.00	394.90
RMW-46A	N. Olive	01/10/06	428.79	NA	14.69	NA	414.10	0.00	414.10
		04/04/06	428.79	NA	14.70	NA	414.09	0.00	414.09
		07/06/06	428.79	NA	14.70	NA	414.09	0.00	414.09
		10/04/06	428.79	NA	14.73	NA	414.06	0.00	414.06
RMW-46B	EPA	01/10/06	429.07	NA	31.47	NA	397.60	0.00	397.60
		04/04/06	429.07	NA	32.01	NA	397.06	0.00	397.06
		07/06/06	429.07	NA	31.18	NA	397.89	0.00	397.89
		10/04/06	429.07	NA	32.55	NA	396.52	0.00	396.52
RMW-46C	Main Sand (below D Clay)	01/10/06	428.98	NA	32.49	NA	396.49	0.00	396.49
		04/04/06	428.98	NA	32.53	NA	396.45	0.00	396.45
		07/06/06	428.98	NA	32.98	NA	396.00	0.00	396.00
		10/04/06	428.98	NA	33.35	NA	395.63	0.00	395.63
RMW-47A	N. Olive	01/10/06	433.82	NA	22.13	NA	411.69	0.00	411.69
		04/04/06	433.82	NA	22.12	NA	411.70	0.00	411.70
		07/06/06	433.82	NA	22.12	NA	411.70	0.00	411.70
		10/04/06	433.82	NA	22.16	NA	411.66	0.00	411.66
RMW-47B	EPA	01/10/06	433.50	NA	36.74	NA	396.76	0.00	396.76
		04/04/06	433.50	NA	37.13	NA	396.37	0.00	396.37
		07/06/06	433.50	36.44	37.50	397.06	396.00	1.06	396.83
		10/04/06	433.50	37.86	39.12	395.64	394.38	1.26	395.36
RMW-47C	Main Sand (below D Clay)	01/10/06	433.51	NA	36.94	NA	396.57	0.00	396.57
		04/04/06	433.48	NA	37.19	NA	396.29	0.00	396.29
		07/06/06	433.48	NA	36.78	NA	396.70	0.00	396.70

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RM N-47C		10/04/06	433.48	NA	38.84	NA	394.64	0.00	394.64
RM N-48A	N. Olive	01/10/06	433.82	NA	17.51	NA	416.31	0.00	416.31
		04/04/06	433.82	NA	17.54	NA	416.28	0.00	416.28
		07/06/06	433.82	NA	17.54	NA	416.28	0.00	416.28
		10/04/06	433.82	NA	17.57	NA	416.25	0.00	416.25
RM N-48B	Main Sand	01/10/06	434.16	37.00	39.98	397.16	394.18	2.98	396.50
		04/04/06	434.16	37.20	39.71	396.96	394.45	2.51	396.41
		07/06/06	434.16	36.70	39.45	397.46	394.71	2.75	396.86
		10/04/06	434.16	38.06	41.21	396.10	392.95	3.15	395.41
RM N-49A	N. Olive	01/10/06	429.86	NA	16.71	NA	413.15	0.00	413.15
		04/04/06	429.86	NA	16.06	NA	413.80	0.00	413.80
		07/06/06	429.86	NA	16.16	NA	413.70	0.00	413.70
		10/04/06	429.86	NA	16.17	NA	413.69	0.00	413.69
RM N-49B	Main Sand	01/10/06	429.96	32.72	35.76	397.24	394.20	3.04	396.57
		04/04/06	429.96	32.92	35.14	397.04	394.82	2.22	396.55
		07/06/06	429.96	32.34	34.59	397.62	395.37	2.25	397.13
		10/04/06	429.96	Skimmer Pump in Well					
RM N-50A	Main Silt / Main Sand	01/11/06	431.82	NA	33.03	NA	398.79	0.00	398.79
		04/05/06	431.82	NA	33.38	NA	398.44	0.00	398.44
		07/07/06	431.82	NA	32.87	NA	398.95	0.00	398.95
		10/05/06	431.82	NA	34.41	NA	397.41	0.00	397.41
RM N-50B	Main Sand (Deep Nested Well)	01/11/06	431.66	NA	33.02	NA	398.64	0.00	398.64
		04/05/06	431.66	NA	33.25	NA	398.41	0.00	398.41
		07/07/06	431.66	NA	32.93	NA	398.73	0.00	398.73
		10/05/06	431.66	NA	34.40	NA	397.26	0.00	397.26
RM N-50C	Main Sand (Deep Nested Well)	01/11/06	431.64	NA	32.99	NA	398.65	0.00	398.65
		04/05/06	431.64	NA	33.23	NA	398.41	0.00	398.41
		07/07/06	431.64	NA	32.91	NA	398.73	0.00	398.73
		10/05/06	431.64	NA	34.38	NA	397.26	0.00	397.26
RM N-50D	Main Sand (Deep Nested Well)	01/11/06	431.60	NA	32.86	NA	398.74	0.00	398.74
		04/05/06	431.60	NA	33.10	NA	398.50	0.00	398.50
		07/07/06	431.60	NA	32.79	NA	398.81	0.00	398.81

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-50D		10/05/06	431.60	NA	34.28	NA	397.32	0.00	397.32
RMW-51A	Main Sand	01/11/06	428.59	NA	29.15	NA	399.44	0.00	399.44
		04/05/06	428.59	NA	29.69	NA	398.90	0.00	398.90
		07/07/06	428.59	NA	28.97	NA	399.62	0.00	399.62
		10/05/06	428.59	NA	30.58	NA	398.01	0.00	398.01
RMW-51B	Main Sand (Deep Nested Well)	01/11/06	428.42	NA	29.30	NA	399.12	0.00	399.12
		04/05/06	428.42	NA	29.41	NA	399.01	0.00	399.01
		07/07/06	428.42	NA	29.15	NA	399.27	0.00	399.27
		10/05/06	428.42	NA	30.66	NA	397.76	0.00	397.76
RMW-51C	Main Sand (Deep Nested Well)	01/11/06	428.70	NA	29.57	NA	399.13	0.00	399.13
		04/05/06	428.70	NA	29.69	NA	399.01	0.00	399.01
		07/07/06	428.70	NA	29.43	NA	399.27	0.00	399.27
		10/05/06	428.70	NA	30.93	NA	397.77	0.00	397.77
RMW-51D	Main Sand (Deep Nested Well)	01/11/06	428.20	NA	29.07	NA	399.13	0.00	399.13
		04/05/06	428.20	NA	29.20	NA	399.00	0.00	399.00
		07/07/06	428.20	NA	28.95	NA	399.25	0.00	399.25
		10/05/06	428.20	NA	30.46	NA	397.74	0.00	397.74
RMW-52A	Main Sand	01/11/06	432.37	NA	32.20	NA	400.17	0.00	400.17
		04/05/06	432.37	NA	32.34	NA	400.03	0.00	400.03
		07/07/06	432.37	NA	32.11	NA	400.26	0.00	400.26
		10/05/06	432.37	NA	33.67	NA	398.70	0.00	398.70
RMW-52B	Main Sand (Deep Nested Well)	01/11/06	432.30	NA	32.27	NA	400.03	0.00	400.03
		04/05/06	432.30	NA	32.25	NA	400.05	0.00	400.05
		07/07/06	432.30	NA	32.14	NA	400.16	0.00	400.16
		10/05/06	432.30	NA	33.66	NA	398.64	0.00	398.64
RMW-52C	Main Sand (Deep Nested Well)	01/11/06	432.26	NA	32.19	NA	400.07	0.00	400.07
		04/05/06	432.26	NA	32.19	NA	400.07	0.00	400.07
		07/07/06	432.26	NA	32.06	NA	400.20	0.00	400.20
		10/05/06	432.26	NA	33.59	NA	398.67	0.00	398.67
RMW-52D	Main Sand (Deep Nested Well)	01/11/06	432.21	NA	32.15	NA	400.06	0.00	400.06
		04/05/06	432.21	NA	32.14	NA	400.07	0.00	400.07
		07/07/06	432.21	NA	32.02	NA	400.19	0.00	400.19

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-52D		10/05/06	432.21	NA	33.52	NA	398.69	0.00	398.69
RMW-53A	Main Sand (Deep Nested Well)	01/11/06	433.55	NA	33.11	NA	400.44	0.00	400.44
		04/05/06	433.55	NA	33.09	NA	400.46	0.00	400.46
		07/07/06	433.55	NA	33.02	NA	400.53	0.00	400.53
		10/05/06	433.55	NA	34.49	NA	399.06	0.00	399.06
RMW-53B	Main Sand (Deep Nested Well)	01/11/06	433.46	NA	33.05	NA	400.41	0.00	400.41
		04/05/06	433.46	NA	32.97	NA	400.49	0.00	400.49
		07/07/06	433.46	NA	32.91	NA	400.55	0.00	400.55
		10/05/06	433.46	NA	34.39	NA	399.07	0.00	399.07
RMW-53C	Main Sand (Deep Nested Well)	01/11/06	433.46	NA	33.03	NA	400.43	0.00	400.43
		04/05/06	433.46	NA	32.97	NA	400.49	0.00	400.49
		07/07/06	433.46	NA	32.89	NA	400.57	0.00	400.57
		10/05/06	433.46	NA	34.37	NA	399.09	0.00	399.09
RMW-54A	Main Sand (Deep Nested Well)	01/11/06	431.80	NA	31.08	NA	400.72	0.00	400.72
		04/05/06	431.80	NA	31.23	NA	400.57	0.00	400.57
		07/07/06	431.80	NA	31.09	NA	400.71	0.00	400.71
		10/05/06	431.80	NA	32.54	NA	399.26	0.00	399.26
RMW-54B	Main Sand (Deep Nested Well)	01/11/06	431.70	NA	30.89	NA	400.81	0.00	400.81
		04/05/06	431.70	NA	31.12	NA	400.58	0.00	400.58
		07/07/06	431.70	NA	30.98	NA	400.72	0.00	400.72
		10/05/06	431.70	NA	32.44	NA	399.26	0.00	399.26
RMW-54C	Main Sand (Deep Nested Well)	01/11/06	431.59	NA	30.82	NA	400.77	0.00	400.77
		04/05/06	431.59	NA	31.00	NA	400.59	0.00	400.59
		07/07/06	431.59	NA	30.86	NA	400.73	0.00	400.73
		10/05/06	431.59	NA	32.33	NA	399.26	0.00	399.26
RMW-55A	Main Sand (Deep Nested Well)	01/11/06	429.86	NA	28.88	NA	400.98	0.00	400.98
		04/05/06	429.86	NA	29.24	NA	400.62	0.00	400.62
		07/07/06	429.86	NA	29.07	NA	400.79	0.00	400.79
		10/05/06	429.86	NA	30.50	NA	399.36	0.00	399.36
RMW-55B	Main Sand (Deep Nested Well)	01/11/06	429.99	NA	29.06	NA	400.93	0.00	400.93
		04/05/06	429.99	NA	29.37	NA	400.62	0.00	400.62
		07/07/06	429.99	NA	29.20	NA	400.79	0.00	400.79

TABLE 4

SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS

Premcor Facility

1190505040 -- Madison County -- ILR000128249

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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[1] (ft)
RMW-55B		10/05/06	429.99	NA	30.62	NA	399.37	0.00	399.37
RMW-55C	Main Sand (Deep Nested Well)	01/11/06	430.06	NA	29.13	NA	400.93	0.00	400.93
		04/05/06	430.06	NA	29.44	NA	400.62	0.00	400.62
		07/07/06	430.06	NA	29.27	NA	400.79	0.00	400.79
		10/05/06	430.06	NA	30.42	NA	399.64	0.00	399.64
RMW-56A	EPA	01/10/06	434.71	38.76	39.12	395.95	395.59	0.36	395.87
		04/04/06	434.71	38.85	41.71	395.86	393.00	2.86	395.23
		07/06/06	434.71	39.12	41.82	395.59	392.89	2.70	395.00
		10/04/06	434.71	40.46	41.50	394.25	393.21	1.04	394.02
RMW-56B	Main Sand (below D Clay)	01/10/06	434.61	NA	38.77	NA	395.84	0.00	395.84
		04/04/06	434.61	NA	39.19	NA	395.42	0.00	395.42
		07/06/06	434.61	NA	39.64	NA	394.97	0.00	394.97
		10/04/06	434.61	NA	40.51	NA	394.10	0.00	394.10
RMW-57A	EPA	07/06/06	434.23	37.12	39.88	397.11	394.35	2.76	396.50
		10/04/06	434.23	38.53	40.90	395.70	393.33	2.37	395.18
RMW-57B	Main Sand (below D Clay)	07/06/06	434.19	NA	37.58	NA	396.61	0.00	396.61
		10/04/06	434.19	NA	38.99	NA	395.20	0.00	395.20
RMW-58A	EPA	04/04/06	430.93	31.68	35.10	399.25	395.83	3.42	398.50
		07/06/06	430.93	31.45	34.73	399.48	396.20	3.28	398.76
		10/04/06	430.93	33.32	35.75	397.61	395.18	2.43	397.08
RMW-58B	Main Sand (below D Clay)	04/04/06	430.98	33.93	34.32	397.05	396.66	0.39	396.96
		07/06/06	430.98	33.68	34.07	397.30	396.91	0.39	397.21
		10/04/06	430.98	34.90	35.29	396.08	395.69	0.39	395.99
RMW-59A	EPA	04/04/06	430.83	32.81	34.66	398.02	396.17	1.85	397.61
		07/06/06	430.83	32.04	34.52	398.79	396.31	2.48	398.24
		10/04/06	430.83	33.16	35.68	397.65	395.15	2.50	397.10
RMW-59B	Main Sand (below D Clay)	04/04/06	430.97	NA	34.02	NA	396.95	0.00	396.95
		07/06/06	430.97	NA	33.75	NA	397.22	0.00	397.22
		10/04/06	430.97	NA	34.97	NA	396.00	0.00	396.00
RMW-60A	N. Olive	04/04/06	430.79	NA	17.70	NA	413.09	0.00	413.09
		07/06/06	430.79	NA	17.70	NA	413.09	0.00	413.09

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Premcor Facility

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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[1] (ft)
RMW-60A		10/04/06	430.79	NA	17.73	NA	413.06	0.00	413.06
RMW-60B	EPA	04/04/06	430.78	31.48	35.07	399.30	395.71	3.59	398.51
		07/06/06	430.78	31.25	34.74	399.53	396.04	3.49	398.76
		10/04/06	430.78	32.58	35.69	398.20	395.09	3.11	397.52
RMW-60C	Main Sand (below D Clay)	04/04/06	430.78	33.52	35.01	397.26	395.77	1.49	396.93
		07/06/06	430.78	33.02	35.56	397.76	395.22	2.54	397.20
		10/04/06	430.78	33.87	35.13	396.91	395.65	1.26	396.63
RMW-61A	EPA	04/04/06	429.91	31.59	33.49	398.32	396.42	1.90	397.90
		07/06/06	429.91	31.20	33.08	398.71	396.83	1.88	398.30
		10/04/06	429.91	32.19	34.55	397.72	395.36	2.36	397.20
RMW-61B	Main Sand (below D Clay)	04/04/06	429.71	NA	32.22	NA	397.49	0.00	397.49
		07/06/06	429.71	NA	32.82	NA	396.89	0.00	396.89
		10/04/06	429.71	NA	34.25	NA	395.46	0.00	395.46
RMW-62A	EPA	04/04/06	429.70	31.23	33.71	398.47	395.99	2.48	397.92
		07/06/06	429.70	30.50	33.78	399.20	395.92	3.28	398.48
		10/04/06	429.70	32.04	34.00	397.66	395.70	1.96	397.23
RMW-62B	Main Sand (below D Clay)	04/04/06	429.52	NA	33.00	NA	396.52	0.00	396.52
		07/06/06	429.52	NA	32.60	NA	396.92	0.00	396.92
		10/04/06	429.52	NA	33.96	NA	395.56	0.00	395.56
RMW-63A	N. Olive	04/04/06	429.75	NA	13.20	NA	416.55	0.00	416.55
		07/06/06	429.75	NA	14.46	NA	415.29	0.00	415.29
		10/04/06	429.75	NA	15.68	NA	414.07	0.00	414.07
RMW-63B	EPA	04/04/06	429.63	NA	31.73	NA	397.90	0.00	397.90
		07/06/06	429.63	NA	30.77	NA	398.86	0.00	398.86
		10/04/06	429.63	NA	32.38	NA	397.25	0.00	397.25
RMW-63C	Main Sand (below D Clay)	04/04/06	429.53	NA	32.92	NA	396.61	0.00	396.61
		07/06/06	429.53	NA	32.56	NA	396.97	0.00	396.97
		10/04/06	429.53	NA	33.84	NA	395.69	0.00	395.69
RMW-64A	A Clay		433.52	--	--	--	--	--	--

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-64B	EPA	07/06/06	433.52	36.21	37.35	397.31	396.17	1.14	397.06
		10/04/06	433.52	37.51	39.18	396.01	394.34	1.67	395.64
RMW-64C	Main Sand (below D Clay)	07/06/06	433.61	NA	36.80	NA	396.81	0.00	396.81
		10/04/06	433.61	NA	38.89	NA	394.72	0.00	394.72
RMW-65A	Main Silt	10/05/06	433.79	NA	30.00	NA	403.79	0.00	403.79
RMW-65B	Main Sand	10/05/06	433.90	NA	37.40	NA	396.50	0.00	396.50
RMW-65C	Main Sand (Deep Nested Well)	10/05/06	433.80	NA	37.34	NA	396.46	0.00	396.46
RMW-65D	Main Sand (Deep Nested Well)	10/05/06	433.70	NA	37.21	NA	396.49	0.00	396.49
RMW-65E	Main Sand (Deep Nested Well)	10/05/06	433.78	NA	37.27	NA	396.51	0.00	396.51
RMW-66A	Main Silt	10/05/06	430.15	NA	DRY	NA	--	0.00	--
RMW-66B	Main Sand	10/05/06	430.09	NA	33.49	NA	396.60	0.00	396.60
RMW-66C	Main Sand (Deep Nested Well)	10/05/06	430.19	NA	33.58	NA	396.61	0.00	396.61
RMW-66D	Main Sand (Deep Nested Well)	10/05/06	429.89	NA	33.28	NA	396.61	0.00	396.61
RMW-66E	Main Sand (Deep Nested Well)	10/05/06	429.99	NA	33.35	NA	396.64	0.00	396.64
RMW-67A	Main Silt	10/05/06	430.99	NA	DRY	NA	--	0.00	--
RMW-67B	Main Sand	10/05/06	431.12	NA	34.43	NA	396.69	0.00	396.69
RMW-67C	Main Sand (Deep Nested Well)	10/05/06	430.94	NA	34.22	NA	396.72	0.00	396.72
RMW-68A	N. Clive	10/05/06	432.70	NA	18.63	NA	414.07	0.00	414.07
RMW-68B	Permeable lens in E/C Clay	10/05/06	432.92	NA	29.64	NA	403.28	0.00	403.28
RMW-68C	EPA	10/05/06	432.76	NA	35.20	NA	397.56	0.00	397.56
RMW-68D	Main Sand (below D Clay)	10/05/06	432.63	NA	36.25	NA	396.38	0.00	396.38

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-68E	Main Sand (Deep Nested Well)	10/05/06	432.51	NA	36.09	NA	396.42	0.00	396.42
RMW-68F	Main Sand (Deep Nested Well)	10/05/06	432.51	NA	36.07	NA	396.44	0.00	396.44
RMW-68G	Main Sand (Deep Nested Well)	10/05/06	432.46	NA	36.03	NA	396.43	0.00	396.43
RMW-69A	N. Olive	10/05/06	432.35	NA	16.44	NA	415.91	0.00	415.91
RMW-69B	EPA	10/05/06	432.41	NA	34.49	NA	397.92	0.00	397.92
RMW-69C	Main Sand (below D Clay)	10/05/06	432.41	NA	35.21	NA	397.20	0.00	397.20
RMW-69D	Main Sand (Deep Nested Well)	10/05/06	432.43	NA	35.18	NA	397.25	0.00	397.25
RMW-69E	Main Sand (Deep Nested Well)	10/05/06	432.56	NA	35.30	NA	397.26	0.00	397.26
RMW-69F	Main Sand (Deep Nested Well)	10/05/06	432.69	NA	35.42	NA	397.27	0.00	397.27
RMW-70A	Permeable lense (possible NO)	10/05/06	432.21	NA	20.06	NA	412.15	0.00	412.15
RMW-70B	Main Silt	10/05/06	432.30	NA	24.12	NA	408.18	0.00	408.18
RMW-70C	Main Sand	10/05/06	432.24	NA	34.62	NA	397.62	0.00	397.62
RMW-70D	Main Sand (Deep Nested Well)	10/05/06	432.07	NA	34.43	NA	397.64	0.00	397.64
RMW-70E	Main Sand (Deep Nested Well)	10/05/06	428.64	NA	30.98	NA	397.66	0.00	397.66
RMW-70F	Main Sand (Deep Nested Well)	10/05/06	428.83	NA	31.23	NA	397.60	0.00	397.60
RMW-71A	Main Sand (Deep Nested Well)	10/05/06	428.94	NA	29.55	NA	399.39	0.00	399.39
RMW-71B	Main Sand (Deep Nested Well)	10/05/06	428.76	NA	29.35	NA	399.41	0.00	399.41
RMW-71C	Main Sand (Deep Nested Well)	10/05/06	428.71	NA	29.25	NA	399.46	0.00	399.46
RMW-72A	N. Olive	10/04/06	429.26	NA	DRY	NA	--	0.00	--
RMW-72B	EPA	10/04/06	429.30	32.29	36.65	397.01	392.65	4.36	396.05

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
RMW-72C	Main Sand (below D Clay)	10/04/06	429.36	NA	33.91	NA	395.45	0.00	395.45
RMW-73A	N. Olive	10/04/06	430.15	NA	DRY	NA	--	0.00	--
RMW-73B	EPA	10/04/06	430.12	NA	33.54	NA	396.58	0.00	396.58
RMW-73C	Main Sand (below D Clay)	10/04/06	430.16	NA	35.20	NA	394.96	0.00	394.96
RMW-74	N. Olive	10/04/06	433.84	NA	20.57	NA	413.27	0.00	413.27
RMW-75	N. Olive	10/04/06	432.57	NA	21.35	NA	411.22	0.00	411.22
RMW-76	N. Olive	10/04/06	432.34	NA	20.61	NA	411.73	0.00	411.73
RMW-77	N. Olive	10/04/06	429.61	NA	DRY	NA	--	0.00	--
RMW-78	N. Olive	10/04/06	429.41	NA	DRY	NA	--	0.00	--
RMW-79	N. Olive	10/04/06	429.60	NA	DRY	NA	--	0.00	--
RMW-93A	N. Olive	10/04/06	429.19	NA	DRY	NA	--	0.00	--
RMW-93B	EPA	10/04/06	429.18	32.68	36.36	396.50	392.82	3.68	395.69
RMW-94A	N. Olive	10/04/06	429.61	NA	19.48	NA	410.13	0.00	410.13
RMW-94B	Main Sand	10/04/06	429.56	33.14	36.22	396.42	393.34	3.08	395.74
RMW-95	Main Sand	10/04/06	429.68	33.36	36.17	396.32	393.51	2.81	395.70
RMW-96	Main Sand	10/04/06	429.68	33.37	36.26	396.31	393.42	2.89	395.67
RMW-97	Main Sand	10/04/06	429.83	33.46	36.54	396.37	393.29	3.08	395.69
RPW-01	EPA / Main	07/06/06	427.70	Recovery Pump in Well					
		10/05/06	431.44	45.83	49.79	385.61	381.65	3.96	384.74

TABLE 4

SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS

Premcor Facility

1190505040 -- Madison County -- ILR000128249

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[1] (ft)
SVE-1S	N. Olive	01/10/06	431.11	NA	25.39	NA	405.72	0.00	405.72
		04/04/06	431.11	NA	25.22	NA	405.89	0.00	405.89
		07/06/06	431.11	--	--	--	--	--	--
		10/04/06	431.11	--	--	--	--	--	--
SVE-1D*	EPA	01/10/06	430.66	34.20	35.82	396.46	394.84	1.62	396.10
		04/04/06	430.66	34.31	38.25	396.35	392.41	3.94	395.48
		07/06/06	431.11	--	--	--	--	--	--
		10/04/06	431.11	--	--	--	--	--	--
T-1*	Main	01/11/06	431.44	30.31	33.45	401.13	397.99	3.14	400.44
		04/05/06	431.44	Skimmer Pump in Well					
		07/07/06	431.44	Skimmer Pump in Well					
		10/05/06	431.44	Skimmer Pump in Well					
TH2-88 @P[illegible] Well	Main	01/11/06	430.88	NA	31.85	NA	399.03	0.00	399.03
		04/05/06	430.88	NA	32.59	NA	398.29	0.00	398.29
		07/07/06	430.88	NA	32.54	NA	398.34	0.00	398.34
		10/05/06	430.88	NA	33.81	NA	397.07	0.00	397.07
River Dock North Staff Gauge	NA	01/11/06	--	NA	0.42	NA	--	0.00	--
		04/04/06	--	NA	0.62	NA	--	0.00	--
		07/07/06	--	NA	0.00	NA	--	0.00	--
		10/05/06	--	NA	0.00	NA	--	0.00	--
River Dock South Staff Gauge	NA	01/11/06	--	NA	0.20	NA	--	0.00	--
		04/04/06	--	NA	NA	NA	--	0.00	--
		07/07/06	--	--	--	--	--	--	--
		10/05/06	--	Gauge Removed					
Fire Pond Staff Gauge	NA	01/11/06	442.21	NA	7.29	NA	434.92	0.00	434.92
		04/04/06	442.21	NA	7.11	NA	435.10	0.00	435.10
		07/07/06	442.21	--	--	--	--	--	--
		10/04/06	442.21	NA	7.35	NA	434.86	0.00	434.86
Guard Basin Staff Gauge	NA	01/11/06	432.10	NA	14.57	NA	417.53	0.00	417.53
		04/05/06	432.10	NA	19.08	NA	413.02	0.00	413.02
		07/06/06	432.10	NA	20.26	NA	411.84	0.00	411.84

TABLE 4
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Premcor Facility

1190505040 -- Madison County -- ILR000128249
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[1] (ft)
Guard Basin Staff Gauge		10/05/06	432.10	NA	19.18	NA	412.92	0.00	412.92

NOTES:
NA = Not Applicable
-- = No data
(T xx/xx/xxxx) = Date transducer installed in well, however, data may be from miniTROLL or manual gauging.
[1] Piezometric surface elevation = [(A)-(C)]+S.G.[(C)-(B)]
SG = Specific gravity of hydrocarbon determined to be an average of 0.78 on the Premcor facility for data recorded during and after 9/03.

MP- and SVE-series installed by Clayton in 6/03. MP-series installed as vacuum monitoring probes. SVE-series installed as soil vapor extraction wells. MP- and SVE-series not appropriate for determining groundwater flow.
RMW-series installed by Clayton.
Remaining wells installed by others. P-6N, E & S series wells immediately surround Production Well P-6.
TOC elevations surveyed to USGS datum by CMT.
Stratums qualified with a ? are currently under review.
Top of casing elevation changes present in the table indicate that the associated wells have been re-surveyed.

TABLE 5
COMPOUND/ANALYTE LIST FOR WATER SAMPLES - Inorganics
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, Illinois

PARAMETER	PREPARATION METHOD		ANALYTICAL METHOD		COMPOUND	METHOD DETECTION LIMIT * (mg/L)	PRACTICAL QUANTITATION LIMIT * (mg/L)	ACCEPTABLE DETECTION LIMIT ** (mg/L)
	Source	Method No.	Source	Method No.				
Metals								
	SW-846	3020A	SW-846	7041	Antimony	0.0017	0.005	0.006
	SW-846	3020A	SW-846	7060A	Arsenic	0.0007	0.003	0.05
	SW-846	3005A	SW-846	6010	Barium	0.0024	0.005	2
	SW-846	3005A	SW-846	6010	Beryllium	0.003	0.001	0.004
	SW-846	3005A	SW-846	6010	Cadmium	0.0003	0.002	0.005
	SW-846	3005A	SW-846	6010	Chromium-Total	0.004	0.01	0.1
	SW-846	3005A	SW-846	6010	Cobalt	0.0022	0.01	1
	SW-846	3005A	SW-846	6010	Iron	0.007	0.02	5
	SW-846	3020A	SW-846	7421	Lead	0.0004	0.002	0.0075
	--	--	SW-846	7470	Mercury	0.00005	0.0002	0.002
	SW-846	3005A	SW-846	6010	Nickel	0.0033	0.01	0.1
	SW-846	3020A	SW-846	7740	Selenium	0.0035	0.006	0.05
	SW-846	3005A	SW-846	6010	Silver	0.0032	0.01	0.05
	SW-846	3005A	SW-846	6010	Vanadium	0.0032	0.01	0.049
	SW-846	3005A	SW-846	6010	Zinc	0.0021	0.01	5
General								
	--	--	Standard Method	M2320B	Alkalinity, Total (as, Ca, CO_3)	0	0	NA
	--	--	EPA Method	E350.1	Ammonia as N	0.04	0.1	NA
	--	--	SW-846	9251.0	Chloride	0.5	1	200
	--	--	Standard Method	M5220D	COD	7.3	20	NA
	--	--	SW-846	9012A	Cyanide Total	0.0026	0.007	0.2
	--	--	Standard Method	M2340C	Hardness (as, Ca, CO_3)	3	5	NA
	--	--	EPA Method	E353.2	Nitrate as N	0.004	0.01	10.0
	--	--	EPA Method	E353.2	Nitrate-Nitrite	0.004	0.01	NA
	--	--	EPA Method	E353.2	Nitrite as N	0.004	0.01	NA
	--	--	EPA Method	E365.4	Phosphorus as P	0.02	0.03	NA
	--	--	EPA Method	E365.4 (D)	Phosphorus, Dissolved as P	0.02	0.03	NA
	--	--	SW-846	9036.0	Sulfate	1.5	5	400
	--	--	Standard Method	M4500SD	Sulfide	0.013	0.50	NA
	--	--	Standard Method	M2540C	Total Dissolved Solids	10	20	NA
	--	--	EPA Method	E415.1	Total Organic Carbon	0.5	1	NA
	--	--	Standard Method	M2540D	Total Suspended Solids	5	6	NA

NOTES:
mg/L = Milligrams per liter NA = Not available
-- = Not applicable * Method detection limit and practical quantitation limit as identified by Teklab, Inc. (Ottensmeier, 2004).
** Acceptable detection limit is the IPCB TACO Tier 1 Groundwater Remediation Objective for Class I Groundwater.
E365.2 and E365.2 (D) remain acceptable methods for phosphorus analysis.

TABLE 6
SAMPLE CONTAINER, PRESERVATION, AND HOLDING TIME REQUIREMENTS FOR WATER SAMPLES
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, Illinois

PARAMETER	ANALYSIS	HOLDING TIME	CONTAINER	PRESERVATION
Organics	BETX and MTBE	14 days	3-40 ml VOC vials	HCl to pH < 2, no headspace Maintained at 4 +/- 2 degrees Celcius
Metals	Inorganic Metals	180 days	500 ml plastic jar	HNO_3 to pH<2 Maintained at 4 +/- 2 degrees Celcius
	Mercury	28 days		
General	Alkalinity	14 days	1 L plastic jar	Maintained at 4 +/- 2 degrees Celcius
	Chloride	28 days		
	Sulfate	28 days		
	Hardness	7 days		
	Nitrite	48 hours		
	Total Dissolved Solids (TDS)	7 days		
	Total Suspended Solids (TSS)	7 days		
	Total Cyanide	14 days	250 ml plastic jar	NaOH to pH>12 Maintained at 4 +/- 2 degrees Celcius
	Chemical Oxygen Demand (COD)	28 days	500 ml plastic jar	H2SO4 to pH<2 Maintained at 4 +/- 2 degrees Celcius
	Ammonia, Total	28 days		
	Phosphorus, Total	28 days		
	Nitrate +/- Nitrite	28 days		
	Phosphorus, Dissolved	28 days	125 ml plastic	H2SO4 to pH<2 Maintained at 4 +/- 2 degrees Celcius
	Total Organic Carbon (TOC)	28 days	125 ml plastic	H2SO4 to pH<2 Maintained at 4 +/- 2 degrees Celcius
	Sulfide, Total	7 days	250 ml plastic jar	NaOH and ZnAcetate to pH>9 Maintained at 4 +/- 2 degrees Celcius

Table 7
Summary of Groundwater Analytical Results
BETX and MTBE
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

SITE	DATE	RESULT TYPE	SAMPLE ID	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene (total) (ug/l)	Methyl tert-butyl ether (ug/l)
COMPARISON VALUE				5	700	1000	10000	70
HMW-38C	10/10/2006	Prim	HMW-38C/06101	4510	442	63.4	1240	<20.0
HMW-39B	10/10/2006	Prim	HMW-39B/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-39C	10/11/2006	Prim	HMW-39C/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-40C	10/10/2006	Prim	HMW-40C/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-40C	10/10/2006	Dup 1	DUP-002/061010	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-43C	10/10/2006	Prim	HMW-43C/06101	67.3	2.3J	1.7J	3.4J	<2.0
HMW-43C	10/10/2006	Dup 1	DUP-001/061010	57.2	1.9J	1.5J	2.9J	<2.0
HMW-44D	10/11/2006	Prim	HMW-44D/06101	2220	4.2J	11.2	17.2	<2.0
HMW-47B	10/10/2006	Prim	HMW-47B/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-48D	10/10/2006	Prim	HMW-48D/06101	7750	9.6	21.7	13.1	4.0
HMW-49C	10/11/2006	Prim	HMW-49C/06101	267	3740	6350	9640	818
HMW-49D	10/10/2006	Prim	HMW-49D/06101	108	2.6J	6.9	10.5	46.6
HMW-49D	10/10/2006	Dup 1	DUP-003/061010	109	2.4J	7.6	10.9	37.0
HMW-50A	10/10/2006	Prim	HMW-50A/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-50B	10/10/2006	Prim	HMW-50B/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-50C	10/09/2006	Prim	HMW-50C/06100	77.8	<5.0	4.7J	6.7	3.8
HMW-52C	10/10/2006	Prim	HMW-52C/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-53C	10/11/2006	Prim	HMW-53C/06101	207	1.2J	14.6	3.3J	<2.0
HMW-54C	10/12/2006	Prim	HMW-54C/06101	<2.0	<5.0	<5.0	<5.0	<2.0

See Notes at the End of Table

Table 7
Summary of Groundwater Analytical Results
BETX and MTBE
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

SITE	DATE	RESULT TYPE	SAMPLE ID	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene (total) (ug/l)	Methyl tert-butyl ether (ug/l)
COMPARISON VALUE				5	700	1000	10000	70
MP-59A	10/11/2006	Prim	MP-59A/061011	0.5J	<5.0	<5.0	1.5J	<2.0
MP-78D	10/12/2006	Prim	MP-78D/061012	**15800**	**2600**	**26700**	**10700**	**<1000**
MP-81C	10/11/2006	Prim	MP-81C/061011	<2.0	<5.0	<5.0	<5.0	<2.0
MP-83C	10/12/2006	Prim	MP-83C/061012	**8020**	**1960**	**18000**	8520	**<400**
MP-85B	10/10/2006	Prim	MP-85B/061010	<2.0	<5.0	<5.0	<5.0	<2.0
MP-85D	10/11/2006	Prim	MP-85D/061011	**3970**	5.5	9.9	21.6	**146**
MP-89C	10/11/2006	Prim	MP-89C/061011	<2.0	<5.0	<5.0	<5.0	<2.0
MP-92D	10/11/2006	Prim	MP-92D/061011	<2.0	<5.0	<5.0	<5.0	<2.0

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-38C HMW-38C/061010 10/10/2006 Primary	HMW-39B HMW-39B/061010 10/10/2006 Primary	HMW-39C HMW-39C/061011 10/11/2006 Primary	HMW-40C HMW-40C/061010 10/10/2006 Primary	HMW-40C DUP-002/061010 10/10/2006 Duplicate 1
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0982	0.0008J	<0.0030	0.362	0.130
Arsenic (Dissolved)	(mg/l)	0.05	0.0956	<0.0030	<0.0030	0.0253	0.0236
Barium	(mg/l)	2	0.269	0.313	0.330	1.05	0.784
Barium (Dissolved)	(mg/l)	2	0.256	0.181	0.328	0.706	0.675
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	0.0078J	<0.0100	0.0071J	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	0.0065J	0.0049J	<0.0100	0.0058J	0.0054J
Cobalt	(mg/l)	1	0.0032J	0.0025J	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Iron	(mg/l)	5	35.2	6.49	4.26	80.3	35.6
Iron (Dissolved)	(mg/l)	5	33.8	0.0099J	3.96	7.34	7.26
Lead	(mg/l)	0.0075	0.0037	0.0048	<0.0020	0.0020	0.0006J
Lead (Dissolved)	(mg/l)	0.0075	0.0023	0.0008J	<0.0020	0.0013J	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-38C HMW-38C/061010 10/10/2006 Primary	HMW-39B HMW-39B/061010 10/10/2006 Primary	HMW-39C HMW-39C/061011 10/11/2006 Primary	HMW-40C HMW-40C/061010 10/10/2006 Primary	HMW-40C DUP-002/061010 10/10/2006 Duplicate 1
Nickel	(mg/l)	0.1	<0.0100	0.0052J	<0.0100	0.0042J	<0.0100
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	0.0421	0.0166
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	0.0038J
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0099J	0.0094J	0.0060J	<0.0100	0.0094J
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	0.0155	<0.0100	<0.0100	<0.0100
Zinc	(mg/l)	5	<0.0100	0.0694	<0.0100	0.0335	0.0124
Zinc (Dissolved)	(mg/l)	5	<0.0100	0.0170	<0.0100	<0.0100	<0.0100

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-43C HMW-43C/061010 10/10/2006 Primary	HMW-43C DUP-001/061010 10/10/2006 Duplicate 1	HMW-44D HMW-44D/061011 10/11/2006 Primary	HMW-47B HMW-47B/061010 10/10/2006 Primary	HMW-48D HMW-48D/061010 10/10/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	0.0023J	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0247	0.0351	<0.0030	0.0078	0.0023J
Arsenic (Dissolved)	(mg/l)	0.05	0.0233	0.0195	<0.0030	0.0041	<0.0030
Barium	(mg/l)	2	0.190	0.191	0.588	0.318	0.352
Barium (Dissolved)	(mg/l)	2	0.178	0.180	0.564	0.253	0.338
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	0.0015J	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	0.0041J
Chromium (Dissolved)	(mg/l)	0.1	0.0058J	0.0057J	<0.0100	<0.0100	0.0061J
Cobalt	(mg/l)	1	<0.0100	0.0027J	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	<0.0100	0.0027J	<0.0100
Iron	(mg/l)	5	10.7	10.7	13.7	4.18	27.0
Iron (Dissolved)	(mg/l)	5	10.4S	9.94	13.8	1.15	24.3
Lead	(mg/l)	0.0075	0.0020J	0.0007J	<0.0020	0.0010J	0.0031
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	<0.0020	<0.0020	0.0009J
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0058J	0.0052J	<0.0100	<0.0100	<0.0100

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-43C HMW-43C/061010 10/10/2006 Primary	HMW-43C DUP-001/061010 10/10/2006 Duplicate 1	HMW-44D HMW-44D/061011 10/11/2006 Primary	HMW-47B HMW-47B/061010 10/10/2006 Primary	HMW-48D HMW-48D/061010 10/10/2006 Primary
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	0.0035J	<0.0100	<0.0100	<0.0100
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	<0.0100	<0.0100	0.0063J	0.0043J	<0.0100
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	<0.0100	<0.0100	0.0064J
Zinc	(mg/l)	5	<0.0100	0.145	<0.0100	0.169	0.0200
Zinc (Dissolved)	(mg/l)	5	<0.0100	<0.0100	<0.0100	0.0060J	0.0283

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-49C HMW-49C/061011 10/11/2006 Primary	HMW-49D HMW-49D/061010 10/10/2006 Primary	HMW-49D DUP-003/061010 10/10/2006 Duplicate 1	HMW-50A HMW-50A/061010 10/10/2006 Primary	HMW-50B HMW-50B/061010 10/10/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0067	<0.0030	<0.0030	<0.0030	<0.0030
Arsenic (Dissolved)	(mg/l)	0.05	0.0050	<0.0030	<0.0030	<0.0030	<0.0030
Barium	(mg/l)	2	0.342	0.351	0.323	0.0580	0.215
Barium (Dissolved)	(mg/l)	2	0.317	0.298	0.304	0.0504	0.193
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	0.0040J	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	0.0058J	0.0067J	0.0066J	0.0047J	0.0050J
Cobalt	(mg/l)	1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Iron	(mg/l)	5	**19.4**	**30.4**	**29.2**	0.731	4.74
Iron (Dissolved)	(mg/l)	5	**17.3**	**27.8**	**27.7**	<0.0200	3.02
Lead	(mg/l)	0.0075	**0.0197**	0.0045	0.0018J	<0.0020	<0.0020
Lead (Dissolved)	(mg/l)	0.0075	**0.0162**	0.0009J	<0.0020	0.0012J	0.0011J
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-49C HMW-49C/061011 10/11/2006 Primary	HMW-49D HMW-49D/061010 10/10/2006 Primary	HMW-49D DUP-003/061010 10/10/2006 Duplicate 1	HMW-50A HMW-50A/061010 10/10/2006 Primary	HMW-50B HMW-50B/061010 10/10/2006 Primary
Nickel	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	0.0048J	<0.0100
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060S
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0035J	0.0077J	0.0077J	<0.0100	<0.0100
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	<0.0100	<0.0100	0.0086J
Zinc	(mg/l)	5	0.0347	0.0521	0.0294	<0.0100	<0.0100
Zinc (Dissolved)	(mg/l)	5	0.0029J	<0.0100	<0.0100	<0.0100	<0.0100

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50C HMW-50C/061009 10/09/2006 Primary	HMW-52C HMW-52C/061010 10/10/2006 Primary	HMW-53C HMW-53C/061011 10/11/2006 Primary	HMW-54C HMW-54C/061012 10/12/2006 Primary	MP-59A MP-59A/061011 10/11/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	<0.0030	0.0021J	0.0011J	<0.0030	0.0025J
Arsenic (Dissolved)	(mg/l)	0.05	<0.0030	0.0015J	<0.0030	<0.0030	0.0014J
Barium	(mg/l)	2	0.256	0.384	0.400	0.464	0.0466
Barium (Dissolved)	(mg/l)	2	0.247	0.358	0.382	0.492	0.0282
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	0.0003J	0.0009J
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	0.0057J	0.0063J	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	<0.0100	0.0023J	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	<0.0100	<0.0100	0.0039J
Iron	(mg/l)	5	2.63	16.1	8.47	8.37	2.29
Iron (Dissolved)	(mg/l)	5	0.184	14.3	6.76	7.22	0.011J
Lead	(mg/l)	0.0075	0.0006J	0.0068	0.0013J	0.0007J	0.0036
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	0.0029	<0.0020	<0.0020	0.0006J
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	0.0089J

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50C HMW-50C/061009 10/09/2006 Primary	HMW-52C HMW-52C/061010 10/10/2006 Primary	HMW-53C HMW-53C/061011 10/11/2006 Primary	HMW-54C HMW-54C/061012 10/12/2006 Primary	MP-59A MP-59A/061011 10/11/2006 Primary
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	0.0040J
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	<0.0100	0.0062J	0.0039J	0.0072J	0.0035J
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	<0.0100	0.0059J	0.0059J
Zinc	(mg/l)	5	0.0093J	0.0661	0.0122	0.0040J	0.0516
Zinc (Dissolved)	(mg/l)	5	<0.0100	0.0303	0.0050J	<0.0100	0.0040J

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-78D MP-78D/061012 10/12/2006 Primary	MP-81C MP-81C/061011 10/11/2006 Primary	MP-83C MP-83C/061012 10/12/2006 Primary	MP-85B MP-85B/061010 10/10/2006 Primary	MP-85D MP-85D/061011 10/11/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0191	0.0013J	0.0045	0.124	<0.0030
Arsenic (Dissolved)	(mg/l)	0.05	0.0144	<0.0030	0.0053	0.126S	<0.0030
Barium	(mg/l)	2	0.190	0.0697	0.464	0.562	0.386
Barium (Dissolved)	(mg/l)	2	0.191	0.0649	0.496	0.396	0.351
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	0.0006J	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	0.0004J	<0.0020	<0.0020	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	0.0205	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	0.0054J	<0.0100	0.0062J	<0.0100
Cobalt	(mg/l)	1	<0.0100	0.0075J	<0.0100	0.0084J	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	0.0087J	0.0026J	<0.0100	<0.0100
Iron	(mg/l)	5	21.4S	0.0313	20.8	56.8	16.7
Iron (Dissolved)	(mg/l)	5	20.6	0.805	20.9	37.2S	15.9
Lead	(mg/l)	0.0075	0.0023	<0.0020	0.0034	0.0171	<0.0020
Lead (Dissolved)	(mg/l)	0.0075	0.0015J	<0.0020	0.0024	0.0010J	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-78D MP-78D/061012 10/12/2006 Primary	MP-81C MP-81C/061011 10/11/2006 Primary	MP-83C MP-83C/061012 10/12/2006 Primary	MP-85B MP-85B/061010 10/10/2006 Primary	MP-85D MP-85D/061011 10/11/2006 Primary
Nickel	(mg/l)	0.1	<0.0100	0.0199	<0.0100	0.0198	<0.0100
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	0.0213	<0.0100	<0.0100	<0.0100
Selenium	(mg/l)	0.05	0.0050J	<0.0060	0.0037J	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	0.0037J	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	<0.0100	0.0089J	0.0087J	0.0290	0.0098J
Vanadium (Dissolved)	(mg/l)	0.049	0.0096J	<0.0100	0.0074J	0.0097J	<0.0100
Zinc	(mg/l)	5	<0.0100	0.0036J	0.0042J	0.0531	0.0106
Zinc (Dissolved)	(mg/l)	5	<0.0100	0.0044J	<0.0100	<0.0100	<0.0100

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-89C MP-89C/061011 10/11/2006 Primary	MP-92D MP-92D/061011 10/11/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0150	0.0050
Arsenic (Dissolved)	(mg/l)	0.05	0.0141	0.0031
Barium	(mg/l)	2	0.198	0.173
Barium (Dissolved)	(mg/l)	2	0.159	0.126
Beryllium	(mg/l)	0.004	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	0.0065J	<0.0100
Cobalt	(mg/l)	1	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100
Iron	(mg/l)	5	**30.3**	**9.78**
Iron (Dissolved)	(mg/l)	5	**28.8**	**6.80**
Lead	(mg/l)	*0.0075*	*0.0007J*	*0.0031*
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020
Nickel	(mg/l)	0.1	<0.0100	0.0033J

See Notes at the End of Table

Table 8
Summary of Groundwater Analytical Results
Metals (Total and Dissolved)
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: *From 10/09/2006 thru 10/12/2006 - Inclusive*
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-89C MP-89C/061011 10/11/2006 Primary	MP-92D MP-92D/061011 10/11/2006 Primary
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100
Selenium	(mg/l)	0.05	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0080J	<0.0100
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100
Zinc	(mg/l)	5	0.0193	0.0084J
Zinc (Dissolved)	(mg/l)	5	<0.0100	<0.0100

See Notes at the End of Table

Table 9
Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-38C HMW-38C/061010 10/10/2006 Primary	HMW-39B HMW-39B/061010 10/10/2006 Primary	HMW-39C HMW-39C/061011 10/11/2006 Primary	HMW-40C HMW-40C/061010 10/10/2006 Primary	HMW-40C DUP-002/061010 10/10/2006 Duplicate 1
Alkalinity (as CaCO3)	(mg/l)		684	255	258	408	424
Ammonia (as N)	(mg/l)		0.15	<0.10	0.28	0.17	0.09J
Chloride	(mg/l)	200	55	201	205	25	24
COD	(mg/l)		60	10J	<20	10J	8J
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		750	230	280	430	460
Nitrate (as N)	(mg/l)	10	0.023J	0.055	<0.050	0.022J	0.015J
Nitrate Plus Nitrite (as N)	(mg/l)		0.023J	0.055	<0.050	0.027J	0.020J
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	<0.010	<0.010
Phosphorus	(mg/l)		0.568	0.134	0.352	0.522	0.180
Phosphorus (Dissolved)	(mg/l)		0.525	0.019J	0.312	0.011J	0.015J
Sulfate	(mg/l)	400	<40	<40	<40	<40	<40
Sulfide	(mg/l)		0.18	0.09S	0.02J	0.05J	<0.05
Total dissolved solids (TDS)	(mg/l)		816	574	614	510	504
Total Organic Carbon	(mg/l)		12.1	2.2	1.7	4.6	3.1
Total suspended solids	(mg/l)		43	301	18	199	82

See Notes at the End of Table

Table 9
Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-43C HMW-43C/061010 10/10/2006 Primary	HMW-43C DUP-001/061010 10/10/2006 Duplicate 1	HMW-44D HMW-44D/061011 10/11/2006 Primary	HMW-47B HMW-47B/061010 10/10/2006 Primary	HMW-48D HMW-48D/061010 10/10/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		492	490	664	NA	462
Ammonia (as N)	(mg/l)		0.26	0.25	0.18	NA	0.20
Chloride	(mg/l)	200	47	47	32	NA	114
COD	(mg/l)		<20	8J	18J	NA	40
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		650	650	610	NA	500
Nitrate (as N)	(mg/l)	10	0.016J	0.021J	<0.050	NA	0.012J
Nitrate Plus Nitrite (as N)	(mg/l)		0.016J	0.021J	<0.050	NA	0.012J
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	NA	<0.010
Phosphorus	(mg/l)		0.145	0.101	0.244S	NA	0.656
Phosphorus (Dissolved)	(mg/l)		0.139	0.091	0.215SR	0.290	0.583
Sulfate	(mg/l)	400	149	150	<40	NA	<40
Sulfide	(mg/l)		0.03J	0.03J	0.03J	NA	0.06S
Total dissolved solids (TDS)	(mg/l)		808	812	718	NA	700
Total Organic Carbon	(mg/l)		2.4	2.4	6.3	6.0	3.8
Total suspended solids	(mg/l)		13	18	33	NA	66

See Notes at the End of Table

Table 9
Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-49C HMW-49C/061011 10/11/2006 Primary	HMW-49D HMW-49D/061010 10/10/2006 Primary	HMW-49D DUP-003/061010 10/10/2006 Duplicate 1	HMW-50A HMW-50A/061010 10/10/2006 Primary	HMW-50B HMW-50B/061010 10/10/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		506	530	412	498	220
Ammonia (as N)	(mg/l)		<0.10	0.20	0.21	<0.10	1.92
Chloride	(mg/l)	200	8	47	50	26	287
COD	(mg/l)		72	18J	20	<20	35
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		470	500	520	920	710
Nitrate (as N)	(mg/l)	10	0.010J	0.079	0.336	0.750	0.010J
Nitrate Plus Nitrite (as N)	(mg/l)		0.010J	0.079	0.336	0.773	0.010J
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	0.023	<0.010
Phosphorus	(mg/l)		0.552	0.551	0.726	0.233	0.529
Phosphorus (Dissolved)	(mg/l)		0.366	0.432	0.381	0.118	0.347
Sulfate	(mg/l)	400	<40	<40	<40	513	360
Sulfide	(mg/l)		0.11S	0.05	0.05J	0.03JS	0.08
Total dissolved solids (TDS)	(mg/l)		526	624	628	1260	1280
Total Organic Carbon	(mg/l)		9.4	4.4	4.4	2.6	1.9
Total suspended solids	(mg/l)		77	64	57	13	35

See Notes at the End of Table

Table 9
Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50C HMW-50C/061009 10/09/2006 Primary	HMW-52C HMW-52C/061010 10/10/2006 Primary	HMW-53C HMW-53C/061011 10/11/2006 Primary	HMW-54C HMW-54C/061012 10/12/2006 Primary	MP-78D MP-78D/061012 10/12/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		592	464	586	564	782
Ammonia (as N)	(mg/l)		0.41	0.19	0.20	0.19	0.08J
Chloride	(mg/l)	200	639S	36	32	26	33
COD	(mg/l)		62	<20	23	8J	121
Cyanide	(mg/l)	0.2	<0.007	0.389	<0.007	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		1090	680	670	570	750
Nitrate (as N)	(mg/l)	10	0.012J	0.013J	<0.050	<0.050S	<0.050
Nitrate Plus Nitrite (as N)	(mg/l)		0.012J	0.013J	<0.050	<0.050S	<0.050
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	<0.010	<0.010
Phosphorus	(mg/l)		0.845	0.326	0.333	0.255	0.490
Phosphorus (Dissolved)	(mg/l)		0.868	0.174	0.309	0.274	0.501
Sulfate	(mg/l)	400	64	144	54	<40	<40
Sulfide	(mg/l)		20	0.08S	0.08	0.04J	0.13
Total dissolved solids (TDS)	(mg/l)		1840	874	702	592	836
Total Organic Carbon	(mg/l)		2.0S	2.3	5.0	3.3	14.9
Total suspended solids	(mg/l)		10	152	47	32	49

See Notes at the End of Table

Table 9
Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-81C MP-81C/061011 10/11/2006 Primary	MP-83C MP-83C/061012 10/12/2006 Primary	MP-85B MP-85B/061010 10/10/2006 Primary	MP-85D MP-85D/061011 10/11/2006 Primary	MP-89C MP-89C/061011 10/11/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		600	686	740	432	376
Ammonia (as N)	(mg/l)		0.18	0.15	0.12	0.40	0.22
Chloride	(mg/l)	200	34	85	31	89	31
COD	(mg/l)		<20	148	50	30	<20
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		750	730	610	500	740
Nitrate (as N)	(mg/l)	10	0.012J	<0.050	<0.050	<0.050	0.036J
Nitrate Plus Nitrite (as N)	(mg/l)		0.017J	<0.050	0.012J	<0.050	0.036J
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	<0.010	<0.010
Phosphorus	(mg/l)		0.021	0.398S	1.46	0.656	0.509
Phosphorus (Dissolved)	(mg/l)		<0.020	0.375	1.04	0.613	0.331
Sulfate	(mg/l)	400	188S	<40	<40	<40	449
Sulfide	(mg/l)		<0.05	0.09	0.08S	0.02J	0.04J
Total dissolved solids (TDS)	(mg/l)		838	870	818	582	1030
Total Organic Carbon	(mg/l)		1.8	28.2	7.5	4.6	2.9
Total suspended solids	(mg/l)		<6	55	385	40	75

See Notes at the End of Table

Table 9
Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters
October 2006
The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 10/09/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-92D MP-92D/061011 10/11/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		622
Ammonia (as N)	(mg/l)		0.06J
Chloride	(mg/l)	200	66
COD	(mg/l)		8J
Cyanide	(mg/l)	0.2	<0.007
Hardness (as CaCO3)	(mg/l)		790
Nitrate (as N)	(mg/l)	10	0.010J
Nitrate Plus Nitrite (as N)	(mg/l)		0.015J
Nitrite (as N)	(mg/l)		<0.010
Phosphorus	(mg/l)		0.061
Phosphorus (Dissolved)	(mg/l)		0.016J
Sulfate	(mg/l)	400	228
Sulfide	(mg/l)		0.05S
Total dissolved solids (TDS)	(mg/l)		1040
Total Organic Carbon	(mg/l)		2.4
Total suspended solids	(mg/l)		<6

See Notes at the End of Table

NOTES

TABLES 7, 8 and 9

Comparison values are Tier 1 Class 1 Groundwater Remediation Objectives from Illinois EPA's Tiered Approach to Corrective Action Objectives (35 IAC Part 742). Groundwater quality values listed in 35 IAC Part 742 used for comparison purposes only.

mg/L = Milligrams per liter.

µg/L = Micrograms per liter.

J = Estimated value. Compound detected below the practical quantitation limit (PQL).

R = RPD outside accepted recovery limits.

S = Spike Recovery outside of accepted recovery limits.

NA = Constituent not analyzed by laboratory.

TABLE 10
Indicator Parameters - October 2006 Quarterly Sampling
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, Illinois

Well Number	Date	Temperature °C	pH (std. units)	Conductivity (umhos/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	ORP (mV)
FOUTH QUARTER 2006							
HMW-38C	10/10/06	16.7	6.35	1194.11	93.14	3.3	-182
HMW-39B	10/10/06	15.6	7.28	1140	IM	2.4	--
HMW-39C	10/11/06	15.8	7.09	962.75	5.24	0.29	-144
HMW-40C	10/10/06	15.9	6.91	737.28	769.32	0.19	-110
HMW-43C	10/10/06	16.3	6.65	1044.62	24.33	0.49	-70
HMW-44D	10/11/06	16.2	6.66	1055.77	3.13	3.15	-93
HMW-45B	10/11/06	NM	NM	NM	NM	NM	NM
HMW-47B	10/10/06	16.6	6.74	1200	IM	3.03	--
HMW-48A	10/11/06	NM	NM	NM	NM	NM	NM
HMW-48D	10/10/06	15.7	6.15	1001.7	62.23	3.35	-44
HMW-49C	10/11/06	17.1	6.50	822.26	87.56	3.21	-96
HMW-49D	10/10/06	17.2	6.27	957.09	75.26	6.45	-78
HMW-50A	10/10/06	17.2	6.19	1447.75	24.84	0.62	-84
HMW-50B	10/10/06	15.0	7.33	1320	IM	3.30	--
HMW-50C	10/09/06	15.1	7.29	2549.17	124.11	4.02	-351
HMW-52C	10/10/06	16.4	6.68	1115.66	85.98	0.60	-182
HMW-53C	10/11/06	16.4	6.35	1027.27	29.17	3.29	-68
HMW-54C	10/12/06	15.4	6.71	928.38	38.03	3.34	-105
HMW-35D	10/11/06	15.2	6.68	913.44	19.87	3.06	-89
MP-59A	10/11/06	19.4	6.02	1760	IM	3.73	--
MP-78D	10/12/06	16.2	6.59	1290.6	6.96	3.32	-110
MP-81C	10/11/06	15.3	6.45	1158.31	0.88	1.45	-115

TABLE 10
Indicator Parameters - October 2006 Quarterly Sampling
The Hartford Area Hydrocarbon Plume Site

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, Illinois

Well Number	Date	Temperature °C	pH (std. units)	Conductivity (umhos/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	ORP (mV)
MP-83C	10/12/06	15.9	6.63	1287.54	7.95	3.33	-101
MP-85B	10/10/06	18.7	6.84	1380	243	0.79	--
MP-89C	10/11/06	15.9	6.67	1243.95	86.62	0.22	-187
MP-92D	10/11/06	16.1	6.54	1347.3	6.27	0.29	-65

NOTES:

°C = degrees Celcius
ntu = nephelometric turbidity units
-- = No data collected.
IM = Instrument Malfunction

APPENDIX A

MONITORING WELL INSPECTION REPORT

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name:

Date(s) of Inspection: 10-4-06

Project No.: 07003-003095.17-001

Field Personnel: S. Wright

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water	
HP-01A	NM	28.31	NM	2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-01B		28.19		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-01C		28.22		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-02A		32.44		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-03A		31.87		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-03B		31.82		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-03C		31.67		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-04A		33.81		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-04B		33.77		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-04C		33.75		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-05A		26.71		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-05B		26.81		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-05C		26.62		2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-06A		28.05		2	PVC	X	X	X	X		X	X		X	X	X						X	X		

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name:
Project No.: 07003-003095.17-001
Date(s) of Inspection: 10-4-06
Field Personnel: Starlet Wright

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
HP-07A	NM	31.05	NM	2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-08A	NM	31.76	NM	2	PVC	X	X	X	X		X	X		X	X	X						X	X		
HP-09A	NM	33.60	NM	2	PVC	X	X	X	X		X	X		X	X	X						X	X		
MP-31A	NE	NE	NM	1	PVC		X	X	X		X	X			X	X						X	X		X QD
MP-31B	NM	16.27		1	PVC		X	X	X		X	X			X	X						X	X		X QD
MP-31C	NE	31.71		2	PVC		X	X	X		X	X			X	X						X	X		X QD
MP-32A	car parked over wells																								
MP-32B																									
MP-32C																									
MP-33A	NE	9.57		1	PVC		X	X	X		X	X		X	X	X						X	X		X QD
MP-33B	NE	NE		1	PVC		X	X	X		X	X			X	X						X	X		X QD
MP-33C	NE	NE		1	PVC		X	X	X		X	X			X	X						X	X		X QD
MP-33D	34.45	35.59		2	PVC		X	X	X		X	X		X	X	X						X	X		X QD
MP-34A	NE	15.62 NSW	NM	1	PVC		X	X	X		X	X		X	X	X						X	X		X QD

ADDITIONAL COMMENTS: QD = Quick Disconnect Cap / No Lock

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: _____ Date(s) of Inspection: 10-4-06

Project No.: 07003-003095.17-001 Field Personnel: S. Wright

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below	
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (Inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water		
MP-34B	NE	~~NE~~ 24.48 SW	~~24.48~~ NM SW	1	PVC	~~N~~ N	X	X	X		X	X			X	X						X	X		X	QD
MP-34C	34.80	~~34.80~~ 34.39 SW	~~36.39~~ NM SW	2	PVC		X	X	X		X	X		X	X	X						X	X		X	QD

ADDITIONAL COMMENTS: QD = Quick Disconnect cap / No Lock

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: ~~Premcor~~ HW 6 Date(s) of Inspection: 10/4/06

Project No.: 07003-003095.17.001 Field Personnel: Jen Long / Sherri Marlo

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
HMW-54A	NE	Dry	15.88	2	PVC		Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
HMW-54B	33.44	35.06	—	4	PVC		Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
HMW-54C	~~33.85~~	33.85	—	2	PVC	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-97A	NE	Dry	—	1	PVC	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-97B	NE	Dry	—	1	PVC	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-97C	NE	Dry	—	1	PVC	Y	Y			N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-97D	~~NE~~ 72	~~Dry~~ 72	—	1	PVC	Y	Y			N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-96A	NE	5.11	5.11	1	PVC	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-96B	Dry	Dry	14.58	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-96C	NE	23.58	23.58	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-96D	33.41	34.52	—	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-98A	Dry	Dry	4.66	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-98B	Dry	Dry	15.30	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-98C	Dry	Dry	23.79	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Hartford Working Group
Date(s) of Inspection: 10/4/06
Project No.: 17-001
Field Personnel: Jen Long / Sheri Marko

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (Inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water	
MP-57A	NE	14.79	14.79	1	PVC	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—			Y	Y	N	
MP-57B	Dry	Dry	24.30	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—			Y	Y	N	
MP-57C	32.89	34.87	—	2		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N	—			Y	Y	N	
MP-13S	NE	8.09	—	1		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N	—			Y	Y	N	
MP-13D	Dry	Dry	Dry	1		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N	—			Y	Y	N	
MP-14S	Dry	Dry	9.33	1		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N	—			Y	Y	N	
MP-14D	NE	26.82		1		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N	—			Y	Y	N	
MP-15S	Dry	Dry	9.45	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—			Y	Y	N	
MP-15D	NE	26.82		1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—			Y	Y	N	
MP-16S	Dry	Dry	9.78	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—			Y	Y	N	
MP-16D	NE	27.56		1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—			Y	Y	N	
MP-60A	Dry	Dry	9.72	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—			Y	Y	N	
MP-60B	Dry	Dry	20.70	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—			Y	Y	N	
MP-60C	33.03	34.11		2	V	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	NO	—			Y	Y	N	

ADDITIONAL COMMENTS: MP-57C Rubber ring replaced but slightly large for diameter of well. MP-13D Missing bolt. Tried to Replaced but screw wouldn't fit. Unable to tighten cap
MP-14S & 14D - Caps were NOT ON securely.

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Hartford Working Group
Project No.: 17001

Date(s) of Inspection: 10/4/06
Field Personnel: Jen Lengl / Sherri Mache

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP-58A	Dry	Dry	10.02	1	PVC	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-58B	Dry	Dry	21.15	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-58C	~~Dry~~ 34.10	34.66		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-59A	NE	8.42		1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-59B	Dry	Dry	17.85	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-59C	33.61	34.02		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-88A	Dry	Dry	9.84	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-88B	Dry	Dry	19.71	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-88C	33.86	35.52		2		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N				Y	Y	N	
MP-95A	Dry ~~NE~~	Dry ~~10.69~~	9.66	1		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N				Y	Y	N	
MP-95B	NE	~~9.58~~ 6.69		1		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N				Y	Y	N	
MP-64A	NE	9.53		1		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N				Y	Y	N	
MP-64B	Dry	Dry	21.41	1		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N				Y	Y	N	
MP-64C	31.67	34.67		2		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N				Y	Y	N	

ADDITIONAL COMMENTS: MP-95A & B - Caps Not on securely. MP-95B - Unable to screw on tight.

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Hartford Working Group
Date(s) of Inspection: 10/4/06
Project No.: 17-001
Field Personnel: Jen Long / Sherri Marcle

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (Inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water	
HMW-53A	NE	15.55		2	PVC	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—			Y	Y	N	
HMW-53B	33.39	35.32		4		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
HMW-53C	NE	33.77		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
HMW-43A	NE	17.41		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—			Y	Y	N	
HMW-43B	NE	22.08		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	T
HMW-43C	NE	32.98		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
HMW-52A	NE	20.24		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
HMW-52B	NM	26.69		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
HMW-52C	NE	31.66		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-93A	Dry	Dry	6.10	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-93B	Dry	Dry	11.68	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	Y
MP-93C	N/A	N/A	N/A	N/A		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	Y
MP-63A	NM	9.79		1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-63B	~~19.7~~ Sm Dry	Dry	19.78	1	↓	Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N		—		Y	Y	N	

ADDITIONAL COMMENTS: MP-93B - missing screw. Replaced. MP-93C Could not Locate.

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Hartford Working Group
Project No.: 17-001
Date(s) of Inspection: 10/4/06
Field Personnel: Jen Long / Sherri Marcle

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP-63C	NE	32.98		2	PVC	Y	Y	Y	Y	Y	Y	Y	N	N						—		Y	Y	N	Y
HB-3B	NE	33.58		2		Y	Y	Y	Y	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		—		Y	Y	N	
MP-62A	NM	8.52		1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-62B	Dry	Dry	18.14	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-62C	NE	32.52		2		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N		—		Y	Y	N	Y
MP-89A	NE	9.71		1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-89B	Dry	Dry	19.71	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-89C	NE	32.77		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-61A	NE	9.89		1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-61B	Dry	Dry	21.31	1		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N		—		Y	Y	N	
MP-61C	NM	33.29		2		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N		—		Y	Y	N	Y
HMW-42A	NE	26.05		2		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N		—		Y	Y	N	Y
HMW-42B	NE	34.80		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	Y

ADDITIONAL COMMENTS: MP-63C Rubber seal missing. Replaced. MP-62C Rubber seal missing on well. Replaced. MP-61C - Rubber seal missing but didn't replace because we ran out. HMW-42A - Missing 2 bolts. Replaced. HMW-42B. Petroleum like odor to well. Bailed. Appeared to have sheen.

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Premcor Hartford Working Group
Date(s) of Inspection: 10/4/06
Project No.: 17-001
Field Personnel: Sherri Marte / Jen Long

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (Inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water	
MP-65A	NM	16.25		1	PVC	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-65B	Dry	Dry	24.78	1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-65C	NM	34.39		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	T
MP-67A	NM	25.38		1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-67B	NM	9.81		1		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-67C	NM	33.55		2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-66A	N/A	N/A	N/A	—		—	—	—	—	—	—	—	—	—	—	—	—	—		—		—	—	—	—
MP-66B	N/A	N/A	N/A	—		—	—	—	—	—	—	—	—	—	—	—	—	—		—		—	—	—	Y
MP-66C	N/A	N/A	N/A	—		—	—	—	—	—	—	—	—	—	—	—	—	—		—		—	—	—	Y
~~MP-67A~~	~~NM~~	~~25.38~~	ERROR	—		—	—	—	—	—	—	—	—	—	—	—	—	—		—		—	—	—	Y
~~MP-67B~~	~~NM~~	~~9.81~~		—		—	—	—	—	—	—	—	—	—	—	—	—	—		—		—	—	—	Y
~~MP-67C~~	~~NM~~	~~33.55~~	SM	—		—	—	—	—	—	—	—	—	—	—	—	—	—		—		—	—	—	Y
MP-94A	NE	9.15	2SM	2		Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N		—		Y	Y	N	
MP-94B	NE	17.80		2		Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N		—		Y	Y	N	

ADDITIONAL COMMENTS: MP-66A, 66B & 66C. Could not locate. MP-67C well missing rubber seal

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Premcor HWG
Project No.: 07003-003095.17001
Date(s) of Inspection: 10/4/06
Field Personnel: Brendon Wilder & John Linnamann

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
HMW-44B	—	23.45		2	PVC	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—	—	—	N	N	N	
HMW-44A	—	16.08		2	PVC	N	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—	—	—	N	N	N	
HMW-44C	32.30	34.39		2	PVC	N	Y	Y	Y	N	—	—	—		Y	Y	N	N	—	—	—	N	N	N	
HMW-44D	—	34.19		2	PVC	N	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—	—	—	N	N	N	T
MP-55A	—	16.87		1"	PVC	N	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—	—	—	N	N	N	
MP-55B	DRY	[illegible]	23.89	1"	"	N	"	"	"	"	"	"	"	"	"	"	"	"	—	—	—	Y	"	"	DRY
MP-55C	33.51	35.75												Y					—	—	—	Y			
HMW-20	34.49	36.51		2"		Y								N					—	—	—	Y			
MP 56A	—	10.75	11.00	1"		N								N					—	—	—	Y			
MP 56B	DRY		27.90	1"		N								N					—	—	—				
MP56C	34.08	35.29		2"		Y								Y					—	—	—				
MP77A	—	DRY	10.50	1"		N													—	—	—				
MP77B	—	DRY	24.63	1"		N													—	—	—				
MP77C	34.29	36.31		2"		Y													—	—	—				

ADDITIONAL COMMENTS: HMW20 SEAL REPLACED

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: [illegible] HWG
Project No.: 07003-003095s17-001
Date(s) of Inspection: 10-4-06
Field Personnel: [illegible] & [illegible]

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP52A	—	Dry	10.00	1"	PVC	N	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP52B	—	Dry	22.65	1"		N													—	—	—				
MP52C	33.91	35.29		2"		Y													—	—	—				
MP53A	—	11.66	11.78	1"		N							Y	N					—	—	—				
MP53B	—	Dry	24.51	1"		N							Y	N					—	—	—				
MP53C	34.63	35.53		2"		Y								Y					—	—	—				
HB-37	36.10	36.30		2"		N	Y	Y	Y	N	N	N	N	N	N	N	N	N	—	—	—				
MP-54A	—	12.40		1"		N					Y	Y	N	Y	Y	Y	N	N	—	—	—				
MP 54B	—	~~12.40~~ Dry	24.40	1"		N													—	—	—				
MP 54C	33.79	36.26		2"		Y													—	—	—				
HB30	34.84	35.05		2"		N					N	—	—	—	N	—	—	—	—	—	—				
MP51A	—	Dry	9.80	1"		N					Y	Y	N	Y	Y	Y	N	N	—	—	—				
MP51B	—	Dry	14.99	1"		N													—	—	—				
MP51C	—	Dry	24.62	1"		N													—	—	—				

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Premcor Area G
Project No.: 17003-003095.17001

Date(s) of Inspection: 10-11-06
Field Personnel: John Linn [illegible]

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP51D	34.68	37.20		2"	PVC	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP50A	—	13.80		1"		N														—					
MP50B	—	DRY	24.40	1"		N														—					
MP50C	34.08	36.18		2"		Y														—					
MP44A	—	DRY	9.83	1"		N														—					
MP44B	—	DRY	14.63	1"		N														—					
MP44C	—	DRY	24.58	1"		N														—					
MP44D	34.40	36.77		2"		N														—					
MP45A	—	DRY	12.78	1"		N														—					
MP45B	—	DRY	23.68	1"		N														—					
MP45C	—	~~DRY~~ 34.68	~~24.58~~ 36.28	2"		Y														—					
MP46A	—	DRY	14.70	1"		N														—					
MP46B	—	24.16	24.78	1"		N														—					
MP46C	33.33	36.02		2"		Y														—					

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: [illegible] HWG
Project No.: 07003-003095.17-001
Date(s) of Inspection: 10-4-06
Field Personnel: John Linniman / Brandon Wilder

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (Inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water	
MP 47A	—	Dry	14.10	1"	PVC	N	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP47 B	—	Dry	22.35	1"		N								Y					—	—	—				
MP47 C	32.70	35.43		2"		Y								N					—	—	—				
HMW02	—	22.75		2"		N		N	N	N	Y	N	N/A	N/A	N	N	N/A	N/A	—	—	—				
IEPA-04	33.83	36.11		2"		Y		N	N	N	N	N	N/A	N/A	N	N	N/A	N/A	—	—	—				
MP28	—	24.31		1"		N		Y	Y	N	Y	Y	Y	Y	Y	Y	N	N	—	—	—				
HMW37	33.34	35.74		2"		Y									Y	Y	N	N	—	—	—				
MP105E	—	Dry	9.50	1"		N							N/A	Y	N	N/A	N/A	N/A	—	—	—	N			
MP105D	—	Dry	9.25	1"		N							N/A	Y	N	N/A	N/A	N/A	—	—	—	N			
MP105B	—	Dry	9.39	1"		N							N/A	Y	N	N/A	N/A	N/A	—	—	—	N			
MP105A	—	Dry	9.70	1"		N							N/A	Y	N	N/A	N/A	N/A	—	—	—	N			
MP105C	—	Dry	9.38	1"		N							N/A	Y	N	N/A	N/A	N/A	—	—	—	Y			
MP106A	—	Dry	5.24	1"									N		Y	Y	Y	N	—	—	—				
MP106B	—	Dry	13.66	1"									N		Y	Y	Y	N	—	—	—				

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: [illegible] HWB
Project No.: 07003-003075.17-001
Date(s) of Inspection: 10-4-06
Field Personnel: John Linnemann + Brandon Winter

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP106C	—	DRY	22.70	1"	PVC	N	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP25	—	27.92	28.50	1"		N													—	—	—				
HMW34	33.58	36.23		2"		Y													—	—	—				
MP108A	—	DRY	5.16	1"		N													—	—	—				
MP108B	—	DRY	13.73	1"		N													—	—	—				
MP108C	—	24.[illegible]	21.70	1"		N													—	—	—				
MP26	—	27.61		1"		N													—	—	—				
HMW35	33.55	35.17		2"		Y													—	—	—				
MP27	—	28.72	28.78	1"		N													—	—	—				
HMW36	33.65	36.31		2"		Y													—	—	—				
HMW9	—	23.20		2"		N													—	—	—				
HMW10	33.90	36.65		2"		N													—	—	—				
MP107A		DRY	5.25	1"		N													—	—	—				
MP107B		DRY	13.25	1"		N													—	—	—				

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Pamer HW 6 Date(s) of Inspection: 10-4-06

Project No.: 17003-003095.17-001 Field Personnel: JOHN LINNEMANN & BRANDON WILTER

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (Inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water	
MP107C	—	DRY	21.81	1"	PVC	N	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP42C	—	34.22	36.75	2"	PVC	Y													—	—	—				
MP42B	—	DRY	28.42	1"		N													—	—	—				
MP42A	—	DRY	17.75	1"		N													—	—	—				
RW2	35.81	38.23		30"		N	N				—	—	—	—	—	—	—	—	—	—	—	—	—	—	
RW5	33.96	36.61		4"		Y	Y				Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP41A	—	DRY	13.53	1"		N													—	—	—				
MP41B	—	DRY	25.82	1"		N													—	—	—				
MP41C	36.04	36.04	~~[illegible]~~	2"		Y													—	—	—				
HMW13	—	18.79		2"															—	—	—				
HMW14	34.80	34.81		2"															—	—	—				
MP37D	33.05	35.47		2"															—	—	—				
MP37C	25.95	26.08		2"															—	—	—				
MP37B		DRY	22.72	1"		N													—	—	—				

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Premier HWB
Project No.: 07007-003095-17001
Date(s) of Inspection: 10-4-06
Field Personnel: John Grimman / Brendan Wilder

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (Inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water	
MP37A	—	DRY	13.07	1"	PVC	N	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
HB16	36.30	37.18		2"	PVC	N	Y	Y	Y	N	—	—	—	—	—	—	—	—	—	—	—	Y	Y	N	

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HWG
Project No.: 87003-003055, 17-001
Date(s) of Inspection: 10-5-05
Field Personnel: TJ Grisel / John Linnemann

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
Hmw-35A	SEE DATA FORMS			1"	PVC	Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
35B				1"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
35C				1"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
35C				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
Hmw-38A				1"		Y	Y	—	—	—	Y	Y	N	N	Y	Y	N	N	—	—	—	Y	Y	N	
38B				1"		Y	Y	—	—	—	Y	Y	N	N	Y	Y	N	N	—	—	—	Y	Y	N	
38C				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
Hmw-18				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
Hmw-40A				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
40B				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
40C				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
Hmw-43A				1"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	Y	N	—	—	—	Y	Y	N	
B				1"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	Y	N	—	—	—	Y	Y	N	
C				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	Y	N	—	—	—	Y	Y	N	

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HWG
Project No.: 07003-003035.17-001
Date(s) of Inspection: 10-5-06
Field Personnel: TJ Griel / John Lummen

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP-10S	SEE DATA Forms			1"	PVC	Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-10D				1"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-11S				1"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-11D				1"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-12S				1"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-12D				1"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-40A				1"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
40B				1"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
40C				2"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-49A				1"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
49B				1"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
49C				2"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
HMW19				2"		Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-48A				1"		Y	N				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HWG
Date(s) of Inspection: 10-5-06
Project No.: 07003-003095.17-001
Field Personnel: TJ Gried / John Linneman

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP-48B	SEE DATA Forms			1"	PVC	Y	N	—	—	—	Y	Y	N	N	Y	Y	N	N	—	—	—	Y	Y	N	
MP-48C				2"		Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
HMW51A				2"		Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
HMW51B				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
HMW51C				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP-92A				1/8		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP-92B				1/8		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP-92C				1"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP-92D				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP 91B				1"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP 91C				1"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP 91D				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP 90B				1"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP 90C				2"		Y	Y	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HWG
Project No.: 87003-003095.87001

Date(s) of Inspection: 10-4-06
Field Personnel: TS Grisel + Jaime Lizarraga

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP84A	SEE	DATA	Forms	1"	PVC	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP84B				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP84C				2"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP81A				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP81B				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP81C				2"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP87A				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP87B				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP87C				2"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP101A				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP101B				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP101C				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP99A				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP99B				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HWG
Date(s) of Inspection: 10-5-06
Project No.: 07003-003055.17-001
Field Personnel: TJ Geisel & John Linnemann

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP 99C	SEE DATA Forms			1"	PVC	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP 100A				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP 100B				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP 100C				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP 100D				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP82A				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP82B				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP82C				2"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP102A				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP102B				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP102C				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP103A				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP103B				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	
MP103C				1"	"	Y	N	—	—	—	Y	Y	N	Y	Y	Y	N	N	—	—	—	Y	Y	N	

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HWG
Project No.: 07003-003055.12-001
Date(s) of Inspection: 10-5-01
Field Personnel: TJ Grisel / John Linnins

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP-86 A	See Data Forms			1	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
86 B				1																					
86 C				2																					
MP-104 A ~~MP-81A TC~~				1																					
MP-104 B ~~81B TC~~				1																					
MP-104 C ~~81C TC~~				1																					
HMW 41A				2																					
41B				2																					
41C				2																					

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HWB
Date(s) of Inspection: 10-5-06
Project No.: 07003-003095 17-001
Field Personnel: Connie Halverson / Nick Dennis

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (Inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water	
HB 33	NE	33.16		2	PVC	Y	Y	N/A	N/A	N/A	Y	Y	N		Y	Y	N	N	N/A	N/A	N/A	Y	Y	N	
HMW 21	NE	24.53		2				N/A	N/A	N/A															
HMW 22	34.26	37.04		2				N/A	N/A	N/A															
HB 32	NE	38.17		4				Y	Y	N	N/A	N/A	N/A	N/A											
RW-3	37.57	40.02		4				Y	Y	N	N/A	N/A	N/A	N/A											
RW 4	NE	34.90		4				N/A	N/A	N/A	Y	Y	N	N											
MP 5S	NE	NE	9.90	1										N											
MP 5D	NE	24.31		1										N											
MP-8S	NE	8.19		1										N											
MP-8D	NE	25.11		1										N											
MP-9S	NE	8.55		1										N											
MP-9D	24.02	24.58		1										N											
HMW 30	34.24	36.84		2										N											
HMW 31	34.30	36.76		2	↓									N											

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Hw 6
Project No.: 07003-00395.17-001
Date(s) of Inspection: 10-5-06
Field Personnel: Connie Holmson / Nick Dennis

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
HMW 32	34.66	34.88		2	PVC	Y	Y	N/A	N/A	N/A	Y	Y	N	Y	Y	Y	N	Y	N/A	N/A	N/A	Y	Y	N	
HMW 33	34.81	36.91		2										Y											
HMW 07	NE	25.41		2										Y											
HMW 08	33.89	26.52		2										Y											
MP 29A	NE	NE	11.90	1										Y											
29B	NE	NE	20.33	1										Y											
29C	25.61	24.24		2										Y											
29D	33.70	34.32		2										Y											
MP 85A	NE	9.87		1										Y											
85B	NM	19.59		1										Y											
85C	32.11	32.30		2										Y											
85D	NE	32.53		2										Y											
HMW 04	21.91	22.17		2										N											
HMW03	NE	31.79		2										N											

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HW6 Date(s) of Inspection: 10-5-06

Project No.: 07003-00395-17-001 Field Personnel: Connie Hohnson / Nick Dennis

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (Inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water	
HMW 48A	NE	13.85		2	PVC	Y	Y	N/A	N/A	N/A	Y	Y	N	Y	Y	Y	N	N	N/A	N/A	N/A	Y	Y	N	
48B	22.71	~~21.94~~ 22.03		2										Y											
48C	32.11	33.95		2										Y											
48D	NE	34.41		2										Y											
49A	NE	12.46		2										Y											
49B	NE	24.12		2										Y											
49C	NE	33.69		2										Y											
49D	NE	35.61		2										Y											
HMW 38A	NE	NE	16.85	2										Y											
38B	NE	25.13		2										Y											
38C	NE	36.22		2										Y											
MP 71	NE	NE	14.70	1										Y											
72	NE	NE	15.74	1										Y											
HMW 46A	NE	17.55		2																					

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HWG
Project No.: 07003-00395.17-001
Date(s) of Inspection: 10-8-06
Field Personnel: Connie Halvorson / Nick Dennis

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
HMW 46B	NE	24.45		2	PVC	Y	Y	N/A	N/A	N/A	Y	Y	N	Y	Y	Y	N	N	N/A	N/A	N/A	Y	Y	N	
46C	35.33	37.04		2										Y											
MP 73	NE	NE	16.83	1										Y											
74	NE	NE	17.80	1										Y											
75	NE	NE	18.19	1										Y											
HMW 47A	NM	19.33		2										Y											
47B	NM	20.44		2										Y											
47C	35.55	36.10		2										Y											
MP 76	NE	NE	17.96	1										Y											
70	NE	NE	15.98	1										Y											
69	NE	NE	16.31	1										Y											
68	NE	NE	17.64	2										Y											
HMW 45A	NE	NE	17.65	2										Y											
45B	NE	27.85 NE	RA ~~24.45~~	2										Y											

ADDITIONAL COMMENTS:

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HWB
Project No.: 07003-00395.17-001
Date(s) of Inspection: 10-5-06
Field Personnel: Connie Holverson / Nick Dennis

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing		Security		Protective Cover			Flush Mount				Concrete Pad				Bumper Posts			Grade/Slope			Additional Comment(s) Below
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)	Diameter (Inches)	Material	Well Secured/Locked	Well Cap Present	Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilitates Access	Standing Water	
HMW 45C	35.54	37.55		2	PVC	Y	Y	N/A	N/A	N/A	Y	Y	N	Y	Y	Y	N	N	N/A	N/A	N/A	Y	Y	N	Y
MP 78A	NE	7.92		1										Y											
78B	NE	13.79		1										Y											
78C	NE	24.11		2										Y											
78D	NE	36.42		2										Y											
MP 79A	NE	NE	16.86	1										Y											
79B	NE	28.27		1										Y											
79C	33.98	36.93		2										Y											
79D	NE	34.46		2										Y											
MP 80A	NE	NE	18.82	1										Y											
80B	NM	28.59		1										Y											
80C	34.02	37.41		2										Y											
MP 30A	NE	18.55		1										Y											
30B	NE	29.24		1										Y											

ADDITIONAL COMMENTS: HMW 45C - Broken vault wing

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: HWG
Project No.: 07003-003-595.17-001
Date(s) of Inspection: 10-5-06
Field Personnel: Connie Halverson / Nick Dennis

WELL INTEGRITY INFORMATION

Well ID	Static Levels: Depth to Product (FT BTOC)	Static Levels: Depth to Water (FT BTOC)	Static Levels: Total Well Depth (FT BTOC)	Well Casing: Diameter (Inches)	Well Casing: Material	Security: Well Secured/Locked	Security: Well Cap Present	Protective Cover: Present	Protective Cover: Intact	Protective Cover: Dented	Flush Mount: Present	Flush Mount: Intact	Flush Mount: Cracked	Flush Mount: Rubber Seal Present	Concrete Pad: Present	Concrete Pad: Intact	Concrete Pad: Cracked	Concrete Pad: Shifted Out of Place	Bumper Posts: Intact	Bumper Posts: Bent	Bumper Posts: Missing	Grade/Slope: Away From Well	Grade/Slope: Facilitates Access	Grade/Slope: Standing Water	Additional Comment(s) Below
MP-30C	See Data Forms			2	PVC	Y	Y				Y	Y	N	Y	Y	Y	N	N				Y	Y	N	
MP-83A				1																					
83B				1																					
83C				2																					
HMI-39A				2																					
39B				2																					
39C				2																					

ADDITIONAL COMMENTS:

APPENDIX B

D_O DISCUSSION AND CALCULATION

B-1 LNAPL Specific Thickness (D_O) – October 4-6, 2006 – North Olive Stratum
B-2 LNAPL Specific Thickness (D_O) – October 4-6, 2006 – Rand Stratum
B-3 LNAPL Specific Thickness (D_O) – October 4-6, 2006 – Combined EPA and Shallow Main Sand Strata
B-4 LNAPL Specific Thickness (D_O) – October 4-6, 2006 – Main Sand Below the D Clay

Appendix B: D_o Discussion and Calculation

The following information was provided on behalf of Mr. Andrew Kirkman, of The RETEC Group, Inc., on November 7, 2005.

The fluid characteristics that influence LNAPL distribution and recoverability from the subsurface include the following:

- LNAPL Density
- LNAPL Viscosity
- LNAPL and Water Interfacial tensions

In addition, the soil type can have a large influence on LNAPL distribution and recoverability from the subsurface. Soil characteristics that effect the distribution and presence of LNAPL in the subsurface include:

- Porosity
- Intrinsic permeability
- Pore size distribution
- Soil grain shape

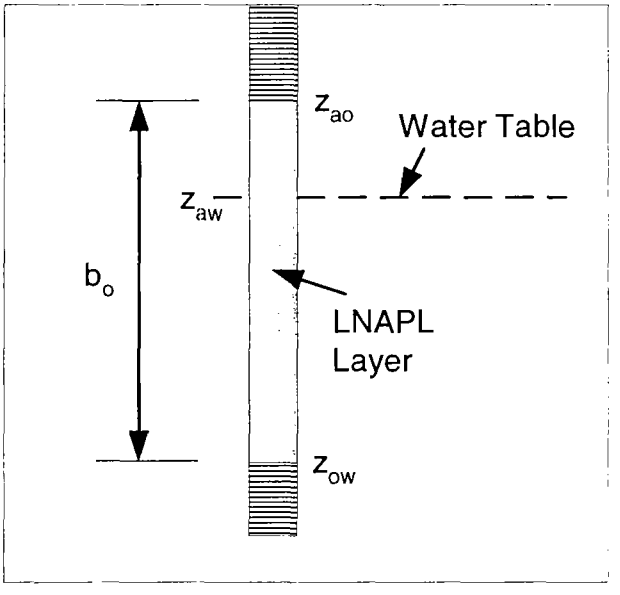
Accounting for these parameters is necessary in order to accurately assess the distribution of LNAPL in the formation and estimate the true amount of LNAPL in the subsurface. Mapping of apparent LNAPL thicknesses measured in monitoring wells at a site with varying soil and LNAPL type is not an accurate depiction of LNAPL extent or magnitude. In order to provide an estimate of the actual LNAPL in the subsurface, the term "LNAPL specific thickness" is proposed to estimate the true amount of LNAPL in the formation.

Because of the variance in soil and LNAPL physical characteristics, the same LNAPL thickness measured at two locations does not always represent the same distribution of LNAPL in the formation or the recoverability of LNAPL. For instance, one foot of LNAPL measured in a well installed in clay will have a much smaller specific thickness than if it were installed in sand. The same is true in terms of saturation. The pore spaces in sand are more interconnected and generally larger in the sand. The clay,

however, has smaller and less interconnected pores and a higher pressure is required to saturate those to the same saturation.

The following schematic (Charbeneau et al., 1999) shows a monitoring well with an LNAPL layer located between the air-NAPL interface z_{ao} and the NAPL-water interface z_{ow}. The total monitoring well LNAPL thickness is b_o. The elevation of the water table, z_{aw}, provides the datum for fluid levels. While the water table is not measured in a monitoring well because of the LNAPL layer, its elevation is easily determined from the elevations z_{ao} and z_{ow}, and the LNAPL specific gravity.

Figure 1



D_o is defined as the specific thickness of LNAPL, which is representative of the amount of LNAPL in a formation. For example, if you had a core of soil separated into its respective media (i.e., air, water, LNAPL, and soil), D_o is a normalized volume of LNAPL ($feet^3/feet^2$) per unit surface area, but is expressed as a thickness (in units of feet). At equilibrium, due to capillary forces in soil, the measured LNAPL thickness in a monitoring well, b_o, is always greater than D_o.

The relationship between measured monitoring well LNAPL thickness, b_o, and the specific LNAPL volume, D_o (the volume of LNAPL per unit surface area) may be calculated from the following equation:

$$D_o(b_o) = \int_{Z_{ow}}^{Z_{max}} n S_o(z)\, dz$$

Where:

Z_{max} = height of oil

Z_{ow} = height of the oil/water interface

S_o = saturation of oil

n = soil porosity

The function $D_o(b_o)$ may be approximated piecewise by a linear function of the form:

$$D_o = \beta\,(b_o - \chi)$$

The most accurate method to estimate LNAPL specific thickness is to collect soil core data, analyze Dean Stark LNAPL saturations and integrate LNAPL saturation over discrete depth intervals to calculate D_o (Adamski, et al, 2003). If LNAPL saturation and soil core data are available, D_o is calculated as follows:

$$D_o = \text{LNAPL \%} * \text{ porosity} * \text{soil core interval (ft.)}$$

Where:

LNAPL % = oil saturation (in % of pore volume)

porosity = site-specific total porosity (in %)

soil core interval = interval of LNAPL impacted core (in feet)

Collection of soil cores from varying soil types across a site and discrete sampling and analyses of LNAPL saturations accurately depicts the true amount of LNAPL in each formation and eliminates the need for correction factors based on buoyancy or LNAPL density. Correction factors based on soil type and LNAPL type will provide accurate estimations of LNAPL specific thickness across a site.

References

Adamski, M., V. Kremesec, R. Kolhatkar, C. Pearson, and B. Rowan, 2001. "LNAPL Saturation, Distribution, and Recovery in Fine Grained Soils," Proceedings of the Petroleum Hydrocarbons and Organic Chemicals in Ground Water Conference and Exposition, pp.178–192. November 14–16, 2001.

Charbeneau, R.J., R.T. Johns, L.W. Lake, and M.J. McAdams, 1999. "Free-Product Recovery of Petroleum Hydrocarbon Liquid." American Petroleum Institute, Publication No. 4682. Ground Water Monitoring & Remediation, 20(3), Summer, pp. 147-158, 2000. June 1999.

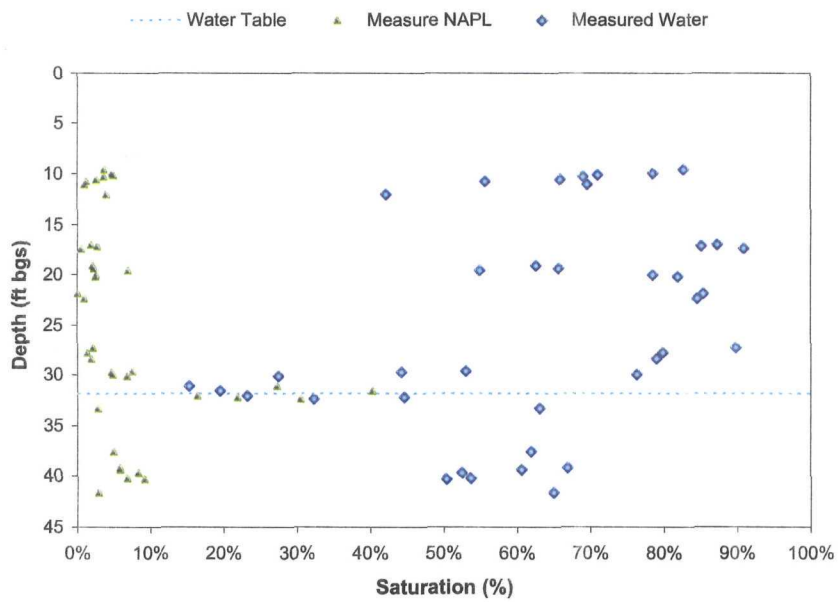
Attachment 2
Specific LNAPL Thicknesses

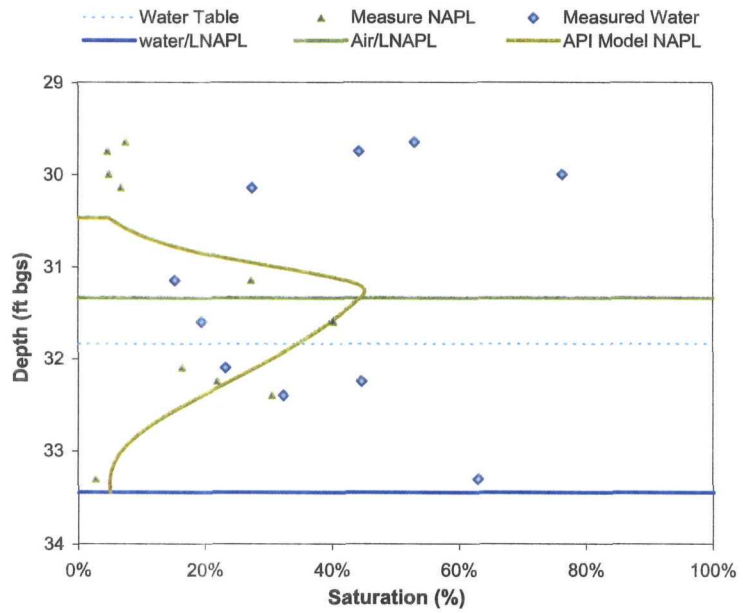
Boring	Corre-sponding Monitoring Well	Date of Measured LNAPL Thickness and Baildown Test	Measured LNAPL Thickness (ft)	D_o (ft)		
				Total for Estimated Mobile Interval[1]	Calculated for Mobile Interval[2]	Total for Smear Zone[1]
HCSB-1	HMW-44C	9/23/2005	2.1	0.30	0.32	0.60
HCSB-2	RW-5	9/23/2005	0.32	0.01	0.02	0.15
HCSB-3	MP-50C	ROST Log 2-19-2004	0.4	0.01	0.02	0.21
HCSB-4	MP-39C	10/5/2005	1.62	0.38	0.22	0.38
HCSB-5	MP-29D	9/20/2005	0.48	0.04	0.02	0.47
HCSB-5	MP-29C	9/20/2005	0.63	0.04	0.03	0.47

Notes:

1 Estimates are based on measured LNAPL saturation data from Dean-Stark core analyses.

2 Represents estimates based on API model that was calibrated to capillary pressure vs. saturation core analysis data.





Measured Saturation Data (Dean-Stark Method)

Depth	S_n	S_w	ϕ	Do	Do Mobile
9.6	0.036	0.826	0.47	0.0079	0.0000
10	0.047	0.784	0.49	0.0036	0.0000
10.15	0.048	0.709	0.51	0.0031	0.0000
10.3	0.035	0.689	0.49	0.0045	0.0000
10.6	0.025	0.658	0.51	0.0019	0.0000
10.8	0.011	0.556	0.52	0.0016	0.0000
11.1	0.009	0.695	0.50	0.0127	0.0000
12.1	0.039	0.421	0.53		
17	0.017	0.872	0.52	0.0018	0.0000
17.15	0.026	0.850	0.58	0.0022	0.0000
17.4	0.004	0.908	0.58	0.0110	0.0000
19.1	0.020	0.625	0.51	0.0032	0.0000
19.4	0.022	0.656	0.49	0.0046	0.0000
19.6	0.069	0.549	0.51	0.0105	0.0000
20.05	0.025	0.784	0.48	0.0018	0.0000
20.2	0.024	0.818	0.49	0.0100	0.0000

Do Sum (ft)
Smear Zone
0.60
Total Do over the Mobile Interval Where
0.30
Mobile Fraction of Do over the Mobile Interval
0.18

API Model Sn

Depth	Sn
30.47	0
30.47	0.048218
30.499	0.054075
30.528	0.060538
30.557	0.067669
30.586	0.075537
30.615	0.084217
30.644	0.093788
30.673	0.104338
30.702	0.115956
30.731	0.128733
30.76	0.142759
30.789	0.158117
30.818	0.174875
30.847	0.193079
30.876	0.212733

Gauging Data - Well HMW-44C

Ground Surface Elevation
429.78

Measuring Point Elevation
NA

Water Table Elevation
397.94

Estimated Water Table Depth

0	31.84
1	31.84

Sor
0.049

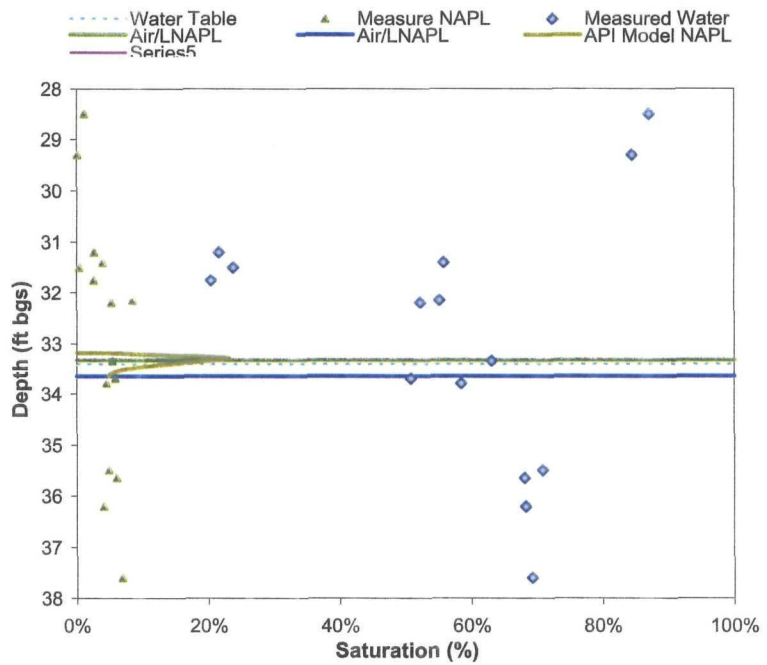
9/23/2005

DTP **Corrected LNAPL Depth**

21.9	0.000	0.853	0.53	0.0012	0.0000
22.4	0.009	0.845	0.54		
27.3	0.020	0.897	0.51	0.0041	0.0000
27.8	0.013	0.798	0.47	0.0041	0.0000
28.4	0.018	0.789	0.41	0.0254	0.0000
29.65	0.074	0.529	0.45	0.0026	0.0005
29.75	0.046	0.442	0.43	0.0048	0.0000
30	0.048	0.762	0.39	0.0035	0.0005
30.15	0.067	0.274	0.43	0.0771	0.0554
31.15	0.272	0.152	0.46	0.0673	0.0574
31.6	0.402	0.194	0.43	0.0625	0.0514
32.1	0.163	0.231	0.47	0.0129	0.0096
32.25	0.218	0.446	0.44	0.0172	0.0140
32.4	0.304	0.322	0.44	0.0661	0.0464
33.3	0.027	0.630	0.45	0.0737	0.0000
37.6	0.049	0.619	0.45	0.0338	0.0024
39.2	0.058	0.668	0.35	0.0040	0.0006
39.4	0.058	0.606	0.34	0.0071	0.0022
39.7	0.083	0.525	0.33	0.0124	0.0043
40.2	0.067	0.536	0.33	0.0030	0.0012
40.3	0.091	0.503	0.42	0.0324	0.0060
41.6	0.028	0.649	0.40		

30.905	0.233789
30.934	0.25612
30.963	0.279506
30.992	0.303602
31.021	0.327936
31.05	0.351898
31.079	0.374766
31.108	0.395757
31.137	0.414095
31.166	0.429113
31.195	0.440347
31.224	0.447611
31.253	0.451038
31.282	0.451072
31.311	0.44844
31.34	0.444146
31.445	0.426434
31.55	0.407166
31.655	0.386258
31.76	0.363654
31.865	0.33935
31.97	0.313411
32.075	0.285999
32.18	0.257408
32.285	0.228081
32.39	0.198633
32.495	0.169837
32.6	0.142586
32.705	0.117808
32.81	0.096357
32.915	0.078878
33.02	0.065696
33.125	0.056752
33.23	0.051589
33.335	0.049392
33.44	0.049

31	31.34
DTW	**Corrected water Depth**
33.1	33.44
GS-MP	
0.34	



API Model Sn

Depth	Sn
33.18323	0
33.18323	0.044088
33.18823	0.052866
33.19323	0.062034
33.19823	0.071574
33.20323	0.081459
33.20823	0.091653
33.21323	0.102109
33.21823	0.11277

Gauging Data - Well MP-42C

Ground Surface Elevation
430.90

Measuring Point Elevation
NA

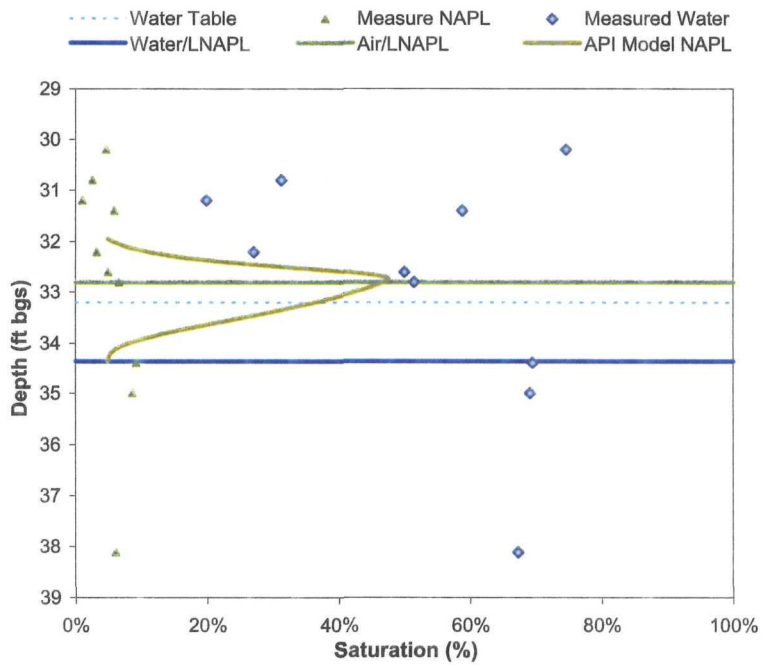
Water Table Elevation
397.49

Estimated Water Table Depth

0	33.41
1	33.41

33.22323	0.123568
33.22823	0.134421
33.23323	0.145236
33.23823	0.155911
33.24323	0.16633
33.24823	0.176373
33.25323	0.185914
33.25823	0.194826
33.26323	0.202985
33.26823	0.210275
33.27323	0.216593
33.27823	0.221854
33.28323	0.225994
33.28823	0.228975
33.29323	0.230786
33.29823	0.231443
33.30323	0.230993
33.30823	0.229509
33.31323	0.227091
33.31823	0.22386
33.32323	0.219964
33.32823	0.215571
33.33323	0.210887
33.34923	0.195603
33.36523	0.180518
33.38123	0.165757
33.39723	0.151451
33.41323	0.137733
33.42923	0.124735
33.44523	0.112578
33.46123	0.101374
33.47723	0.091215
33.49323	0.082174
33.50923	0.074295
33.52523	0.067594
33.54123	0.062061
33.55723	0.057651
33.57323	0.054295
33.58923	0.051893
33.60523	0.050323
33.62123	0.049438
33.63723	0.049066
33.65323	0.049

Sor	
0.049	
9/23/2005	
DTP	**Corrected LNAPL Depth**
32.65	33.33
DTW	**Corrected water Depth**
32.97	33.65
GS-MP	
0.68	



API Model Sn

Depth	Sn
31.94	0.0486
31.96867	0.052926
31.99733	0.057756
32.026	0.063151
32.05467	0.069179
32.08333	0.07592
32.112	0.083461
32.14067	0.091901
32.16933	0.101349

Gauging Data - Well MP-50C

Ground Surface Elevation
430.57

Measuring Point Elevation
NA

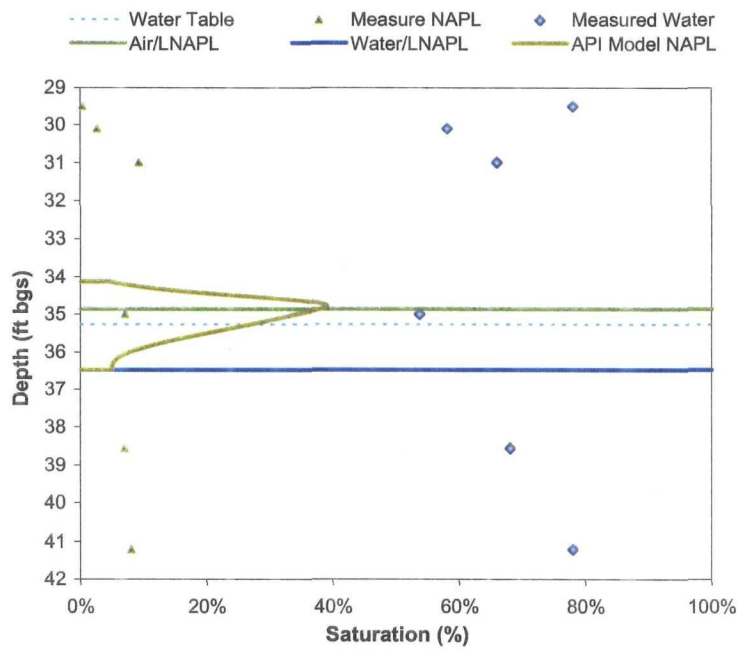
Water Table Elevation
397.36

Estimated Water Table Depth

0	33.21
1	33.21

32.198	0.111927
32.22667	0.123767
32.25533	0.137009
32.284	0.151802
32.31267	0.16829
32.34133	0.186607
32.37	0.206859
32.39867	0.229102
32.42733	0.253302
32.456	0.279305
32.48467	0.306776
32.51333	0.335163
32.542	0.363656
32.57067	0.391203
32.59933	0.416568
32.628	0.438481
32.65667	0.455829
32.68533	0.467877
32.714	0.474432
32.74267	0.475902
32.77133	0.473269
32.8	0.46804
32.8785	0.451248
32.957	0.432828
33.0355	0.412649
33.114	0.390598
33.1925	0.366598
33.271	0.34063
33.3495	0.312767
33.428	0.283211
33.5065	0.252337
33.585	0.220724
33.6635	0.18918
33.742	0.158715
33.8205	0.130465
33.899	0.10556
33.9775	0.084944
34.056	0.069199
34.1345	0.058414
34.213	0.052151
34.2915	0.049478
34.37	0.049

Sor	
0.049	
9/27/2005	
DTP	**Corrected LNAPL Depth**
32.46	32.8
DTW	**Corrected water Depth**
34.03	34.37
GS-MP	
0.34	



API Model Sn

Depth	Sn
34.12	0
34.12	0.047165
34.14467	0.053939
34.16933	0.061355
34.194	0.069467
34.21867	0.078329
34.24333	0.088001
34.268	0.098538
34.29267	0.109996

Gauging Data - Well MP-39C

Ground Surface Elevation
432.34

Measuring Point Elevation
NA

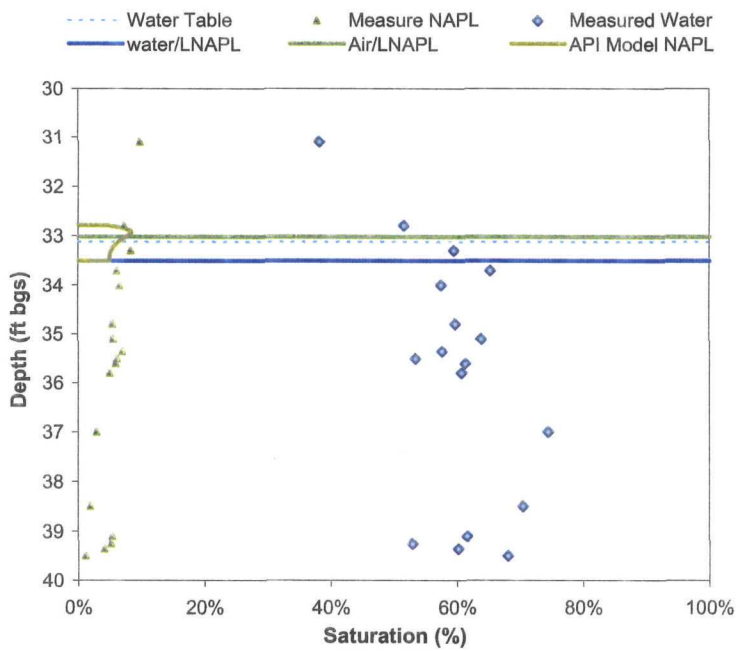
Water Table Elevation
397.07

Estimated Water Table Depth

0	35.27
1	35.27

34.31733	0.122424
34.342	0.135863
34.36667	0.15034
34.39133	0.165861
34.416	0.182406
34.44067	0.199913
34.46533	0.218278
34.49	0.237334
34.51467	0.25685
34.53933	0.276519
34.564	0.295965
34.58867	0.314744
34.61333	0.332367
34.638	0.348332
34.66267	0.362163
34.68733	0.373456
34.712	0.381926
34.73667	0.387439
34.76133	0.390034
34.786	0.389922
34.81067	0.387478
34.83533	0.383222
34.86	0.377831
34.941	0.358627
35.022	0.338253
35.103	0.316752
35.184	0.294213
35.265	0.270788
35.346	0.246695
35.427	0.222234
35.508	0.197784
35.589	0.173798
35.67	0.150789
35.751	0.129291
35.832	0.109824
35.913	0.092835
35.994	0.078655
36.075	0.06745
36.156	0.059203
36.237	0.053704
36.318	0.050565
36.399	0.049236
36.48	0.049
36.48	0

Sor	
0.049	
10/5/2005	
DTP	**Corrected LNAPL Depth**
34.59	34.86
DTW	**Corrected water Depth**
36.21	36.48
GS-MP	
0.27	



API Model Sn

Depth	Sn
32.78952	0
32.78952	0.044941
32.79719	0.048878
32.80485	0.05264
32.81252	0.056216
32.82019	0.059596
32.82785	0.062773
32.83552	0.065739
32.84319	0.068486

Gauging Data - Well MP-29C

Ground Surface Elevation
429.74

Measuring Point Elevation
NA

Water Table Elevation
396.62

Estimated Water Table Depth

0	33.12
1	33.12

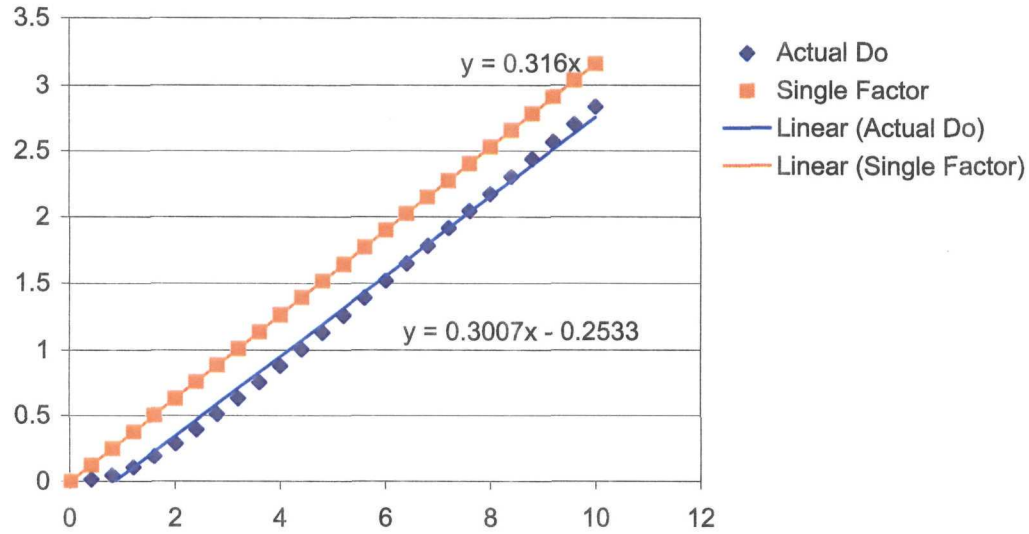
32.85085	0.07101		
32.85852	0.073306	**Sor**	
32.86619	0.075372	0.049	
32.87385	0.077206		
32.88152	0.078808	**10/5/2005**	
32.88919	0.08018	**DTP**	**Corrected LNAPL Depth**
32.89685	0.081323	32.75	33.02
32.90452	0.082243	**DTW**	**Corrected water Depth**
32.91219	0.082944	33.23	33.5
32.91985	0.083432		
32.92752	0.083717	**GS-MP**	
32.93519	0.083807	0.27	
32.94285	0.083713		
32.95052	0.083445		
32.95819	0.083018	**9/20/05.**	
32.96585	0.082445	**DTP**	**Corrected LNAPL Depth**
32.97352	0.08174	24.05	24.32
32.98119	0.08092	**DTW**	**Corrected water Depth**
32.98885	0.080001	24.68	24.98
32.99652	0.079002		
33.00419	0.077944	**GS-MP**	
33.01185	0.076847	0.3	
33.01952	0.075738		
33.04352	0.072405		
33.06752	0.069322		
33.09152	0.066487		
33.11552	0.063899		
33.13952	0.061552		
33.16352	0.059441		
33.18752	0.057561		
33.21152	0.055904		
33.23552	0.05446		
33.25952	0.053219		
33.28352	0.052171		
33.30752	0.051303		
33.33152	0.050602		
33.35552	0.050053		
33.37952	0.049641		
33.40352	0.049349		
33.42752	0.049159		
33.45152	0.049053		
33.47552	0.049008		
33.49952	0.049		
33.49952	0		

Specific LNAPL Thickness Correction Factors

	Applicable Range			
	0-1 foot		>1 foot	
Model	β	χ	β	χ
HCSB-1	0.06	0.00	0.29	0.95
HCSB-2	0.07	0.00	0.31	0.92
HCSB-3	0.10	0.00	0.33	0.83
HCSB-4	0.07	0.00	0.30	0.93
HCSB-5	0.07	0.00	0.30	0.93

$$D_o = \beta \left(b_n - \chi \right)$$

	Do HCSB-1	
bn	API Model	Single Factor
0	0	0
0.4	0.015061459	0.1264
0.8	0.046794121	0.2528
1.2	0.106782	0.3792
1.6	0.190064385	0.5056
2	0.288706431	0.632
2.4	0.397092964	0.7584
2.8	0.511856799	0.8848
3.2	0.630974444	1.0112
3.6	0.752951226	1.1376
4	0.87743555	1.264
4.4	1.003403703	1.3904
4.8	1.130706734	1.5168
5.2	1.258829007	1.6432
5.6	1.388042171	1.7696
6	1.517714439	1.896
6.4	1.647966213	2.0224
6.8	1.778704557	2.1488
7.2	1.90985501	2.2752
7.6	2.041115339	2.4016
8	2.172677251	2.528
8.4	2.304504684	2.6544
8.8	2.436333996	2.7808
9.2	2.568614435	2.9072
9.6	2.700844032	3.0336
10	2.833220096	3.16



D_O CALCULATIONS TABLE DEVELOPED BY CLAYTON

TABLE
D_o CALCULATIONS DEVELOPED BY CLAYTON

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, Illinois

Apparent Product Thickness	Do		
	yellow HCSB-1	blue-average HCSB-1 to 4	green HCSB-5
0.1	0.01	0.01	0.01
0.2	0.01	0.02	0.01
0.3	0.02	0.02	0.02
0.4	0.02	0.03	0.03
0.5	0.03	0.04	0.03
0.6	0.04	0.05	0.04
0.7	0.04	0.06	0.05
0.8	0.05	0.06	0.05
0.9	0.05	0.07	0.06
1	0.06	0.08	0.07
1.1	0.04	0.07	0.05
1.2	0.07	0.10	0.08
1.3	0.10	0.13	0.11
1.4	0.13	0.16	0.14
1.5	0.17	0.19	0.17
1.6	0.19	0.22	0.20
1.7	0.22	0.25	0.23
1.8	0.25	0.28	0.26
1.9	0.28	0.32	0.29
2	0.31	0.35	0.33
2.1	0.34	0.38	0.36
2.2	0.37	0.41	0.39
2.3	0.40	0.44	0.42
2.4	0.43	0.47	0.45
2.5	0.46	0.50	0.48
2.6	0.48	0.53	0.51
2.7	0.51	0.57	0.54
2.8	0.54	0.60	0.57
2.9	0.57	0.63	0.60
3	0.60	0.66	0.63
3.1	0.63	0.69	0.66
3.2	0.66	0.72	0.69
3.3	0.69	0.75	0.72
3.4	0.72	0.78	0.75
3.5	0.75	0.82	0.78
3.6	0.78	0.85	0.81
3.7	0.81	0.88	0.84
3.8	0.84	0.91	0.87
4	0.90	0.97	0.93
4.1	0.93	1.00	0.96
4.2	0.95	1.04	0.99
4.3	0.98	1.07	1.02
4.4	1.01	1.10	1.05
4.5	1.04	1.13	1.08
4.6	1.07	1.16	1.11
4.7	1.10	1.19	1.14
4.8	1.13	1.22	1.17
4.9	1.16	1.25	1.20
5	1.19	1.29	1.24
5.1	1.22	1.32	1.27
5.2	1.25	1.35	1.30
5.3	1.28	1.38	1.33
5.4	1.31	1.41	1.36
5.5	1.34	1.44	1.39
5.6	1.37	1.47	1.42
5.7	1.40	1.50	1.45
5.8	1.42	1.54	1.48
5.9	1.45	1.57	1.51
6	1.48	1.60	1.54

Main Sand					
Yellow	Blue	Blue	Green	Clean	Wells Removed
MP-47C	MP-79C/D	MP-99C	HMW-38C	HMW-39C	HB-32
MP-55C	MP-80C	MP-100D	HMW-46C	HMW-51C	RW-4
HMW-44C	HB-31	MP-101C	HMW-47C	MP-81C	
HMW-54B	MP-30C	MP-102C	HMW-45C	HMW-41C	
HMW-49D	MP-83C	MP-103C	MP-78D	HMW-25	
	MP-31C	MP-104C	MP-29D	HMW-26	
	MP-38C		RW-4A	HMW-27	
	MP-32B/C		RW-3	HMW-28	
	MP-34C		MP-85D	HMW-29	
	MP-33D		HMW-48D	MP-61C	
	MP-39C		SP-42	MP-89C	
	HMW-18			MP-62C	
	MP-43C			MP-63C	
	MP-48B/C			HMW-43C	
	MP-49C			HMW-52C	
	HMW-19			HB-38	
	MP-84C			MP-65C	
	MP-86C			MP-66C	
	MP-87C			MP-67C	
	RW-1			HP-1A	
	MP-82C			HP-1B	
	HMW-40C			HP-1C	
	HMW-08			HP-2A	
	HMW-22			HP-3A	
	MP-36C			HP-3B	
	MP-35D			HP-3C	
	HMW-14			HP-4A	
	MP-40C			HP-4B	
	MP-41C			HP-4C	
	MP-44D			HP-5A	
	MP-50C			HP-5B	
	MP-52C			HP-5C	
	MP-37D			HP-6A	
	RW-5			HP-7A	
	MP-42C			HP-8A	
	HMW-10			HP-9A	
	HMW-02			HMW-50C	
	RW-2			SP-41	
	MP-45C			SP-36	
	MP-46C			P-77	
	HB-30			P-78	
	MP-51D			P-79	
	MP-53C			P-106	
	HB-37			MP-92D	
	MP-54C				
	MP-77C				
	MP-56C				
	HMW-20				
	MP-57C				
	MP-60C				
	HMW-53B				
	MP-64C				
	MP-59C				
	MP-58C				
	MP-88C				
	HMW-42B				
	MP-90C				
	MP-91D				
	MP-96D				
	MP-97D				

Notes: Updated to incorporate new wells on October 11, 2006.

In October 2006, the approximate extent of LNAPL, the apparent product thickness, and the LNAPL specific thickness (D_o) (Clayton 2005) were determined, where present, for wells installed in each of the four hydrostratigraphic units (a discussion of D_o and how it is calculated is provided above):

- The North Olive Stratum well gauging data did not indicate the presence of measurable LNAPL (reference Figure B-1).

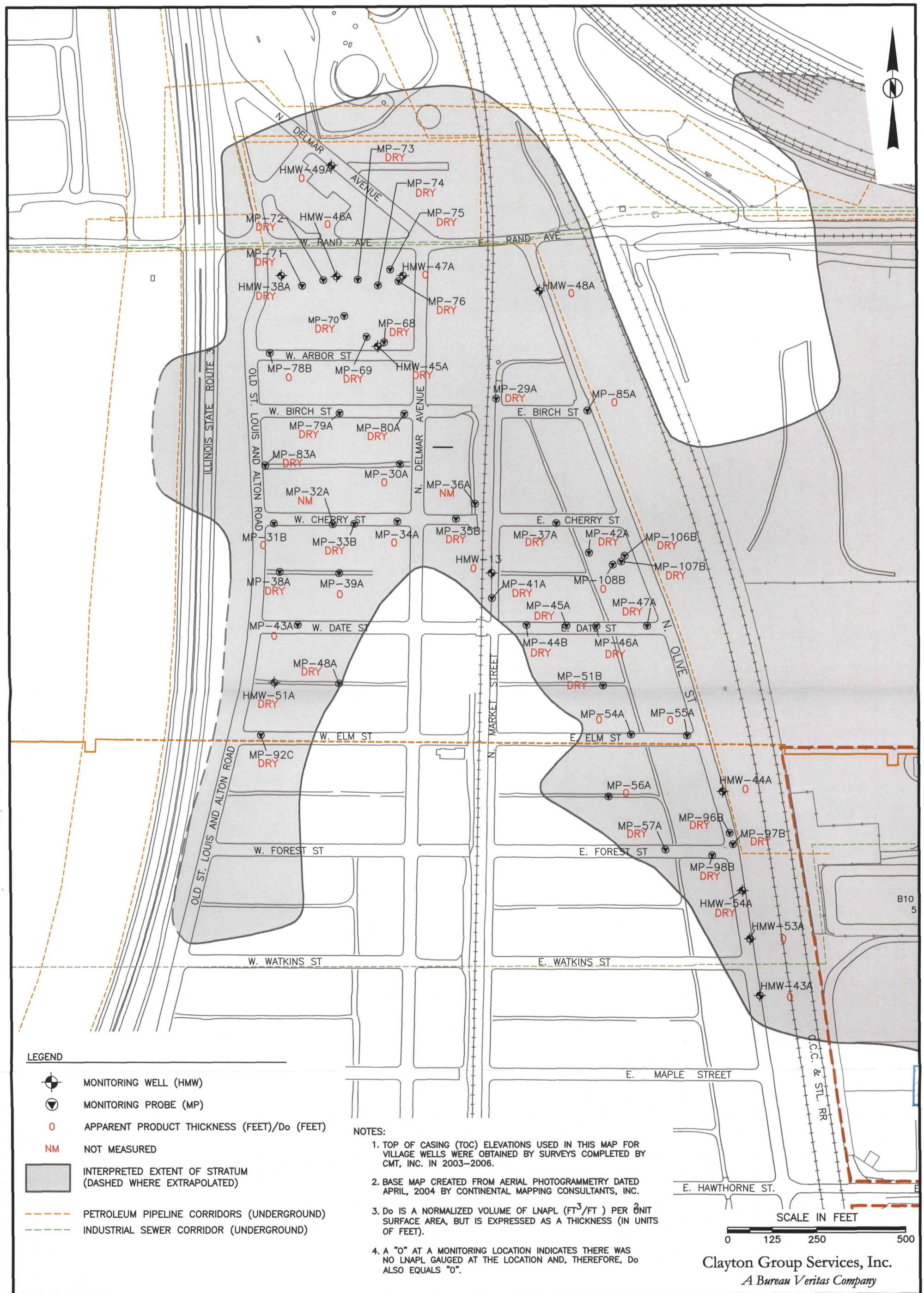
- The Rand Stratum well gauging data indicated the presence of LNAPL at four wells: HMW-4 with an apparent product thickness of 0.26 feet and a LNAPL specific thickness of 0.02 feet, HMW-48B with an apparent product thickness of 0.32 feet and a LNAPL specific thickness of 0.02 feet, MP-29C with an apparent product thickness of 0.63 feet and a LNAPL specific thickness of 0.04 feet and MP-37C with an apparent product thickness of 0.13 feet and a LNAPL specific thickness of 0.01 feet. The approximate extent of LNAPL in the Rand Stratum appeared to be limited to the vicinity of probe MP-37C (located on E. Cherry Street), as it was in July 2006. The approximate extent of LNAPL in the Rand Stratum appeared to be localized in the areas of MP-29C (located just north of East Birch Street, along North Market Street) and HMW-48B and HMW-4 (both located between East Birch Street and East Rand Avenue, along North Olive Street). Historically in 2006, LNAPL had been limited to the vicinity of probe HMW-48B in April and July and MP-29C in January, April, and July. The locations of the reference probes are provided on Figure B-2

- The combined EPA and shallow Main Sand Strata well gauging data indicated LNAPL was detected at 61 wells, with an apparent product thickness ranging from 0.19 (MP-85C) to 3.39 feet (MP-80C) and a LNAPL specific thickness ranging from 0.01 feet (MP-85C) to 0.78 feet (MP-80C). In October 2006, the approximate extent of LNAPL in the combined EPA and shallow Main Sand Strata was limited in Hartford to south of Rand Avenue, east of Illinois State Route 3, and north of East Maple Street (reference Figure B-3).

- The Main Sand below the D Clay well data did not indicate the presence of measurable LNAPL (reference Figure B-4).

APPENDIX B-1

LNAPL SPECIFIC THICKNESS (D_O) – OCTOBER 4-6, 2006 – NORTH OLIVE STRATUM



LEGEND

- MONITORING WELL (HMW)
- MONITORING PROBE (MP)
- 0 — APPARENT PRODUCT THICKNESS (FEET)/Do (FEET)
- NM — NOT MEASURED
- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)
- PETROLEUM PIPELINE CORRIDORS (UNDERGROUND)
- INDUSTRIAL SEWER CORRIDOR (UNDERGROUND)

NOTES:

1. TOP OF CASING (TOC) ELEVATIONS USED IN THIS MAP FOR VILLAGE WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2003–2006.
2. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
3. Do IS A NORMALIZED VOLUME OF LNAPL (FT^3/FT^2) PER UNIT SURFACE AREA, BUT IS EXPRESSED AS A THICKNESS (IN UNITS OF FEET).
4. A "0" AT A MONITORING LOCATION INDICATES THERE WAS NO LNAPL GAUGED AT THE LOCATION AND, THEREFORE, Do ALSO EQUALS "0".

Clayton Group Services, Inc.
A Bureau Veritas Company

CHECK BY	HLM/KDC
DRAWN BY	BCP
DATE	12–8–06
SCALE	AS SHOWN
CAD NO.	0309514007d88a
PRJ NO.	15–03095.14

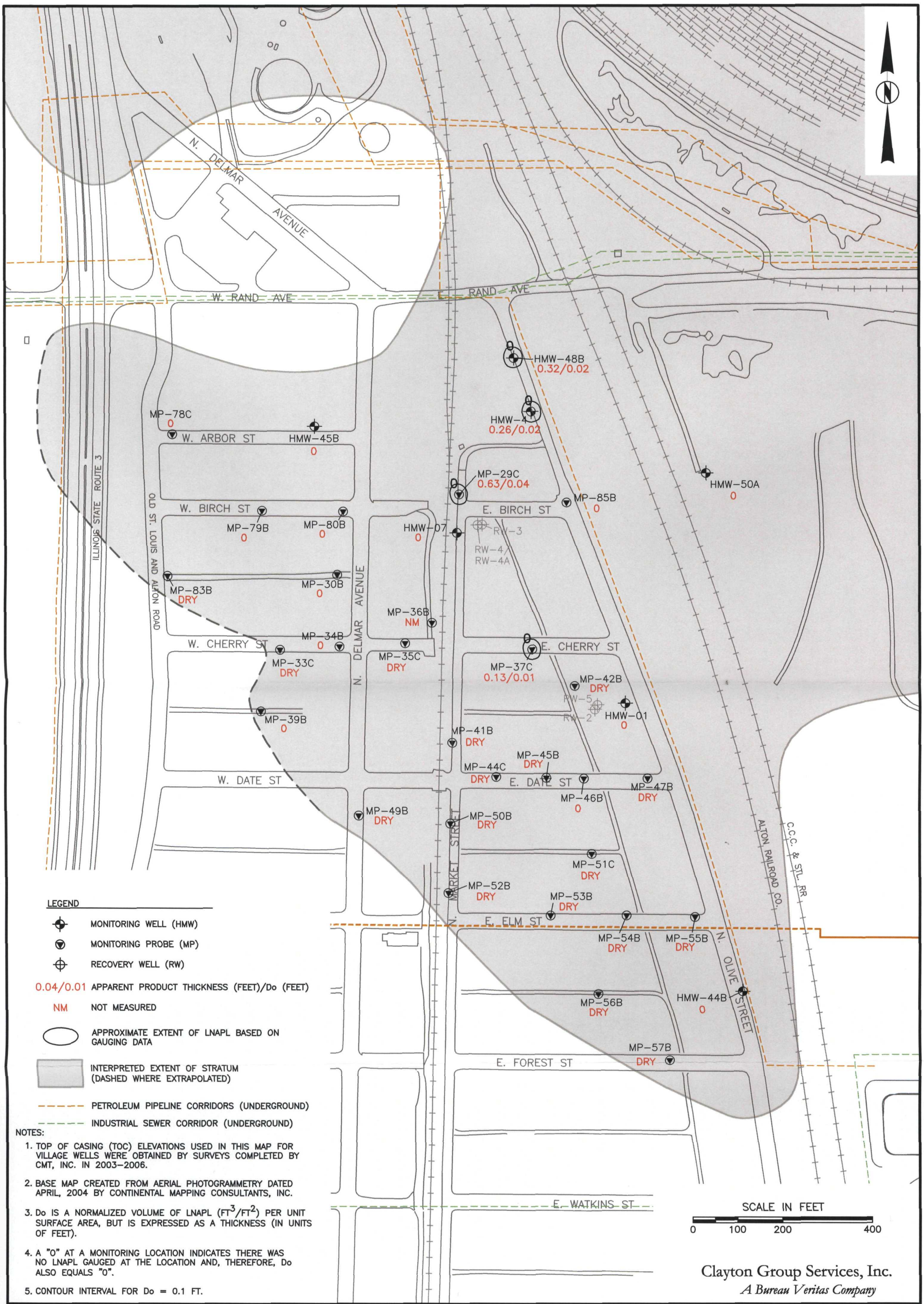
LNAPL SPECIFIC THICKNESS (Do)
OCTOBER 4–6, 2006
NORTH OLIVE STRATUM
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE
B–1

APPENDIX B-2

LNAPL SPECIFIC THICKNESS (D_O) – OCTOBER 4-6, 2006 – RAND STRATUM



LEGEND

- MONITORING WELL (HMW)
- MONITORING PROBE (MP)
- RECOVERY WELL (RW)
- 0.04/0.01 APPARENT PRODUCT THICKNESS (FEET)/Do (FEET)
- NM NOT MEASURED
- APPROXIMATE EXTENT OF LNAPL BASED ON GAUGING DATA
- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)
- PETROLEUM PIPELINE CORRIDORS (UNDERGROUND)
- INDUSTRIAL SEWER CORRIDOR (UNDERGROUND)

NOTES:

1. TOP OF CASING (TOC) ELEVATIONS USED IN THIS MAP FOR VILLAGE WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2003–2006.
2. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
3. Do IS A NORMALIZED VOLUME OF LNAPL (FT^3/FT^2) PER UNIT SURFACE AREA, BUT IS EXPRESSED AS A THICKNESS (IN UNITS OF FEET).
4. A "0" AT A MONITORING LOCATION INDICATES THERE WAS NO LNAPL GAUGED AT THE LOCATION AND, THEREFORE, Do ALSO EQUALS "0".
5. CONTOUR INTERVAL FOR Do = 0.1 FT.

Clayton Group Services, Inc.
A Bureau Veritas Company

CHECK BY	HLM/KDC
DRAWN BY	BCP
DATE	12–8–06
SCALE	AS SHOWN
CAD NO.	0309514007d89a
PRJ NO.	15–03095.14

LNAPL SPECIFIC THICKNESS (Do)
OCTOBER 4–6, 2006
RAND STRATUM
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

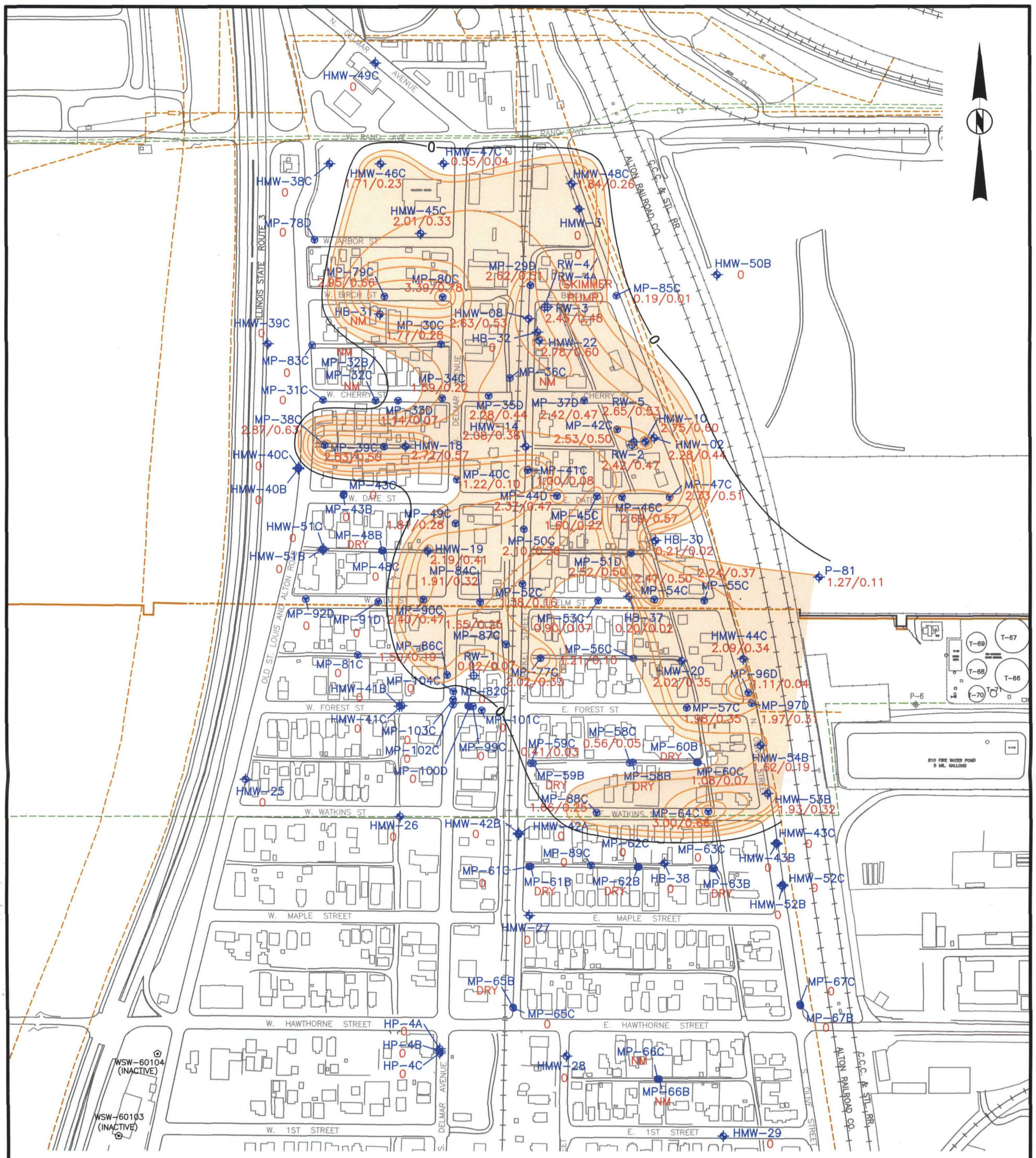
BUREAU VERITAS

FIGURE
B–2

BUREAU VERITAS

APPENDIX B-3

LNAPL SPECIFIC THICKNESS (D_O) – OCTOBER 4-6, 2006 – COMBINED EPA AND SHALLOW MAIN SAND STRATA



LEGEND

- MONITORING WELL (HMW, HB)
- MONITORING PROBE (MP)
- RECOVERY WELL (RW)
- 1.65/0.25 APPARENT PRODUCT THICKNESS (FEET)/Do (FEET)
- NM NOT MEASURED
- PETROLEUM PIPELINE CORRIDORS (UNDERGROUND)
- INDUSTRIAL SEWER CORRIDOR (UNDERGROUND)
- APPROXIMATE EXTENT OF LNAPL BASED ON GAUGING DATA
- LNAPL SPECIFIC THICKNESS BETWEEN 0.1 AND 1 FOOT

NOTES:

1. TOP OF CASING (TOC) ELEVATIONS USED IN THIS MAP FOR VILLAGE WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2003–2006.
2. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
3. Do IS A NORMALIZED VOLUME OF LNAPL (FT^3/FT^2) PER UNIT SURFACE AREA, BUT IS EXPRESSED AS A THICKNESS (IN UNITS OF FEET).
4. A "0" AT A MONITORING LOCATION INDICATES THERE WAS NO LNAPL GAUGED AT THE LOCATION AND, THEREFORE, Do ALSO EQUALS "0".
5. CONTOUR INTERVAL FOR Do = 0.1 FT.
6. WELLS EXCLUDED: RW–4, HB–32, HMW–3

SCALE IN FEET

0 150 300 600

Clayton Group Services, Inc.
A Bureau Veritas Company

CHECK BY	HLM/KDC
DRAWN BY	BCP
DATE	12–8–06
SCALE	AS SHOWN
CAD NO.	0309514007d91a
PRJ NO.	15–03095.14

LNAPL SPECIFIC THICKNESS (Do)
OCTOBER 4–6, 2006
COMBINED EPA STRATUM AND SHALLOW MAIN SAND
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

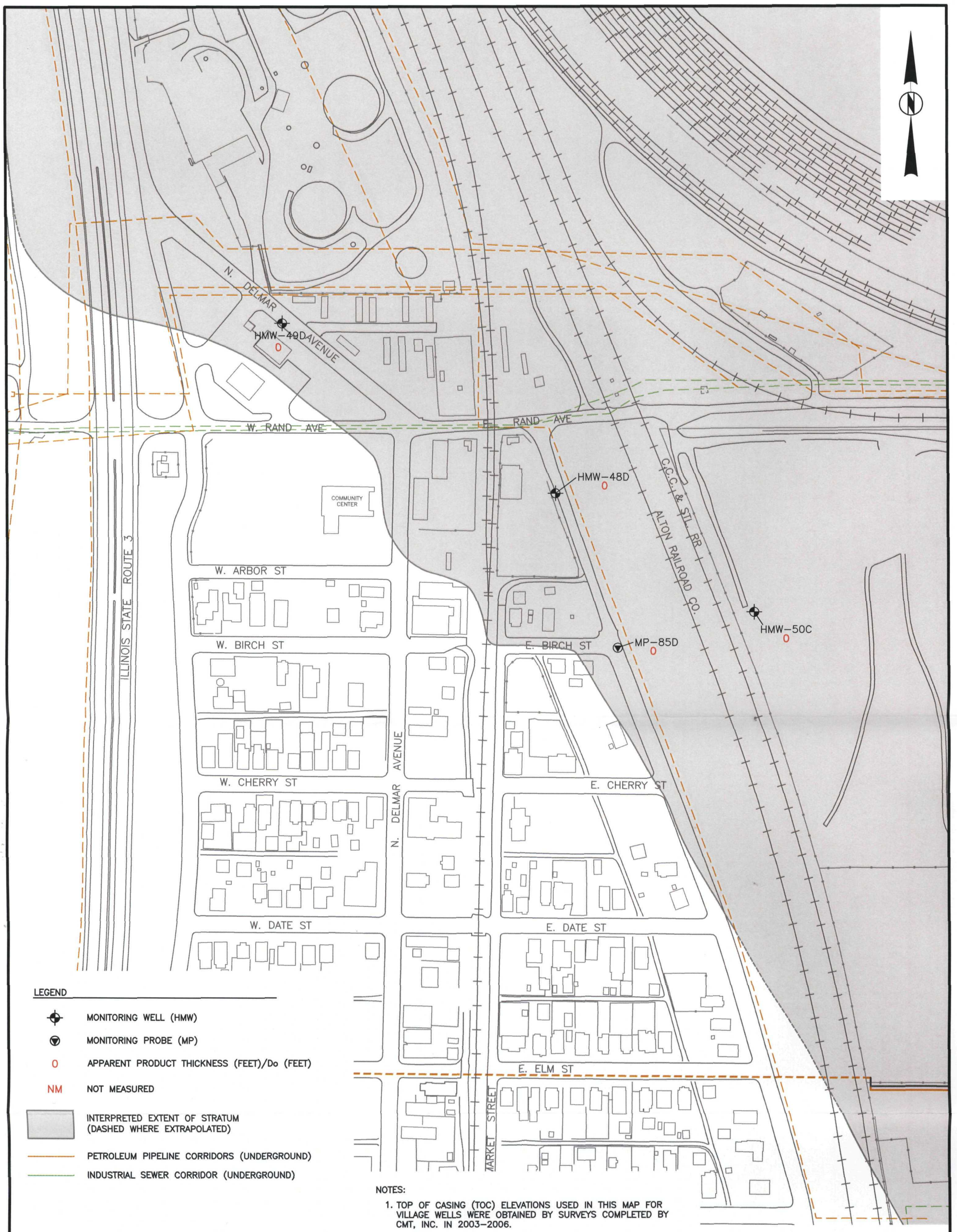
FIGURE

B–3

BUREAU VERITAS

APPENDIX B-4

LNAPL SPECIFIC THICKNESS (D_O) – OCTOBER 4-6, 2006 – MAIN SAND BELOW THE D CLAY



LEGEND

- MONITORING WELL (HMW)
- MONITORING PROBE (MP)
- 0 — APPARENT PRODUCT THICKNESS (FEET)/Do (FEET)
- NM — NOT MEASURED
- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)
- PETROLEUM PIPELINE CORRIDORS (UNDERGROUND)
- INDUSTRIAL SEWER CORRIDOR (UNDERGROUND)

NOTES:

1. TOP OF CASING (TOC) ELEVATIONS USED IN THIS MAP FOR VILLAGE WELLS WERE OBTAINED BY SURVEYS COMPLETED BY CMT, INC. IN 2003–2006.
2. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
3. Do IS A NORMALIZED VOLUME OF LNAPL (FT^3/FT^2) PER UNIT SURFACE AREA, BUT IS EXPRESSED AS A THICKNESS (IN UNITS OF FEET).
4. A "0" AT A MONITORING LOCATION INDICATES THERE WAS NO LNAPL GAUGED AT THE LOCATION AND, THEREFORE, Do ALSO EQUALS "0".

SCALE IN FEET

0 100 200 400

Clayton Group Services, Inc.
A Bureau Veritas Company

CHECK BY	HLM/KDC
DRAWN BY	BCP
DATE	12–8–06
SCALE	AS SHOWN
CAD NO.	0309514007d90a
PRJ NO.	15–03095.14

LNAPL SPECIFIC THICKNESS (Do)
OCTOBER 4–6, 2006
MAIN SAND BELOW THE D CLAY
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

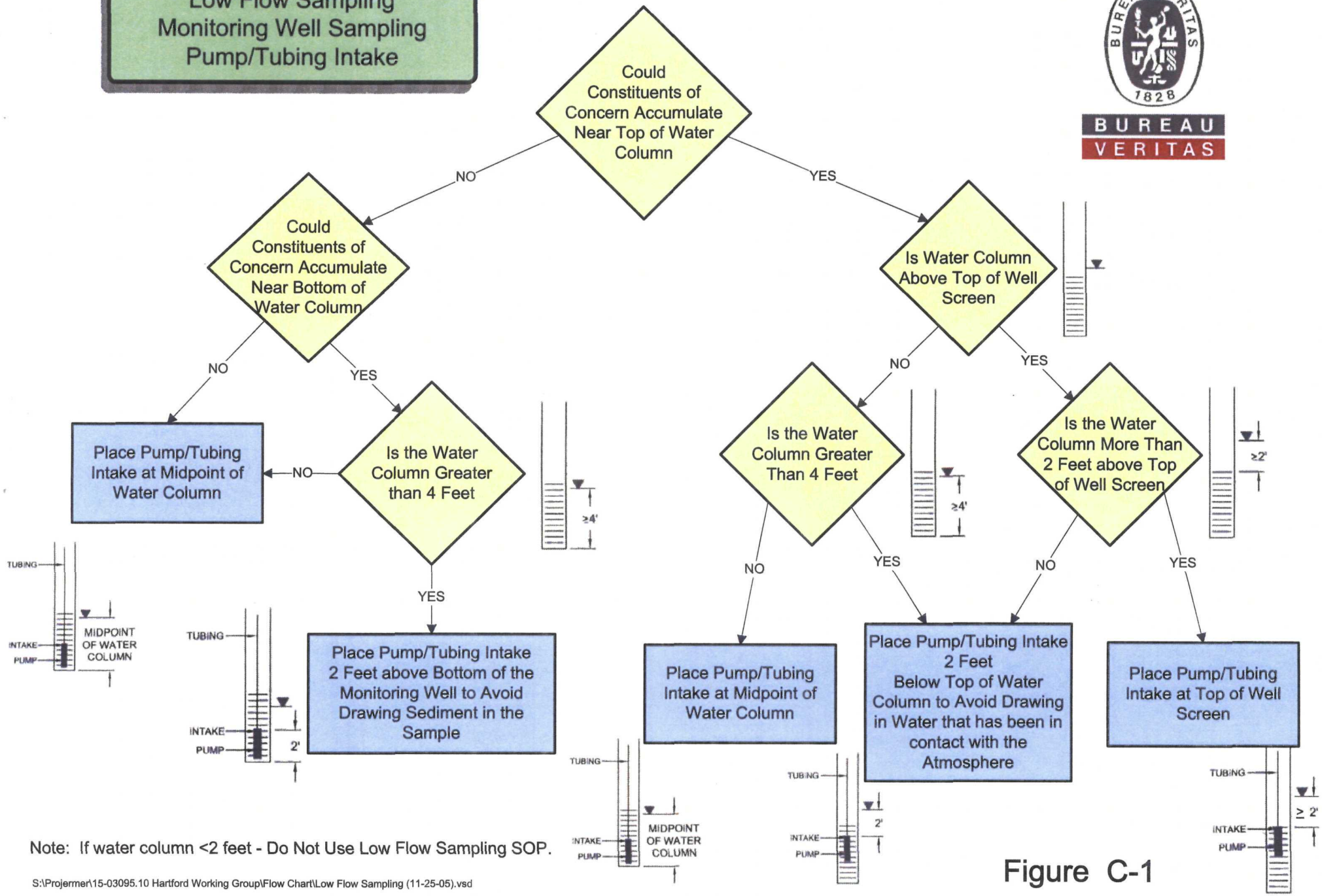
FIGURE

B–4

APPENDIX C

LOW FLOW SAMPLING MONITORING WELL SAMPLING PUMP/TUBING INTAKE

Low Flow Sampling Monitoring Well Sampling Pump/Tubing Intake



Note: If water column <2 feet - Do Not Use Low Flow Sampling SOP.

S:\Projermer\15-03095.10 Hartford Working Group\Flow Chart\Low Flow Sampling (11-25-05).vsd

Figure C-1

APPENDIX D

SUMMARY OF INDICATOR PARAMETER MEASUREMENTS – OCTOBER 2006

TABLE
Well Sampling Indicator Parameters - October 2006 Quarterly Sampling
The Hartford Area Hydrocarbon Plume Site

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

Well Number	Date	Time	Total Volume of Water Removed (gals)	Temperature °C	pH (std. units)	Conductivity (umhos/cm)	TDS (ppm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Visual Clarity	Comments
HMW-39B	10/10/06	0930	1.25	16.1	6.73	1180	NM	-10	11.48	Clear	Well Sampled by Bailer
		0932	1.50	15.9	6.98	1170	NM	-10	9.43	Clear	Turbidity sensor malfunctioning
		0936	2.00	15.7	7.14	1140	NM	-10	2.10	Clear	
		0938	2.50	15.7	7.23	1190	NM	-10	2.21	Clear	
		0941	2.75	15.6	7.27	1160	NM	-10	2.50	Clear	
		0943	3.00	15.6	7.28	1140	NM	-10	2.40	Clear	
HMW-47B	10/10/06	1051	0.50	16.8	6.86	1170	NM	-10	2.62	Clear	Well Sampled by Bailer
		1055	1.00	16.8	6.79	1170	NM	-10	2.29	Clear	Turbidity sensor malfunctioning
		1058	1.25	16.5	6.72	1180	NM	-10	4.25	Clear	
		1102	1.50	16.6	6.74	1200	NM	-10	3.03	Clear	
HMW-50B	10/10/06	1245	0.50	15.6	7.23	1150	NM	-10	1.62	Clear	Well Sampled by Bailer
		1247	1.00	15.2	7.42	1120	NM	-10	1.71	Clear	Turbidity sensor malfunctioning
		1250	1.50	15.2	7.47	1120	NM	-10	1.80	Clear	
		1253	2.00	15.2	7.47	1190	NM	-10	2.86	Clear	
		1256	2.25	15.0	7.38	1310	NM	-10	2.95	Clear	
		1258	2.50	15.0	7.34	1370	NM	-10	2.23	Clear	
		1300	2.75	15.0	7.33	1320	NM	-10	3.30	Clear	
MP-59A	10/11/06	0945	0.16	19.7	5.84	1780	NM	NM	0.99	Clear	Well Sampled by Peristaltic Pump
		0946	0.32	19.9	5.87	1770	NM	NM	1.60	Clear	Turbidity sensor malfunctioning
		0947	0.48	19.7	5.96	1760	NM	NM	3.35	Clear	
		0949	0.64	19.4	6.02	1760	NM	NM	3.73	Clear	
MP-85B	10/10/06	1501	0.10	18.5	6.87	1410	NM	999	0.92	Cloudy	Well Sampled by Peristaltic Pump
		1502	0.25	18.5	6.86	1410	NM	800	0.85	Cloudy	
		1503	0.40	18.5	6.85	1400	NM	637	0.87	Cloudy	
		1504	0.50	18.6	6.84	1390	NM	507	0.83	Slightly Cloudy	

TABLE
Well Sampling Indicator Parameters - October 2006 Quarterly Sampling
The Hartford Area Hydrocarbon Plume Site

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

Well Number	Date	Time	Total Volume of Water Removed (gals)	Temperature °C	pH (std. units)	Conductivity (umhos/cm)	TDS (ppm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Visual Clarity	Comments
MP-85B	10/10/06	1505	0.60	18.6	6.84	1390	NM	551	0.87	Slightly Cloudy	
		1506	0.70	18.6	6.83	1390	NM	318	0.80	Slightly Cloudy	
		1507	0.80	18.7	6.84	1380	NM	243	0.79	Slightly Cloudy	

NOTES:
gals = gallons
°C = degrees Centigrade
ntu = nephelometric turbidity units
umhos/cm = micromhos per centimeter
ppm = parts per millions
mg/L = milligrams per liter
999= 999 turbidity value indicates the turbidity exceeds the range of the instrument (0-800 ntu for the Horiba U-10)

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:07003-003095.17-001-HWG-HMW-38C-061009-10-10-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your

Operator Name:	N_DENNIS
Company Name:	BV-CLAYTON
Project Name:	07003-003095.17-001
Site Name:	HWG
Well ID:	HMW-38C-061009

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0	[%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0	[%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3	[%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10	[%]

Pump Model/Type:	11035
Tubing Type:	POLYETHYLENE
Tubing Diam:	0.17 [in]
Tubing Length:	50 [ft]
Well Depth:	42.2 [ft]
Well Diam:	2 [in]
Screen Len:	116.4 [in]
Screen Depth:	32 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water:	35.5 [ft]
Pump Level (TOC):	37.5 [ft]

Final Pumping Rate:	350 [mL/min]
Stable Draw Down:	0 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (223.2 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	340.17 [mL]
Actual Total Volume:	340.17 [mL]
Calculated Measurement Interval:	59 [sec]
Actual Measurement Interval:	59 [sec]

Start date/time:	10/10/2006	10:36:18
End date/time:	10/10/2006	11:20:31
Total Time:	0:44:13	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.38	0	-182.12	-0.72	3.92	-0.01			1196.93	-3.17	90.71	5.77	16.81	-0.12	11:16:05
3	6.37	-0.01	-181.86	0.26	3.85	-0.07			1197.86	0.93	95.93	5.22	16.87	0.06	11:17:05
2	6.37	0.01	-182.37	-0.51	3.82	-0.03			1197.85	0	85.95	-9.98	16.85	-0.02	11:18:04
1	6.36	-0.01	-182.07	0.3	3.8	-0.02			1197.54	-0.31	90.05	4.1	16.81	-0.04	11:19:04
0	6.35	-0.01	-181.77	0.3	3.8	0			1194.11	-3.42	93.14	3.09	16.69	-0.12	11:20:03

pH Min:	6.35
pH Max:	6.38
ORP Min:	-182.37
ORP Max:	-181.77
DO Min:	3.8
DO Max:	3.92
RDO Min:	
RDO Max:	
Cond Min:	1194.11
Cond Max:	1197.86
Turb Min:	85.95
Turb Max:	95.93
Temp Min:	16.69
Temp Max:	16.87

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated.	10/21/2006 11:13:46
Report from file.	\07003-003096.17-001-HWG-HMW-38C-061009-10-10-2006 flo bin
Win-Situ® Version	4.57.0.0
Serial number:	48249
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/10/2006 10:36:18
Test started on:	10/10/2006 10:36:18
Test stopped on	N/A N/A

Data gathered using Event testing

Time between data points	0.0	Seconds.
Time between default storages.	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds.	0	Celsius
Number of data samples	46	

TOTAL DATA SAMPLES 45

Channel number [1]
Measurement type Temperature
Channel name

Channel number [3]
Measurement type Barometric Pressure
Channel name

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm	Actual Conductivity
10/10/2006	10:36:18	0	20.91	29.573	411.4	2.915	-125	6.34	13.17	149.8801	1361.98	
10/10/2006	10:37:17	59	17.6	29.575	268.1	2.941	-112	6.08	9.71	103.4365	1228.49	
10/10/2006	10:38:17	119	17.17	29.573	298.1	2.889	-120	6.15	6.26	66.0828	1218.94	
10/10/2006	10:39:16	178	17.01	29.572	339.9	2.915	-127	6.2	5.09	53.5002	1217.28	
10/10/2006	10:40:16	238	16.94	29.571	337.9	2.968	-130	6.22	4.8	50.3792	1210.49	
10/10/2006	10:41:16	298	17	29.568	325.8	2.941	-140	6.36	4.63	48.7481	1212.72	
10/10/2006	10:42:15	357	17.24	29.567	321.9	2.968	-142	6.36	4.34	45.8471	1219.19	
10/10/2006	10:43:15	417	17.04	29.563	293	2.915	-145	6.38	4.38	46.0869	1212.08	
10/10/2006	10:44:15	477	16.97	29.563	280.8	2.941	-147	6.37	4.29	45.1229	1211.11	
10/10/2006	10:45:15	537	16.89	29.56	301.3	2.941	-149	6.39	4.11	43.1056	1209.5	
10/10/2006	10:46:16	598	16.91	29.557	291.7	2.889	-150	6.38	4.21	44.2255	1207.28	
10/10/2006	10:47:16	658	16.84	29.558	192.5	2.941	-151	6.37	4.13	43.3188	1207.31	
10/10/2006	10:48:15	717	16.75	29.556	163.7	2.889	-154	6.38	4.18	43.7489	1205.74	
10/10/2006	10:49:15	777	16.71	29.554	165.1	2.889	-155	6.38	4.15	43.3668	1205.47	
10/10/2006	10:50:15	837	16.78	29.554	160.5	2.889	-158	6.4	4.11	43.087	1211.25	
10/10/2006	10:51:14	896	16.82	29.554	161.5	2.968	-158	6.36	4.06	42.5182	1209.69	
10/10/2006	10:52:14	956	16.91	29.553	152	2.941	-160	6.39	3.91	41.0656	1211.96	
10/10/2006	10:53:14	1016	17.19	29.553	126.7	2.968	-162	6.38	3.86	40.7794	1217.79	
10/10/2006	10:54:13	1075	17.19	29.551	109.5	2.941	-163	6.37	3.85	40.7101	1211.33	
10/10/2006	10:55:12	1134	16.97	29.551	109	2.968	-166	6.38	3.82	40.1993	1210.34	
10/10/2006	10:56:12	1194	16.9	29.55	103.2	2.889	-167	6.37	3.87	40.6203	1208.38	
10/10/2006	10:57:11	1253	16.94	29.55	110.3	2.968	-169	6.38	3.85	40.4654	1210.58	
10/10/2006	10:58:11	1313	16.87	29.548	102.4	2.968	-170	6.37	3.76	39.4581	1208.31	
10/10/2006	10:59:11	1373	16.78	29.545	93.5	2.968	-171	6.36	3.75	39.3286	1202.89	
10/10/2006	11:00:10	1432	16.74	29.546	93.2	2.941	-173	6.39	3.74	39.1253	1205.1	
10/10/2006	11:01:10	1492	16.7	29.546	95.4	2.941	-174	6.37	3.71	38.8509	1202.25	
10/10/2006	11:02:09	1551	16.74	29.545	93.6	2.941	-175	6.38	3.67	38.4071	1201.32	
10/10/2006	11:03:09	1611	16.84	29.545	82.8	2.968	-176	6.39	3.62	38.0224	1201.97	
10/10/2006	11:04:09	1671	16.93	29.547	82.2	2.968	-177	6.38	3.6	37.8287	1203.89	
10/10/2006	11:05:08	1730	16.88	29.546	93.1	2.889	-177	6.37	3.55	37.2845	1199.48	
10/10/2006	11:06:08	1790	16.81	29.546	93.6	2.889	-178	6.37	4.14	43.4138	1198.87	
10/10/2006	11:07:07	1849	16.84	29.545	98.4	2.968	-179	6.38	4.17	43.6959	1198.57	
10/10/2006	11:08:07	1909	16.88	29.545	83.9	2.968	-179	6.38	4.13	43.41	1200.49	
10/10/2006	11:09:06	1968	16.9	29.546	80.1	2.889	-180	6.39	4.1	43.0918	1199.89	
10/10/2006	11:10:06	2028	16.9	29.547	81.6	2.968	-179	6.37	4.06	42.6909	1200.55	
10/10/2006	11:11:07	2089	16.87	29.546	82.8	2.889	-180	6.38	4.05	42.5302	1199.61	
10/10/2006	11:12:06	2148	16.82	29.546	85.4	2.968	-180	6.37	4.04	42.3762	1197.08	
10/10/2006	11:13:06	2208	16.97	29.547	81.6	2.941	-180	6.36	3.98	41.8821	1201.13	
10/10/2006	11:14:05	2267	17.04	29.545	73.9	2.968	-180	6.37	3.95	41.6167	1201.73	
10/10/2006	11:15:05	2327	16.93	29.545	84.9	2.915	-181	6.38	3.93	41.3428	1200.1	
10/10/2006	11:16:05	2387	16.81	29.542	90.7	2.915	-182	6.38	3.92	41.1234	1196.93	
10/10/2006	11:17:05	2447	16.87	29.542	95.9	2.889	-182	6.37	3.85	40.4651	1197.86	
10/10/2006	11:18:04	2506	16.85	29.542	86	2.941	-182	6.37	3.82	40.1024	1197.85	
10/10/2006	11:19:04	2566	16.81	29.54	90	2.941	-182	6.36	3.8	39.8727	1197.54	
10/10/2006	11:20:03	2625	16.69	29.539	93.1	2.968	-182	6.35	3.8	39.7464	1194.11	

INSTRUCTIONS This is the raw data export format from the Win-Situ® Low Flow Cell data file HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095 17 001-HARTFORD WORKING GROUP-HMW-39C - 061011-10-11-2006 flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help An example template, InSituLowFlow xlt, is provided by the Win-Situ® Installation You may copy this template from the templat

Operator Name:	K_PUND
Company Name	BV-CLAYTON
Project Name:	HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095 17 001
Site Name:	HARTFORD WORKING GROUP
Well ID.	HMW-39C - 061011

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0	[%]
ORP Sensor	Installed	Target Value	10 [mV]	Target Pecent	0	[%]
DO Sensor.	Installed	Target Value	0 3 [mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	0 1 [µS/cm]	Target Pecent	3	[%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10	[%]

Pump Model/Type:	Dedicated
Tubing Type:	polyethylene
Tubing Diam:	0.17 [in]
Tubing Length:	41 [ft]
Well Depth	42 [ft]
Well Diam	2 [in]
Screen Len	116 4 [in]
Screen Depth.	31 73 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water.	31 4 [ft]
Pump Level (TOC).	33 4 [ft]

Final Pumping Rate:	360 [mL/min]
Stable Draw Down:	0 13 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (187 5 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume	304 46 [mL]
Actual Total Volume	304 46 [mL]
Calculated Measurement Interval.	51 [sec]
Actual Measurement Interval	51 [sec]

Start date/time.	10/11/2006	15 08 27
End date/time	10/11/2006	15.16 40
Total Time	0 08 13	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	7.09	0	-135.78	-2.53	0.33	-0.02			969.58	-1.67	12.65	3.05	15.84	0.05	15.12.46
3	7.09	0	-138.13	-2.36	0.32	-0.01			964.4	-5.17	11.42	-1 23	15.78	-0.07	15.13.38
2	7.09	0	-140.36	-2.23	0 31	-0.01			963.78	-0.62	7.64	-3.88	15.82	0 04	15.14.28
1	7.09	-0.01	-141.86	-1.5	0.29	-0.02			961.73	-2.05	8.33	0.79	15.79	-0.03	15:15.20
0	7.09	0.01	-143.83	-1 97	0.29	0			962.75	1.02	5.24	-3.08	15.78	-0.01	15:16:12

pH Min:	7.09
pH Max:	7.09
ORP Min:	-143.83
ORP Max:	-135.78
DO Min:	0.29
DO Max:	0.33
RDO Min:	
RDO Max:	
Cond Min:	961.73
Cond Max:	969.58
Turb Min:	5.24
Turb Max:	12.65
Temp Min:	15.78
Temp Max:	15.84

Notes: TURB=\<10 NTU

Device Record:

In-Situ Inc. Troll 9000 Profiler XP

Report generated: 10/21/2006 14:04:07
Report from file: ...\HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001-HARTFORD WORKING GROUP-HMW-39C - 061011-10-11-2006.flo.bin
Win-Situ® Version 4.57.0.0

Serial number: 45253
Firmware Version 2
Unit name: MP Troll 9000

Test name: LowFlow

Test defined on: 10/11/2006 15:08:27
Test started on: 10/11/2006 15:08:27
Test stopped on: N/A N/A

Data gathered using Event testing
Time between data points: 0.0 Seconds.
Time between default storages: 0.0 Seconds.
Monitoring data on channel [1]
Data stored if delta value exceeds: 0 Celsius
Number of data samples: 10

TOTAL DATA SAMPLES 10

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm	Actual Conductivity
10/11/2006	15:08:27	0	15.6	29.133	30.1	2.837	-119	7.07	0.49	5.1106	990.44	
10/11/2006	15:09:18	51	15.79	29.133	26.7	2.863	-123	7.07	0.41	4.3089	980.97	
10/11/2006	15:10:10	103	15.81	29.132	14.5	2.863	-128	7.06	0.39	4.0094	975.67	
10/11/2006	15:11:02	155	15.85	29.133	15.8	2.863	-130	7.06	0.36	3.75	974.61	
10/11/2006	15:11:54	207	15.8	29.134	9.6	2.889	-133	7.06	0.34	3.586	971.25	
10/11/2006	15:12:46	259	15.84	29.132	12.6	2.889	-136	7.09	0.33	3.4112	969.58	
10/11/2006	15:13:38	311	15.78	29.131	11.4	2.863	-138	7.09	0.32	3.2912	964.4	
10/11/2006	15:14:28	361	15.82	29.13	7.5	2.863	-140	7.09	0.31	3.2014	963.78	
10/11/2006	15:15:20	413	15.79	29.131	8.3	2.863	-142	7.09	0.29	3.0355	961.73	
10/11/2006	15:16:12	465	15.78	29.132	5.2	2.863	-144	7.09	0.29	3.0358	962.75	

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001-HARTFORD WORKING GROUP-HMW-40C-10-10-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates subfol

Operator Name:	K_PUND						
Company Name:	BV-CLAYTON						
Project Name:	HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001						
Site Name:	HARTFORD WORKING GROUP						
Well ID:	HMW-40C						
pH Sensor:	Installed	Target Value	0.1	[pH]	Target Pecent	0	[%]
ORP Sensor:	Installed	Target Value	10	[mV]	Target Pecent	0	[%]
DO Sensor:	Installed	Target Value	0.3	[mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	1	[µS/cm]	Target Pecent	0.3	[%]
Turb Sensor:	Installed	Target Value	0.1	[NTU]	Target Pecent	10	[%]

Pump Model/Type:	*10960*	
Tubing Type:	polyethylene	
Tubing Diam:	0.17	[in]
Tubing Length:	40	[ft]
Well Depth:	39	[ft]
Well Diam:	2	[in]
Screen Len:	176.4	[in]
Screen Depth:	23.49	[ft]
Pump Inlet Depth:	0	[in]
Depth to Water:	29.81	[ft]
Pump Level (TOC):	31.81	[ft]
Final Pumping Rate:	420	[mL/min]
Stable Draw Down:	0.11	[ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (178.5 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)	
Calculated Total Volume:	295.54	[mL]
Actual Total Volume:	295.54	[mL]
Calculated Measurement Interval:	43	*[sec]*
Actual Measurement Interval:	43	[sec]
Start date/time:	10/10/2006	9:49:17
End date/time:	10/10/2006	10:02:58
Total Time:	0:13:41	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.91	0.01	-108.52	-1.11	0.19	-0.01			737.28	0.36	803.24	3.15	15.9	0	9:59:30
3	6.91	0	-109.25	-0.73	0.19	0			737.76	0.48	789.41	-13.83	15.89	-0.01	10:00:13
2	6.91	0	-109.76	-0.51	0.19	0			737.76	0	807.96	18.56	15.9	0.01	10:00:57
1	6.91	0	-110.19	-0.43	0.19	0			736.67	-1.09	783.22	-24.74	15.88	-0.02	10:01:41
0	6.91	0	-110.49	-0.3	0.19	0			737.28	0.6	769.32	-13.91	15.87	0	10:02:25

pH Min:	6.91
pH Max:	6.91
ORP Min:	-110.49
ORP Max:	-108.52
DO Min:	0.19
DO Max:	0.19
RDO Min:	
RDO Max:	
Cond Min:	736.67
Cond Max:	737.76
Turb Min:	769.32
Turb Max:	807.96
Temp Min:	15.87
Temp Max:	15.9

Notes.

Device Record

In-Situ Inc.	Troll 9000 Profiler XP
Report generated.	10/21/2006 14 09:52
Report from file.	..\HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095 17 001-HARTFORD WORKING GROUP-HMW-40C-10-10-2006 flo bin
Win-Situ® Version	4.57 0.0
Serial number:	45253
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/10/2006 9 49.17
Test started on:	10/10/2006 9 49:17
Test stopped on	N/A N/A

Data gathered using Event testing

Time between data points	0 0	Seconds
Time between default storages.	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples	19	

TOTAL DATA SAMPLES 19

Channel number [1]
Measurement type Temperature
Channel name

Channel number [3]
Measurement type Barometric Pressure
Channel name

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/10/2006	9:49:17	0	15.93	29.591	833.2	2.837	-93	6.87	0.24	2.4297	738.42
10/10/2006	9:49:59	42	15.93	29.59	826.8	2.863	-95	6.88	0.22	2.2627	737.93
10/10/2006	9:50:43	86	15.91	29.59	824.8	2.863	-96	6.88	0.22	2.222	739.02
10/10/2006	9:51:27	130	15.92	29.59	802	2.863	-97	6.88	0.21	2.1788	738.89
10/10/2006	9:52:11	174	15.91	29.592	849.9	2.863	-98	6.88	0.2	2.0952	738.16
10/10/2006	9:52:55	218	15.91	29.592	805.7	2.889	-99	6.88	0.2	2.0948	737.06
10/10/2006	9:53:39	262	15.9	29.592	833.2	2.863	-100	6.88	0.2	2.0531	735.61
10/10/2006	9:54:22	305	15.92	29.591	840.1	2.889	-102	6.89	0.2	2.0507	735.85
10/10/2006	9:55:06	349	15.91	29.59	866.7	2.863	-103	6.89	0.2	2.0092	736.33
10/10/2006	9:55:50	393	15.91	29.59	817.1	2.889	-104	6.89	0.19	1.9667	737.05
10/10/2006	9:56:34	437	15.91	29.589	822.4	2.863	-105	6.9	0.19	1.9659	737.65
10/10/2006	9:57:19	482	15.9	29.587	851.9	2.889	-106	6.9	0.19	1.9664	737.41
10/10/2006	9:58:03	526	15.89	29.587	814.5	2.863	-106	6.9	0.19	1.9665	736.56
10/10/2006	9:58:46	569	15.9	29.587	800.1	2.889	-107	6.9	0.2	2.0072	736.92
10/10/2006	9:59:30	613	15.9	29.587	803.2	2.889	-109	6.91	0.19	1.9236	737.28
10/10/2006	10:00:13	656	15.89	29.589	789.4	2.889	-109	6.91	0.19	1.9235	737.76
10/10/2006	10:00:57	700	15.9	29.587	808	2.889	-110	6.91	0.19	1.923	737.76
10/10/2006	10:01:41	744	15.88	29.588	783.2	2.889	-110	6.91	0.19	1.9242	736.67
10/10/2006	10:02:25	788	15.87	29.585	769.3	2.863	-110	6.91	0.19	1.9243	737.28

INSTRUCTIONS This is the raw data export format from the Win-Situ® Low Flow Cell data file Hartford Quarterly Groundwater Sampling - 07003-003095 17-001-Hartford Working Group -HMW-43C-10-10-2006 flo To Generate a report insert a new sheet based on a sheet template See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation You may copy this template from the templates subfo

Operator Name:	S_Wright
Company Name:	BV-Clayton
Project Name:	Hartford Quarterly Groundwater Sampling - 07003-003095 17-001
Site Name:	Hartford Working Group
Well ID	HMW-43C/061010

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0 [%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0 [%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0 [%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3 [%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10 [%]

Pump Model/Type:	11252
Tubing Type:	polyethylene
Tubing Diam:	0.17 [in]
Tubing Length:	45 [ft]
Well Depth:	41 [ft]
Well Diam:	2 [in]
Screen Len	116.4 [in]
Screen Depth	30.77 [ft]
Pump Inlet Depth	0 [in]
Depth to Water	32.99 [ft]
Pump Level (TOC):	34.99 [ft]

Final Pumping Rate	416 [mL/min]
Stable Draw Down	0 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (200.9 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	317.85 [mL]
Actual Total Volume:	317.85 [mL]
Calculated Measurement Interval:	46 [sec]
Actual Measurement Interval:	46 [sec]

Start date/time	10/10/2006	12:47:10
End date/time:	10/10/2006	12:53:14
Total Time:	0:06:04	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.6	0.03	65.42	2.01	0.99	0.36			1047.65	1.87	23.53	-1.32	16.39	-0.11	12:49:28
3	6.62	0.02	-67	-1.58	0.85	-0.14			1046.49	-1.17	23.49	-0.04	16.34	-0.05	12:50:15
2	6.63	0.01	-68.2	-1.2	0.68	-0.18			1047.89	1.4	23.14	-0.35	16.34	0	12:51:01
1	6.64	0.01	-69.05	-0.85	0.55	-0.13			1046.95	-0.94	25.51	2.37	16.27	-0.07	12:51:48
0	6.65	0.01	-69.9	-0.85	0.49	-0.06			1044.62	-2.33	24.33	-1.18	16.26	-0.01	12:52:34

pH Min:	6.6
pH Max:	6.65
ORP Min:	-69.9
ORP Max:	-65.42
DO Min:	0.49
DO Max:	0.99
RDO Min:	
RDO Max:	
Cond Min:	1044.62
Cond Max:	1047.89
Turb Min:	23.14
Turb Max:	25.51
Temp Min:	16.26
Temp Max:	16.39

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Pro XP
Report generated:	10/21/2006 15:08:12
Report from file:	...\Hartford Quarterly Groundwater Sampling - 07003-003095.17-001-Hartford Working Group -HMW-43C-10-10-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45292
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/10/2006 12:47:10
Test started on:	10/10/2006 12:47:10
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	8	

TOTAL DATA SAMPLES 8

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [26]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[26] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm	Actual Conductivity
10/10/2006	12:47:10	0	17.41	29.512	29.1	2.811	-55	6.47	3.44	36.521	1071.57	
10/10/2006	12:47:55	45	16.66	29.512	26	2.811	-59	6.53	2.02	21.0706	1054.01	
10/10/2006	12:48:42	92	16.5	29.511	24.9	2.811	-63	6.57	1.34	14.0181	1049.53	
10/10/2006	12:49:28	138	16.39	29.51	23.5	2.811	-65	6.6	0.99	10.2933	1047.65	
10/10/2006	12:50:15	185	16.34	29.509	23.5	2.785	-67	6.62	0.85	8.8792	1046.49	
10/10/2006	12:51:01	231	16.34	29.507	23.4	2.759	-68	6.63	0.68	7.0337	1047.89	
10/10/2006	12:51:48	278	16.27	29.506	25.5	2.811	-69	6.64	0.55	5.7096	1046.95	
10/10/2006	12:52:34	324	16.26	29.505	24.3	2.811	-70	6.65	0.49	5.0652	1044.62	

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:07003-003095.17-001-HWG-HMW-44D-061011-10-11-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your

Operator Name:	N_DENNIS
Company Name:	BV-CLAYTON
Project Name:	07003-003095.17-001
Site Name:	HWG
Well ID:	HMW-44D-061011

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0	[%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0	[%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3	[%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10	[%]

Pump Model/Type:	11251	
Tubing Type:	POLYETHYLENE	
Tubing Diam:	0.17	[in]
Tubing Length:	50	[ft]
Well Depth:	50	[ft]
Well Diam:	2	[in]
Screen Len:	60	[in]
Screen Depth:	45	[ft]
Pump Inlet Depth:	0	[in]
Depth to Water:	34.15	[ft]
Pump Level (TOC):	45	[ft]

Final Pumping Rate:	458	[mL/min]
Stable Draw Down:	0.3	[ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (219.6 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)	
Calculated Total Volume:	336.6	[mL]
Actual Total Volume:	336.6	[mL]
Calculated Measurement Interval:	45	[sec]
Actual Measurement Interval:	45	[sec]

Start date/time:	10/11/2006	12:56:05
End date/time:	10/11/2006	13:10:17
Total Time:	0:14:12	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.66	-0.01	-91.81	0.39	3.18	-0.02			1055.78	-0.73	5.14	0.32	16.25	0.01	13:06:43
3	6.67	0	-92.37	-0.56	3.16	-0.02			1056.02	0.24	6.14	0.99	16.24	-0.01	13:07:28
2	6.68	0.01	-93.26	-0.9	3.17	0			1055.04	-0.98	3.32	-2.81	16.25	0.01	13:08:14
1	6.67	-0.01	-93.31	-0.04	3.15	-0.02			1054.31	-0.73	3.33	0.01	16.24	-0.01	13:09:00
0	6.66	-0.01	-92.84	0.47	3.15	0			1055.77	1.46	3.13	-0.2	16.23	-0.01	13:09:46

pH Min:	6.66
pH Max:	6.68
ORP Min:	-93.31
ORP Max:	-91.81
DO Min:	3.15
DO Max:	3.18
RDO Min:	
RDO Max:	
Cond Min:	1054.31
Cond Max:	1056.02
Turb Min:	3.13
Turb Max:	6.14
Temp Min:	16.23
Temp Max:	16.25

Notes

Device Record.

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 11 54:10
Report from file:	.\07003-003096.17-001-HWG-HMW-44D-061011-10-11-2006 flo bin
Win-Situ® Version	4 57 0 0
Serial number:	45249
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/11/2006 12:56:05
Test started on:	10/11/2006 12:56:05
Test stopped on	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages.	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	19	

TOTAL DATA SAMPLES 19

Channel number [1]
Measurement type Temperature
Channel name

Channel number [3]
Measurement type. Barometric Pressure
Channel name

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/11/2006	12:56:05	0	16.8	29.149	9.6	2.863	-65	6.45	5.64	59.9651	1086.99
10/11/2006	12:56:49	44	16.51	29.148	10.9	2.915	-78	6.6	4.49	47.3579	1064.46
10/11/2006	12:57:35	90	16.44	29.147	9.6	2.863	-82	6.63	4.01	42.2963	1059.5
10/11/2006	12:58:20	135	16.37	29.146	9.1	2.889	-84	6.64	3.75	39.5007	1058.99
10/11/2006	12:59:06	181	16.36	29.146	9.7	2.863	-86	6.65	3.58	37.73	1062.43
10/11/2006	12:59:52	227	16.35	29.145	10.7	2.915	-87	6.65	3.49	36.7112	1060.45
10/11/2006	13:00:39	274	16.38	29.146	10.9	2.889	-88	6.66	3.4	35.8141	1062.9
10/11/2006	13:01:23	318	16.33	29.142	9.7	2.889	-90	6.68	3.35	35.2826	1057.98
10/11/2006	13:02:09	364	16.29	29.14	7.8	2.863	-90	6.68	3.31	34.8095	1058.47
10/11/2006	13:02:55	410	16.3	29.139	7.6	2.915	-91	6.68	3.28	34.4682	1059.21
10/11/2006	13:03:40	455	16.28	29.137	8.7	2.889	-91	6.68	3.25	34.1997	1057.74
10/11/2006	13:04:26	501	16.25	29.136	7.1	2.863	-92	6.68	3.22	33.8552	1056.28
10/11/2006	13:05:13	548	16.24	29.134	4.5	2.863	-92	6.68	3.21	33.7233	1054.57
10/11/2006	13:05:58	593	16.24	29.135	4.8	2.915	-92	6.68	3.2	33.5745	1056.51
10/11/2006	13:06:43	638	16.25	29.134	5.1	2.915	-92	6.66	3.18	33.4153	1055.78
10/11/2006	13:07:28	683	16.24	29.134	6.1	2.863	-92	6.67	3.16	33.206	1056.02
10/11/2006	13:08:14	729	16.25	29.13	3.3	2.863	-93	6.68	3.17	33.269	1055.04
10/11/2006	13:09:00	775	16.24	29.13	3.3	2.915	-93	6.67	3.15	33.0976	1054.31
10/11/2006	13:09:46	821	16.23	29.131	3.1	2.863	-93	6.66	3.15	33.0657	1055.77

INSTRUCTIONS This is the raw data export format from the Win-Situ® Low Flow Cell data file 07003-003095 17-001-HWQ-HMW-48D-061010-10-10-2006 flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your

Operator Name:	N_DENNIS
Company Name:	BV-CLAYTON
Project Name:	07003-003095 17-001
Site Name:	HWQ
Well ID:	HMW-48D-061010

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0	[%]
ORP Sensor	Installed	Target Value	10 [mV]	Target Pecent	0	[%]
DO Sensor	Installed	Target Value	0.3 [mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3	[%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10	[%]

Pump Model/Type:	11035	
Tubing Type:	POLYETHYLENE	
Tubing Diam:	0.17	[in]
Tubing Length:	53.5	[ft]
Well Depth:	53	[ft]
Well Diam:	2	[in]
Screen Len	116.4	[in]
Screen Depth	42.64	[ft]
Pump Inlet Depth	0	[in]
Depth to Water:	33.62	[ft]
Pump Level (TOC):	42.64	[ft]

Final Pumping Rate	390	[mL/min]
Stable Draw Down	0	[ft]
Total Volume Formula	Volume = cup (200 mL) + tubing (238.8 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)	
Calculated Total Volume:	355.79	[mL]
Actual Total Volume:	355.79	[mL]
Calculated Measurement Interval:	55	[sec]
Actual Measurement Interval	55	[sec]

Start date/time	10/10/2006	15:07:30
End date/time	10/10/2006	15:14:30
Total Time	0:07:00	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.17	0.15	-42.76	-10.92	3.65	-0.2			1012.9	-2	66.93	5.06	15.8	-0.03	15:10:15
3	6.16	-0.01	-42.51	0.25	3.55	-0.11			1004.48	-8.42	70.98	4.05	15.73	-0.08	15:11:12
2	6.16	0	-42.43	0.08	3.47	-0.08			1004.72	0.25	59.09	-11.89	15.76	0.04	15:12:07
1	6.15	-0.01	-43.08	-0.65	3.4	-0.06			1002.99	-1.73	57.57	-1.52	15.71	-0.05	15:13:03
0	6.15	0	-43.69	-0.61	3.35	-0.05			1001.7	-1.29	62.23	4.66	15.69	-0.02	15:13:58

pH Min:	6.15
pH Max:	6.17
ORP Min:	-43.69
ORP Max:	-42.43
DO Min:	3.35
DO Max:	3.65
RDO Min:	
RDO Max:	
Cond Min:	1001.7
Cond Max:	1012.9
Turb Min:	57.57
Turb Max:	70.98
Temp Min:	15.69
Temp Max:	15.8

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 12:02:37
Report from file:	...\07003-003095.17-001-HWG-HMW-48D-061010-10-10-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45249
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/10/2006 15:07:30
Test started on:	10/10/2006 15:07:30
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	8	

TOTAL DATA SAMPLES 8

Channel number [1]	
Measurement type:	Temperature
Channel name:	
Channel number [3]	
Measurement type:	Barometric Pressure
Channel name:	
Channel number [4]	
Measurement type:	Turbidity
Channel name:	
Channel number [5]	
Measurement type:	Battery Voltage
Channel name:	
Channel number [11]	
Measurement type:	ORP
Channel name:	
Channel number [12]	
Measurement type:	pH
Channel name:	
Channel number [25]	
Measurement type:	Dissolved Oxygen
Channel name:	

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm	Actual Conductivity
10/10/2006	15:07:30	0	16.33	29.448	81.5	2.915	-14	5.89	5.37	55.9029	1031.34	
10/10/2006	15:08:25	55	15.89	29.448	66.8	2.915	-29	6.01	4.35	44.906	1020.31	
10/10/2006	15:09:21	111	15.83	29.447	61.9	2.889	-32	6.03	3.85	39.6633	1014.89	
10/10/2006	15:10:15	165	15.8	29.445	66.9	2.915	-43	6.17	3.65	37.6167	1012.9	
10/10/2006	15:11:12	222	15.73	29.443	71	2.941	-43	6.16	3.55	36.4766	1004.48	
10/10/2006	15:12:07	277	15.76	29.441	59.1	2.941	-42	6.16	3.47	35.6464	1004.72	
10/10/2006	15:13:03	333	15.71	29.44	57.6	2.915	-43	6.15	3.4	34.9561	1002.99	
10/10/2006	15:13:58	388	15.69	29.439	62.2	2.941	-44	6.15	3.35	34.4559	1001.7	

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:07003-003095.17-001-HWG-HMW-49C-061011-10-11-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your

Operator Name:	N_DENNIS
Company Name:	BV-CLAYTON
Project Name:	07003-003095.17-001
Site Name:	HWG
Well ID:	HMW-49C-061011

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0	[%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0	[%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3	[%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10	[%]

Pump Model/Type:	11035
Tubing Type:	POLYETHYLENE
Tubing Diam:	0.17 [in]
Tubing Length:	45 [ft]
Well Depth:	39.5 [ft]
Well Diam:	2 [in]
Screen Len:	111.6 [in]
Screen Depth:	29.59 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water:	33.66 [ft]
Pump Level (TOC):	35.66 [ft]

Final Pumping Rate:	180 [mL/min]
Stable Draw Down:	1.5 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (200.9 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	317.85 [mL]
Actual Total Volume:	317.85 [mL]
Calculated Measurement Interval:	106 [sec]
Actual Measurement Interval:	106 [sec]

Start date/time:	10/11/2006	9:11:30
End date/time:	10/11/2006	9:28:15
Total Time:	0:16:45	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.5	0	-93.68	-0.25	3.31	-0.09			819.05	0.14	150.42	-36.82	17.07	-0.02	9:20:26
3	6.5	0	-94.41	-0.72	3.26	-0.05			819.04	-0.01	121.86	-28.56	17.06	-0.01	9:22:14
2	6.5	0	-94.79	-0.38	3.24	-0.02			819.47	0.43	92.89	-28.97	17.05	-0.01	9:24:01
1	6.5	0	-95.38	-0.6	3.22	-0.02			819.76	0.29	90.13	-2.76	17.06	0.01	9:25:49
0	6.5	0	-96.24	-0.85	3.21	-0.01			822.26	2.5	87.56	-2.58	17.09	0.03	9:27:36

pH Min:	6.5
pH Max:	6.5
ORP Min:	-96.24
ORP Max:	-93.68
DO Min:	3.21
DO Max:	3.31
RDO Min:	
RDO Max:	
Cond Min:	819.04
Cond Max:	822.26
Turb Min:	87.56
Turb Max:	150.42
Temp Min:	17.05
Temp Max:	17.09

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 12:10:03
Report from file:	...\07003-003095.17-001-HWG-HMW-49C-061011-10-11-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45249
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/11/2006 9:11:30
Test started on:	10/11/2006 9:11:30
Test stopped on	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	10	

TOTAL DATA SAMPLES 10

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/11/2006	9:11:30	0	14.78	29.139	477.8	2.915	117	7.05	10.32	104.6304	5.88
10/11/2006	9:13:18	108	17.5	29.141	182.8	2.915	-102	6.48	5.98	64.4045	850.77
10/11/2006	9:15:05	215	17.13	29.142	171.5	2.889	-97	6.49	3.87	41.3895	825.29
10/11/2006	9:16:51	321	17.12	29.142	185.8	2.915	-94	6.5	3.57	38.1861	822.02
10/11/2006	9:18:40	430	17.09	29.143	187.2	2.915	-93	6.49	3.4	36.3541	818.92
10/11/2006	9:20:26	536	17.07	29.146	150.4	2.863	-94	6.5	3.31	35.361	819.05
10/11/2006	9:22:14	644	17.06	29.146	121.9	2.941	-94	6.5	3.26	34.795	819.04
10/11/2006	9:24:01	751	17.05	29.149	92.9	2.941	-95	6.5	3.24	34.5167	819.47
10/11/2006	9:25:49	859	17.06	29.149	90.1	2.941	-95	6.5	3.22	34.3568	819.76
10/11/2006	9:27:36	966	17.09	29.15	87.6	2.941	-96	6.5	3.21	34.2179	822.26

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:07003-003095.17-001-HWG-HMW-49D-061009-10-10-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your

Operator Name:	N_DENNIS
Company Name:	BV-CLAYTON
Project Name:	07003-003095.17-001
Site Name:	HWG
Well ID:	HMW-49D-061009

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0 [%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0 [%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0 [%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3 [%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10 [%]

Pump Model/Type:	11035
Tubing Type:	POLYETHYLENE
Tubing Diam:	0.17 [in]
Tubing Length:	54 [ft]
Well Depth:	51 [ft]
Well Diam:	2 [in]
Screen Len:	115.2 [in]
Screen Depth:	40.72 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water:	35.5 [ft]
Pump Level (TOC):	41.06 [ft]

Final Pumping Rate:	390 [mL/min]
Stable Draw Down:	0 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (241.0 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	358.03 [mL]
Actual Total Volume:	358.03 [mL]
Calculated Measurement Interval:	56 [sec]
Actual Measurement Interval:	56 [sec]

Start date/time:	10/10/2006	13:13:43
End date/time:	10/10/2006	13:42:37
Total Time:	0:28:54	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.27	-0.01	-75.4	-0.81	7.12	-0.13			946.89	-2.18	91.61	7.99	17.05	-0.07	13:38:18
3	6.26	-0.01	-75.83	-0.42	6.96	-0.16			948.63	1.75	77.69	-13.92	17.05	0	13:39:14
2	6.28	0.02	-77.75	-1.92	6.8	-0.16			955.15	6.51	78.72	1.03	17.09	0.04	13:40:10
1	6.26	-0.02	-76.76	0.99	6.66	-0.13			953.73	-1.41	77.46	-1.26	17.02	-0.06	13:41:07
0	6.27	0.01	-78.33	-1.58	6.45	-0.21			957.09	3.36	75.26	-2.2	17.2	0.18	13:42:09

pH Min:	6.26
pH Max:	6.28
ORP Min:	-78.33
ORP Max:	-75.4
DO Min:	6.45
DO Max:	7.12
RDO Min:	
RDO Max:	
Cond Min:	946.89
Cond Max:	957.09
Turb Min:	75.26
Turb Max:	91.61
Temp Min:	17.02
Temp Max:	17.2

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 12:16:47
Report from file:	...\07003-003095.17-001-HWG-HMW-49D-061009-10-10-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45249
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/10/2006 13:13:43
Test started on:	10/10/2006 13:13:43
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	31	

TOTAL DATA SAMPLES 31

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [26]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[26] Clark DO milligrams/L	Chan[26] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/10/2006	13:13:43	0	21.38	29.494	35.3	2.915	-39	6.81	9.66	111.2097	453.14
10/10/2006	13:14:40	57	18.34	29.495	23.2	2.941	22	5.84	5.45	58.6973	409.48
10/10/2006	13:15:37	114	17.8	29.494	533.7	2.941	-3	6.04	5.55	59.3784	443.81
10/10/2006	13:16:33	170	17.79	29.495	21	2.941	-26	6.12	4.29	45.8902	489.46
10/10/2006	13:17:31	228	17.79	29.493	21.9	2.941	-40	6.15	4.26	45.5586	530.94
10/10/2006	13:18:28	285	17.73	29.492	88.9	2.915	-44	6.14	6.42	68.5266	575.58
10/10/2006	13:19:24	341	17.73	29.491	58.1	2.915	-54	6.23	8.7	92.9213	623.94
10/10/2006	13:20:21	398	17.77	29.49	48.1	2.941	-59	6.24	8.69	92.8877	658.06
10/10/2006	13:21:18	455	17.74	29.488	38.7	2.941	-61	6.23	6.72	71.838	694.43
10/10/2006	13:22:14	511	17.69	29.487	75.3	2.889	-62	6.23	8.51	90.8591	733.52
10/10/2006	13:23:11	568	17.76	29.487	112.3	2.941	-62	6.23	8.82	94.3701	766.98
10/10/2006	13:24:08	625	17.72	29.485	71.5	2.941	-62	6.23	8.91	95.2917	796.78
10/10/2006	13:25:04	681	17.68	29.484	66.6	2.941	-62	6.22	8.62	92.0974	824.81
10/10/2006	13:26:01	738	17.66	29.483	110.7	2.889	-61	6.21	7.11	75.9108	844.81
10/10/2006	13:26:57	794	17.69	29.482	75.9	2.941	-61	6.22	7.24	77.3402	859.86
10/10/2006	13:27:55	852	17.81	29.482	107.9	2.941	-59	6.24	6.45	69.1583	881.07
10/10/2006	13:28:51	908	17.91	29.482	81.3	2.941	-59	6.26	6.84	73.4685	898.02
10/10/2006	13:29:47	964	18.04	29.482	86.9	2.889	-59	6.27	5.76	61.9655	905.5
10/10/2006	13:30:45	1022	18.02	29.481	135.1	2.941	-55	6.23	6.28	67.6147	904.07
10/10/2006	13:31:41	1078	17.24	29.484	54.5	2.941	-62	6.26	8.62	91.32	913.1
10/10/2006	13:32:37	1134	17.02	29.484	66.9	2.941	65	6.25	8.58	90.4704	916.39
10/10/2006	13:33:35	1192	17.07	29.485	59.4	2.941	-69	6.25	8.19	86.4531	922.5
10/10/2006	13:34:31	1248	17.04	29.484	67.4	2.941	-71	6.26	7.91	83.3974	930.94
10/10/2006	13:35:28	1305	17.05	29.484	83.5	2.941	-72	6.27	7.65	80.7327	937.03
10/10/2006	13:36:24	1361	17.1	29.483	78.9	2.915	-73	6.26	7.44	78.5310	943.01
10/10/2006	13:37:20	1417	17.12	29.48	83.6	2.941	-75	6.27	7.25	76.6143	949.07
10/10/2006	13:38:18	1475	17.05	29.476	91.6	2.941	-75	6.27	7.12	75.0987	946.89
10/10/2006	13:39:14	1531	17.05	29.476	77.7	2.941	-76	6.26	6.96	73.4156	948.63
10/10/2006	13:40:10	1587	17.09	29.474	78.7	2.941	-78	6.28	6.8	71.7664	955.15
10/10/2006	13:41:07	1644	17.02	29.472	77.5	2.941	-77	6.26	6.66	70.2817	953.73
10/10/2006	13:42:09	1706	17.2	29.473	75.3	2.941	-78	6.27	6.45	68.2935	957.09

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001-HARTFORD WORKING GROUP-HMW-50A-061010-10-10-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates

Operator Name:	K_PUND					
Company Name:	BV-CLAYTON					
Project Name:	HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001					
Site Name:	HARTFORD WORKING GROUP					
Well ID:	HMW-50A-061010					
pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0 [%]	
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0 [%]	
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0 [%]	
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3 [%]	
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10 [%]	
Pump Model/Type:	10960					
Tubing Type:	polyethylene					
Tubing Diam:	0.17 [in]					
Tubing Length:	30 [ft]					
Well Depth:	27 [ft]					
Well Diam:	2 [in]					
Screen Len:	111.6 [in]					
Screen Depth:	20.14 [ft]					
Pump Inlet Depth:	0 [in]					
Depth to Water:	24.32 [ft]					
Pump Level (TOC):	25.5 [ft]					
Final Pumping Rate:	50 [mL/min]					
Stable Draw Down:	0.09 [ft]					
Total Volume Formula:	Volume = cup (200 mL) + tubing (133.9 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)					
Calculated Total Volume:	250.9 [mL]					
Actual Total Volume:	250.9 [mL]					
Calculated Measurement Interval:	302 [sec]					
Actual Measurement Interval:	302 [sec]					
Start date/time:	10/10/2006	11:53:27				
End date/time:	10/10/2006	13:16:57				
Total Time:	1:23:30					

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.18	0	-68.71	-5.15	1.05	-0.27			1454.55	7.19	29.92	-4.15	17.46	0.14	12:54:44
3	6.18	0	-72.06	-3.35	0.87	-0.19			1454.71	0.16	30.73	0.81	17.38	-0.07	12:59:50
2	6.18	0	-76.97	-4.91	0.73	-0.13			1451.48	-3.23	26.27	-4.46	17.29	-0.09	13:04:59
1	6.19	0.01	-80.86	-3.89	0.7	-0.04			1451.51	0.04	27.06	0.78	17.25	-0.05	13:10:05
0	6.19	0	-84.37	-3.51	0.62	-0.08			1447.75	-3.76	24.84	-2.22	17.21	-0.03	13:15:10

pH Min:	6.18
pH Max:	6.19
ORP Min:	-84.37
ORP Max:	-68.71
DO Min:	0.62
DO Max:	1.05
RDO Min:	
RDO Max:	
Cond Min:	1447.75
Cond Max:	1454.71
Turb Min:	24.84
Turb Max:	30.73
Temp Min:	17.21
Temp Max:	17.46

Notes WOULDN'T STABILIZE ABOVE 100 ml/min.

Device Record

In-Situ Inc Troll 9000 Profiler XP

Report generated 10/21/2006 14:18:50
Report from file: \HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17 001-HARTFORD WORKING GROUP-HMW-50A-061010-10-10-2006 flo bin
Win-Situ® Version 4.57.0.0

Serial number: 45253
Firmware Version 2
Unit name: MP Troll 9000

Test name LowFlow

Test defined on: 10/10/2006 11:53:27
Test started on: 10/10/2006 11:53:27
Test stopped on N/A N/A

Data gathered using Event testing
Time between data points: 0.0 Seconds.
Time between default storages: 0.0 Seconds.
Monitoring data on channel [1]
Data stored if delta value exceeds: 0 Celsius
Number of data samples: 17

TOTAL DATA SAMPLES 17

Channel number [1]
Measurement type Temperature
Channel name

Channel number [3]
Measurement type Barometric Pressure
Channel name.

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [26]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/10/2006	11:53:27	0	18.15	29.534	148.3	2.837	5	6.42	1.62	17.4772	1478.07
10/10/2006	11:58:32	305	17.7	29.53	147.7	2.837	-7	6.36	1.08	11.5921	1462.62
10/10/2006	12:03:37	610	17.5	29.519	147.5	2.837	-14	6.31	0.87	9.2565	1455.82
10/10/2006	12:08:43	916	17.31	29.51	117.5	2.837	-24	6.29	0.79	8.4333	1449.51
10/10/2006	12:13:49	1222	17.24	29.502	108.7	2.811	-34	6.28	0.71	7.5666	1446.97
10/10/2006	12:18:56	1529	17.19	29.504	100.2	2.837	-41	6.26	0.65	6.9291	1444.95
10/10/2006	12:24:01	1834	17.11	29.507	85.5	2.811	-46	6.24	0.65	6.8223	1444.39
10/10/2006	12:29:09	2142	17.12	29.509	72.1	2.837	-51	6.23	0.6	6.3782	1443.9
10/10/2006	12:34:16	2449	17.12	29.51	61.7	2.863	-54	6.21	0.58	6.0965	1444.36
10/10/2006	12:39:25	2758	17.18	29.505	55	2.837	-58	6.21	1.18	12.5219	1445.79
10/10/2006	12:44:29	3062	17.2	29.502	40.8	2.837	-60	6.19	1.46	15.4323	1445.38
10/10/2006	12:49:36	3369	17.31	29.5	34.1	2.837	-64	6.18	1.32	13.9904	1447.36
10/10/2006	12:54:44	3677	17.46	29.497	29.9	2.811	-69	6.18	1.05	11.1995	1454.55
10/10/2006	12:59:50	3983	17.38	29.493	30.7	2.837	-72	6.18	0.87	9.2134	1454.71
10/10/2006	13:04:59	4292	17.29	29.486	26.3	2.837	-77	6.18	0.73	7.7739	1451.48
10/10/2006	13:10:05	4598	17.24	29.484	27.1	2.863	-81	6.19	0.7	7.3899	1451.51
10/10/2006	13:15:10	4903	17.21	29.481	24.8	2.811	-84	6.19	0.62	6.5593	1447.75

INSTRUCTIONS This is the raw data export format from the Win-Situ® Low Flow Cell data file 07003-003095 17-001-HWO-HMW-50C-061009-10-9-2006 flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your

Operator Name:	T_GRISEL					
Company Name:	BV-CLAYTON					
Project Name:	07003-003095.17-001					
Site Name:	HWO					
Well ID:	HMW-50C-061009					
pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0 [%]	
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0 [%]	
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0 [%]	
Cond Sensor:	Installed	Target Value	0.1 [mS/cm]	Target Pecent	3 [%]	
Turb Sensor	Installed	Target Value	1 [NTU]	Target Pecent	10 [%]	
Pump Model/Type:	11035					
Tubing Type:	POLYETHYLENE					
Tubing Diam:	0.17 [in]					
Tubing Length:	55 [ft]					
Well Depth:	55 [ft]					
Well Diam	2 [in]					
Screen Len	115 2 [in]					
Screen Depth	47 88 [ft]					
Pump Inlet Depth	0 [in]					
Depth to Water	38 77 [ft]					
Pump Level (TOC)	47 88 [ft]					
Final Pumping Rate	430 [mL/min]					
Stable Draw Down	0 03 [ft]					
Total Volume Formula	Volume = cup (200 mL) + tubing (241 0 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)					
Calculated Total Volume	358 03 [mL]					
Actual Total Volume	358 03 [mL]					
Calculated Measurement Interval	50 [sec]					
Actual Measurement Interval	50 [sec]					
Start date/time	10/9/2006	16 30.26				
End date/time	10/9/2006	16 41 48				
Total Time	0 11 22					

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/l]	Variance	RDO []	Variance	Cond [mS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	7.29	0	-349 52	-0.78	4 49	-0 08			2 59	-0.01	103.14	-12.3	15 05	0 01	16.38.02
3	7 29	0	-350.42	-0 91	4.47	-0 02			2 58	0	99.14	-4	15.04	-0 01	16.38.52
2	7.3	0	-350.43	-0.01	4.38	-0 09			2.56	-0.02	113.9	14.76	15.05	0	16.39:43
1	7.3	0	-351.42	-0.99	4.32	-0 06			2.56	0	117.54	3.64	15.03	-0.02	16.40.34
0	7.29	0	-350.91	0.51	4.02	-0.29			2.55	-0.01	124.11	6.56	15.1	0.07	16:41.25

pH Min:	7.29
pH Max:	7.3
ORP Min:	-351.42
ORP Max:	-349.52
DO Min:	4.02
DO Max:	4.49
RDO Min:	
RDO Max:	
Cond Min:	2.55
Cond Max:	2.59
Turb Min:	99.14
Turb Max:	124.11
Temp Min:	15.03
Temp Max:	15.1

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 13:26:10
Report from file:	...\07003-003095.17-001-HWG-HMW-50C-061009-10-9-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45249
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/9/2006 16:30:26
Test started on:	10/9/2006 16:30:26
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	14	

TOTAL DATA SAMPLES 14

Channel number [1]	
Measurement type:	Temperature
Channel name:	
Channel number [3]	
Measurement type:	Barometric Pressure
Channel name:	
Channel number [4]	
Measurement type:	Turbidity
Channel name:	
Channel number [5]	
Measurement type:	Battery Voltage
Channel name:	
Channel number [11]	
Measurement type:	ORP
Channel name:	
Channel number [12]	
Measurement type:	pH
Channel name:	
Channel number [25]	
Measurement type:	Dissolved Oxygen
Channel name:	

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan(1) Temperature Celsius	Chan(3) Barometric Inches Hg	Chan(4) Turbidity NTU	Chan(5) Battery Volts	Chan(11) ORP millivolts	Chan(12) pH pH	Chan(25) Clark DO milligrams/L	Chan(25) Clark DO Sat %Saturation	Chan(45) Conductivity microSiemens/cm Actual Conductivity
10/9/2006	16:30:26	0	15.27	29.603	31.5	2.968	-329	7.07	5.1	52.0002	2651.24
10/9/2006	16:31:16	50	15.32	29.603	34.8	2.941	-331	7.08	4.35	44.3884	2651.31
10/9/2006	16:32:06	100	15.12	29.601	47.9	2.968	-335	7.11	4.06	41.1963	2631.71
10/9/2006	16:32:57	151	15.11	29.6	51.4	2.915	-336	7.13	3.87	39.3272	2627.31
10/9/2006	16:33:46	202	15.15	29.598	61.1	2.941	-337	7.13	4.72	47.9341	2639.46
10/9/2006	16:34:39	253	15.07	29.598	71	2.915	-338	7.15	4.8	48.6545	2612.68
10/9/2006	16:35:29	303	15.08	29.595	87.8	2.968	-347	7.28	4.72	47.8537	2614.3
10/9/2006	16:36:20	354	15.06	29.595	105.5	2.968	-348	7.29	4.66	47.3295	2617.43
10/9/2006	16:37:11	405	15.04	29.593	115.4	2.941	-349	7.29	4.57	46.3338	2594.06
10/9/2006	16:38:02	456	15.05	29.593	103.1	2.941	350	7.29	4.49	45.5675	2585.57
10/9/2006	16:38:52	506	15.04	29.592	99.1	2.968	350	7.29	4.47	45.3364	2581.45
10/9/2006	16:39:43	557	15.05	29.591	113.9	2.968	-350	7.3	4.38	44.3816	2560.16
10/9/2006	16:40:34	608	15.03	29.59	117.5	2.968	-351	7.3	4.32	43.7761	2556.09
10/9/2006	16:41:25	659	15.1	29.589	124.1	2.941	-351	7.29	4.02	40.8483	2549.17

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001-HARTFORD WORKING GROUP-HMW-52C-061010-10-10-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates

Operator Name:	K_PUND
Company Name:	BV-CLAYTON
Project Name:	HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001
Site Name:	HARTFORD WORKING GROUP
Well ID:	HMW-52C-061010

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0	[%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0	[%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3	[%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10	[%]

Pump Model/Type:	10960
Tubing Type:	polyethylene
Tubing Diam:	0.17 [in]
Tubing Length:	41 [ft]
Well Depth:	40 [ft]
Well Diam:	2 [in]
Screen Len:	175.2 [in]
Screen Depth:	24.62 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water:	31.62 [ft]
Pump Level (TOC):	33.62 [ft]

Final Pumping Rate:	270 [mL/min]
Stable Draw Down:	0.33 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (183.0 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	300 [mL]
Actual Total Volume:	300 [mL]
Calculated Measurement Interval:	67 [sec]
Actual Measurement Interval:	67 [sec]

Start date/time:	10/10/2006	15:56:24
End date/time:	10/10/2006	16:09:25
Total Time:	0:13:01	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.68	0	-166.74	-2.06	0.95	-0.12			1120.46	-0.02	102.24	2.52	16.58	-0.02	16:04:19
3	6.68	0	-172.23	-5.48	0.85	-0.1			1116.54	-3.92	126.44	24.2	16.46	-0.12	16:05:28
2	6.68	0	-174.88	-2.66	0.75	-0.1			1115.69	-0.85	90.01	-36.42	16.43	-0.02	16:06:37
1	6.69	0	-178.01	-3.13	0.67	-0.08			1115.4	-0.29	92.38	2.37	16.43	0	16:07:45
0	6.68	0	-181.86	-3.85	0.6	-0.07			1115.66	0.26	85.98	-6.4	16.41	-0.02	16:08:53

pH Min:	6.68
pH Max:	6.69
ORP Min:	-181.86
ORP Max:	-166.74
DO Min:	0.6
DO Max:	0.95
RDO Min:	
RDO Max:	
Cond Min:	1115.4
Cond Max:	1120.46
Turb Min:	85.98
Turb Max:	126.44
Temp Min:	16.41
Temp Max:	16.58

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 14:26:02
Report from file:	...\HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003096.17.001-HARTFORD WORKING GROUP-HMW-52C-061010-10-10-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45253
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/10/2006 15:56:24
Test started on:	10/10/2006 15:56:24
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	12	

TOTAL DATA SAMPLES 12

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/10/2006	15:56:24	0	16.59	29.42	286	2.837	-131	6.67	2.42	25.3543	1118.67
10/10/2006	15:57:31	67	16.64	29.421	244.5	2.837	-140	6.67	2.09	21.9188	1121.15
10/10/2006	15:58:40	136	16.63	29.417	178	2.863	-147	6.68	1.82	19.1164	1121.13
10/10/2006	15:59:48	204	16.6	29.416	142.4	2.889	-153	6.68	1.58	16.5983	1120.55
10/10/2006	16:00:56	272	16.63	29.414	131.5	2.863	-156	6.68	1.38	14.5013	1120.8
10/10/2006	16:02:04	340	16.62	29.414	157.8	2.863	-160	6.68	1.2	12.6291	1120.78
10/10/2006	16:03:11	407	16.6	29.413	99.7	2.837	-165	6.68	1.06	11.1636	1120.48
10/10/2006	16:04:19	475	16.58	29.412	102.2	2.863	-167	6.68	0.95	9.9433	1120.46
10/10/2006	16:05:28	544	16.46	29.41	126.4	2.863	-172	6.68	0.85	8.8346	1116.54
10/10/2006	16:06:37	613	16.43	29.41	90	2.863	-175	6.68	0.75	7.8132	1115.69
10/10/2006	16:07:45	681	16.43	29.41	92.4	2.889	-178	6.69	0.67	6.9903	1115.4
10/10/2006	16:08:53	749	16.41	29.41	86	2.837	-182	6.68	0.6	6.2139	1115.66

INSTRUCTIONS This is the raw data export format from the Win-Situ® Low Flow Cell data file 07003-003096 17-001-HWG-HMW-53C-061011-10-11-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help An example template, *InSituLowFlow.xlt, is provided by the Win-Situ® installation You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your*

Operator Name:	N_DENNIS
Company Name:	BV-CLAYTON
Project Name:	07003-003096.17-001
Site Name:	HWG
Well ID:	HMW-53C-061011

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0 [%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0 [%]
DO Sensor:	Installed	Target Value	0 3 [mg/L]	Target Pecent	0 [%]
Cond Sensor:	Installed	Target Value	0 1 [µS/cm]	Target Pecent	3 [%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10 [%]

Pump Model/Type:	11251
Tubing Type:	POLYETHYLENE
Tubing Diam:	0.17 [in]
Tubing Length:	47 [ft]
Well Depth:	47 [ft]
Well Diam:	2 [in]
Screen Len:	60 [in]
Screen Depth:	42 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water:	33 74 [ft]
Pump Level (TOC):	42 [ft]

Final Pumping Rate:	386 [mL/min]
Stable Draw Down:	0 3 [ft]
Total Volume Formula:	*Volume = cup (200 mL) + tubing (203 1 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)*
Calculated Total Volume:	320 09 [mL]
Actual Total Volume:	320 09 [mL]
Calculated Measurement Interval:	50 [sec]
Actual Measurement Interval:	50 [sec]

Start date/time:	10/11/2006	14 45 41
End date/time:	10/11/2006	15 36.02
Total Time:	0 50 21	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6 33	0	65 87	0	3 36	-0 05			1030 96	2 32	42 06	5 42	16 35	-0 01	15 32 11
3	6.32	-0 01	-65 27	0 6	3 32	-0 04			1028 18	-2.77	32 37	-9.7	16.36	0.01	15 33.02
2	6.33	0.01	-66.34	-1 07	3.31	-0 01			1027 5	-0.69	29.21	-3.16	16 35	-0.02	15.33:53
1	6.35	0.02	-67.37	-1.03	3.3	-0.01			1027.5	0	28.67	-0.54	16.36	0 01	15 34:44
0	6.35	0	-67.63	-0 26	3 29	-0 01			1027.27	-0.23	29.17	0.5	16.36	0	15.35.35

pH Min:	6.32
pH Max:	6.35
ORP Min:	-67.63
ORP Max:	-65.27
DO Min:	3.29
DO Max:	3.36
RDO Min:	
RDO Max:	
Cond Min:	1027.27
Cond Max:	1030.96
Turb Min:	28.67
Turb Max:	42.06
Temp Min:	16.35
Temp Max:	16.36

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 13:31:34
Report from file:	...\07003-003095.17-001-HWG-HMW-53C-061011-10-11-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45249
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/11/2006 14:45:41
Test started on:	10/11/2006 14:45:41
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	60	

TOTAL DATA SAMPLES 60

Channel number [1]	
Measurement type:	Temperature
Channel name:	
Channel number [3]	
Measurement type:	Barometric Pressure
Channel name:	
Channel number [4]	
Measurement type:	Turbidity
Channel name:	
Channel number [5]	
Measurement type:	Battery Voltage
Channel name:	
Channel number [11]	
Measurement type:	ORP
Channel name:	
Channel number [12]	
Measurement type:	pH
Channel name:	
Channel number [25]	
Measurement type:	Dissolved Oxygen
Channel name:	

Channel number [26]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [46]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[26] Clark DO milligrams/L	Chan[26] Clark DO Sat %Saturation	Chan[46] Conductivity microSiemens/cm Actual Conductivity
10/11/2006	14:45:41	0	16.66	29.139	206.8	2.837	11	5.84	4.97	52.6114	1082.72
10/11/2006	14:46:32	51	16.66	29.137	176.5	2.889	8	5.86	4.2	44.4786	1085.85
10/11/2006	14:47:23	102	16.67	29.136	162.3	2.915	5	5.87	3.98	42.1879	1089.94
10/11/2006	14:48:13	152	16.66	29.135	147.5	2.889	3	5.88	3.86	40.8909	1090.2
10/11/2006	14:49:04	203	16.65	29.133	133.1	2.915	0	5.89	4.02	42.5613	1089.93
10/11/2006	14:49:54	253	16.63	29.134	174.1	2.915	-3	5.92	4.24	44.9456	1092.26
10/11/2006	14:50:45	304	16.63	29.134	193.3	2.889	-5	5.92	4.03	42.6547	1091.2
10/11/2006	14:51:37	356	16.69	29.134	125	2.863	-9	5.94	3.89	41.2168	1094.83
10/11/2006	14:52:28	407	16.72	29.133	104.4	2.863	-11	5.94	4.03	42.7956	1096.36
10/11/2006	14:53:19	458	16.61	29.132	110.9	2.863	-14	5.96	3.98	42.1508	1095.79
10/11/2006	14:54:10	509	16.57	29.129	115.2	2.915	-15	5.96	3.92	41.5185	1089.22
10/11/2006	14:55:01	560	16.58	29.129	234.9	2.915	-18	5.99	3.9	41.2833	1093.09
10/11/2006	14:55:50	609	16.57	29.127	111.7	2.889	-21	6	3.99	42.2304	1093.84
10/11/2006	14:56:41	660	16.58	29.129	94.6	2.915	-22	5.99	3.87	40.969	1091.22
10/11/2006	14:57:33	712	16.52	29.127	91.5	2.915	-24	6.01	3.84	40.6014	1086.81
10/11/2006	14:58:23	762	16.5	29.126	100.8	2.915	-25	6.01	3.81	40.2579	1080.39
10/11/2006	14:59:14	813	16.47	29.125	82.6	2.889	-28	6.04	3.79	39.9995	1083.73
10/11/2006	15:00:05	864	16.47	29.126	75.2	2.889	-30	6.04	3.81	40.1872	1082.47
10/11/2006	15:00:56	915	16.45	29.126	73.1	2.863	-31	6.04	3.8	40.1399	1077.14
10/11/2006	15:01:46	965	16.43	29.126	81.4	2.889	-33	6.07	3.78	39.8994	1075.91
10/11/2006	15:02:37	1016	16.42	29.125	57.2	2.889	-36	6.09	3.74	39.4232	1075.69
10/11/2006	15:03:29	1068	16.4	29.126	51.3	2.889	-39	6.11	3.69	38.9243	1075.23
10/11/2006	15:04:19	1118	16.42	29.127	68.1	2.863	-39	6.1	3.7	38.9757	1070.99
10/11/2006	15:05:10	1169	16.39	29.127	66.7	2.889	-39	6.1	3.68	38.7392	1067.78
10/11/2006	15:06:00	1219	16.39	29.127	60.3	2.915	-41	6.12	3.68	38.7459	1064.84
10/11/2006	15:06:50	1269	16.38	29.126	69.4	2.915	-43	6.14	3.65	38.494	1063.39
10/11/2006	15:07:41	1320	16.39	29.127	59.8	2.915	-43	6.14	3.56	37.5739	1060.72
10/11/2006	15:08:32	1371	16.39	29.128	57.8	2.863	-45	6.16	3.5	36.905	1059.77
10/11/2006	15:09:23	1422	16.39	29.129	69.4	2.915	-47	6.16	3.46	36.4893	1059.07
10/11/2006	15:10:14	1473	16.37	29.128	71.8	2.863	-50	6.2	3.42	35.9909	1056.9
10/11/2006	15:11:04	1523	16.39	29.128	128.5	2.915	-50	6.19	3.41	35.9611	1054.74
10/11/2006	15:11:54	1573	16.4	29.129	73.3	2.915	-50	6.18	3.4	35.8358	1052.33
10/11/2006	15:12:45	1624	16.41	29.13	60	2.915	-49	6.17	3.42	36.0091	1048.74
10/11/2006	15:13:36	1675	16.4	29.129	53.5	2.863	-49	6.17	3.38	35.6538	1046.36
10/11/2006	15:14:27	1726	16.39	29.13	176.3	2.915	-51	6.2	3.37	35.5418	1045.17
10/11/2006	15:15:17	1776	16.39	29.129	76.5	2.915	-51	6.21	3.37	35.5405	1046.14
10/11/2006	15:16:08	1827	16.41	29.129	55.3	2.889	-52	6.2	3.38	35.5916	1044.24
10/11/2006	15:16:58	1877	16.41	29.128	57.2	2.863	-51	6.2	3.43	36.1924	1041.4
10/11/2006	15:17:49	1928	16.39	29.13	45.2	2.915	-53	6.23	7.23	76.22	1039.99
10/11/2006	15:18:40	1979	16.38	29.129	50.1	2.889	-55	6.24	4.45	46.9107	1039.52
10/11/2006	15:19:31	2030	16.39	29.129	65	2.889	-56	6.24	3.57	37.5843	1038.11
10/11/2006	15:20:22	2081	16.38	29.131	56	2.915	-56	6.24	3.52	37.0675	1038.35
10/11/2006	15:21:13	2132	16.39	29.131	47.2	2.915	-56	6.24	3.49	36.7651	1036.24
10/11/2006	15:22:02	2181	16.36	29.13	42.4	2.889	-58	6.26	3.47	36.5175	1035.31
10/11/2006	15:22:53	2232	16.36	29.131	41.6	2.915	-59	6.28	3.44	36.2743	1034.38
10/11/2006	15:23:45	2284	16.37	29.132	40.6	2.915	-60	6.29	5.69	59.9241	1033.69
10/11/2006	15:24:35	2334	16.38	29.133	86.4	2.915	-61	6.29	7.05	74.2315	1033.93
10/11/2006	15:25:26	2385	16.37	29.134	38.1	2.915	-61	6.28	7	73.7198	1032.3
10/11/2006	15:26:17	2436	16.37	29.135	37.4	2.915	-62	6.3	6.81	71.7089	1031.38
10/11/2006	15:27:06	2485	16.37	29.134	33.9	2.915	-63	6.31	6.64	69.9369	1031.62
10/11/2006	15:27:57	2536	16.36	29.135	35.3	2.889	-62	6.3	6.48	68.1979	1032.32
10/11/2006	15:28:49	2588	16.38	29.135	310	2.915	-63	6.31	6.33	66.6823	1029.31

10/11/2006	15:29:40	2639	16.36	29.133	34.3	2.915	-64	6.31	4.14	43.5877	1029.09
10/11/2006	15:30:31	2690	16.35	29.136	29.2	2.915	-66	6.34	3.53	37.1681	1029.09
10/11/2006	15:31:21	2740	16.36	29.137	36.6	2.915	-66	6.33	3.41	35.8838	1028.64
10/11/2006	15:32:11	2790	16.35	29.136	42.1	2.889	-66	6.33	3.36	35.3769	1030.96
10/11/2006	15:33:02	2841	16.36	29.137	32.4	2.915	-65	6.32	3.32	34.9542	1028.18
10/11/2006	15:33:53	2892	16.35	29.137	29.2	2.915	-66	6.33	3.31	34.8229	1027.5
10/11/2006	15:34:44	2943	16.36	29.139	28.7	2.915	-67	6.35	3.3	34.7359	1027.5
10/11/2006	15:35:35	2994	16.36	29.138	29.2	2.915	-68	6.35	3.29	34.6223	1027.27

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:07003-003095 17-001-HWG-HMW-54C-061012-10-12-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your

Operator Name:	N_DENNIS
Company Name:	BV-CLAYTON
Project Name:	07003-003095.17-001
Site Name:	HWG
Well ID:	HMW-54C-061012

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0	[%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0	[%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3	[%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10	[%]

Pump Model/Type:	11251
Tubing Type:	POLYETHYLENE
Tubing Diam:	0.17 [in]
Tubing Length:	50 [ft]
Well Depth:	50 [ft]
Well Diam:	2 [in]
Screen Len:	60 [in]
Screen Depth:	45 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water:	33.92 [ft]
Pump Level (TOC):	45 [ft]

Final Pumping Rate:	466 [mL/min]
Stable Draw Down:	0.3 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (214 2 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	331.25 [mL]
Actual Total Volume:	331 25 [mL]
Calculated Measurement Interval:	41 [sec]
Actual Measurement Interval:	41 [sec]

Start date/time:	10/12/2006	8:31:58
End date/time:	10/12/2006	8 40.03
Total Time:	0 08.05	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.71	0.01	-105.21	-0.37	3.37	-0.02			926.09	-0.03	48.72	-14.36	15.44	0	8:36:48
3	6.71	0	-104.99	0.22	3.36	-0.01			926.8	0.7	42.1	-6.62	15.45	0.02	8:37:30
2	6.71	0	-104.98	0.01	3.35	-0.01			925.68	-1.12	35.4	-6.7	15.45	-0.01	8:38:12
1	6.72	0.01	-105.49	-0.51	3.35	0			926.93	1.26	37.96	2.56	15.44	-0.01	8:38:53
0	6.71	0	-105.27	0.22	3.34	0			928.38	1.44	38.03	0.07	15.4	-0.03	8:39:35

pH Min:	6.71
pH Max:	6.72
ORP Min:	-105.49
ORP Max:	-104.98
DO Min:	3.34
DO Max:	3.37
RDO Min:	
RDO Max:	
Cond Min:	925.68
Cond Max:	928.38
Turb Min:	35.4
Turb Max:	48.72
Temp Min:	15.4
Temp Max:	15.45

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 13:37:30
Report from file:	...\07003-003095.17-001-HWG-HMW-54C-061012-10-12-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45249
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/12/2006 8:31:58
Test started on:	10/12/2006 8:31:58
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	12	

TOTAL DATA SAMPLES 12

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/12/2006	8:31:58	0	15.43	29.433	120.9	2.889	-102	6.69	4.01	40.9096	921.76
10/12/2006	8:32:39	41	15.44	29.435	92.8	2.837	-103	6.69	3.76	38.3091	922.46
10/12/2006	8:33:20	82	15.4	29.434	102.6	2.889	-104	6.7	3.7	37.7613	921.73
10/12/2006	8:34:02	124	15.48	29.436	78.4	2.889	-104	6.7	3.58	36.5638	924.24
10/12/2006	8:34:44	166	15.51	29.436	81.3	2.863	-104	6.7	3.47	35.5106	924.75
10/12/2006	8:35:25	207	15.43	29.435	80.9	2.889	-104	6.7	3.43	35.0088	923.98
10/12/2006	8:36:07	249	15.44	29.436	63.1	2.915	-105	6.7	3.39	34.6633	926.13
10/12/2006	8:36:48	290	15.44	29.435	48.7	2.889	-105	6.71	3.37	34.4451	926.09
10/12/2006	8:37:30	332	15.45	29.436	42.1	2.863	-105	6.71	3.36	34.3148	926.8
10/12/2006	8:38:12	374	15.45	29.439	35.4	2.889	-105	6.71	3.35	34.1704	925.68
10/12/2006	8:38:53	415	15.44	29.44	38	2.889	-105	6.72	3.35	34.1856	926.93
10/12/2006	8:39:35	457	15.4	29.439	38	2.889	-105	6.71	3.34	34.1148	928.39

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:07003-003095.17-001-HWG-MP-85D-061011-10-11-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your

Operator Name:	N_DENNIS
Company Name:	BV-CLAYTON
Project Name:	07003-003095.17-001
Site Name:	HWG
Well ID:	HMW-85D-061011

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0	[%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0	[%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3	[%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10	[%]

Pump Model/Type:	11035
Tubing Type:	POLYETHYLENE
Tubing Diam:	0.17 [in]
Tubing Length:	50 [ft]
Well Depth:	50 [ft]
Well Diam:	2 [in]
Screen Len:	114 [in]
Screen Depth:	39.45 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water:	32.45 [ft]
Pump Level (TOC):	39.5 [ft]
Final Pumping Rate:	456 [mL/min]
Stable Draw Down:	0.3 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (191.9 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	308.93 [mL]
Actual Total Volume:	308.93 [mL]
Calculated Measurement Interval:	41 [sec]
Actual Measurement Interval:	41 [sec]
Start date/time:	10/11/2006 11:36:15
End date/time:	10/11/2006 11:43:52
Total Time:	0:07:37

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.69	-0.01	-87.38	-0.22	3.16	-0.06			920.21	-1.47	27.13	0.43	15.21	-0.02	11:40:25
3	6.69	0	-87.9	-0.52	3.11	-0.05			918.55	-1.65	20.52	-6.62	15.19	-0.01	11:41:06
2	6.68	-0.01	-87.94	-0.05	3.09	-0.02			916.91	-1.65	20.98	0.47	15.16	-0.03	11:41:48
1	6.68	0	-88.5	-0.56	3.06	-0.03			913.07	-3.84	20.23	-0.75	15.2	0.04	11:42:31
0	6.68	0	-88.8	-0.3	3.06	-0.01			913.44	0.37	19.87	-0.36	15.18	-0.02	11:43:12

pH Min:	6.68
pH Max:	6.69
ORP Min:	-88.8
ORP Max:	-87.38
DO Min:	3.06
DO Max:	3.16
RDO Min:	
RDO Max:	
Cond Min:	913.07
Cond Max:	920.21
Turb Min:	19.87
Turb Max:	27.13
Temp Min:	15.16
Temp Max:	15.21

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 13:58:40
Report from file:	...\07003-003095.17-001-HWG-MP-85D-061011-10-11-2006 flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45249
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/11/2006 11:36:15
Test started on:	10/11/2006 11:36:15
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	11	

TOTAL DATA SAMPLES 11

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/11/2006	11:36:15	0	16.21	29.152	41	2.915	-85	6.78	7.11	74.5242	951.94
10/11/2006	11:36:57	42	15.46	29.15	35.9	2.889	-83	6.73	4.58	47.2471	930.84
10/11/2006	11:37:38	83	15.32	29.151	32.4	2.915	-84	6.71	3.81	39.1665	926.51
10/11/2006	11:38:20	125	15.27	29.152	28.6	2.863	-85	6.71	3.5	35.9235	924.09
10/11/2006	11:39:01	166	15.22	29.152	26.7	2.889	-86	6.7	3.33	34.1677	921.12
10/11/2006	11:39:43	208	15.23	29.152	26.7	2.915	-87	6.71	3.22	33.0781	921.68
10/11/2006	11:40:25	250	15.21	29.151	27.1	2.889	-87	6.69	3.16	32.4792	920.21
10/11/2006	11:41:06	291	15.19	29.153	20.5	2.915	-88	6.69	3.11	31.9517	918.55
10/11/2006	11:41:48	333	15.16	29.153	21	2.889	-88	6.68	3.09	31.6776	916.91
10/11/2006	11:42:31	376	15.2	29.153	20.2	2.915	-89	6.68	3.06	31.4353	913.07
10/11/2006	11:43:12	417	15.18	29.152	19.9	2.863	-89	6.68	3.06	31.3422	913.44

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file.07003-003096.17-001-HWG-MP-78D-061012-10-12-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your

Operator Name:	N_DENNIS
Company Name:	BV-CLAYTON
Project Name:	07003-003096.17-001
Site Name:	HWG
Well ID:	MP-78D-061012

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0 [%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0 [%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0 [%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3 [%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10 [%]

Pump Model/Type:	11251
Tubing Type:	POLYETHYLENE
Tubing Diam:	0.17 [in]
Tubing Length:	40.6 [ft]
Well Depth:	38.2 [ft]
Well Diam:	2 [in]
Screen Len.	115.2 [in]
Screen Depth:	27.96 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water:	35.41 [ft]
Pump Level (TOC):	37.4 [ft]

Final Pumping Rate.	308 [mL/min]
Stable Draw Down:	0.3 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (180.8 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	297.77 [mL]
Actual Total Volume:	297.77 [mL]
Calculated Measurement Interval:	59 [sec]
Actual Measurement Interval:	59 [sec]

Start date/time:	10/12/2006	10:49:21
End date/time:	10/12/2006	11:03:47
Total Time:	0:14:26	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.59	-0.01	-108.52	-0.21	3.33	-0.01			1297.89	-3.99	9.77	-3.54	16.19	0	10:59:18
3	6.59	0	-109.02	-0.51	3.32	-0.01			1297.13	-0.76	9.08	-0.69	16.24	0.05	11:00:18
2	6.6	0.01	-109.96	-0.93	3.33	0.01			1295.29	-1.83	7.71	-1.37	16.23	-0.02	11:01:18
1	6.59	0	-110.25	-0.29	3.32	-0.01			1294.54	-0.75	5.9	-1.82	16.25	0.02	11:02:18
0	6.59	0	-110.46	-0.21	3.32	0			1290.6	-3.94	6.96	1.07	16.19	-0.06	11:03:18

pH Min:	6.59
pH Max:	6.6
ORP Min:	-110.46
ORP Max:	-108.52
DO Min:	3.32
DO Max:	3.33
RDO Min:	
RDO Max:	
Cond Min:	1290.6
Cond Max:	1297.89
Turb Min:	5.9
Turb Max:	9.77
Temp Min:	16.19
Temp Max:	16.25

Notes: turbidity=/<10

Device Record:

In-Situ Inc. Troll 9000 Profiler XP

Report generated: 10/21/2006 13:42:10
Report from file: ...\07003-003095.17-001-HWG-MP-78D-061012-10-12-2006.flo.bin
Win-Situ® Version 4.57.0.0

Serial number: 45249
Firmware Version 2
Unit name: MP Troll 9000

Test name: LowFlow

Test defined on: 10/12/2006 10:49:21
Test started on: 10/12/2006 10:49:21
Test stopped on: N/A N/A

Data gathered using Event testing
Time between data points: 0.0 Seconds.
Time between default storages: 0.0 Seconds.
Monitoring data on channel [1]
Data stored if delta value exceeds: 0 Celsius
Number of data samples: 15

TOTAL DATA SAMPLES 15

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[26] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/12/2006	10:49:21	0	17.16	29.421	618.2	2.889	-107	6.63	6.75	71.6691	1342.22
10/12/2006	10:50:19	58	16.1	29.423	391.8	2.863	-102	6.6	4.35	45.1055	1309.61
10/12/2006	10:51:19	118	16.09	29.423	223.3	2.915	-103	6.6	3.77	39.0871	1297.64
10/12/2006	10:52:19	178	16.08	29.422	171.9	2.889	-104	6.6	3.56	36.9074	1295.83
10/12/2006	10:53:18	237	16.15	29.422	103.3	2.915	-105	6.6	3.44	35.7442	1295.11
10/12/2006	10:54:18	297	16.15	29.421	89.4	2.915	-106	6.59	3.39	35.2603	1293.33
10/12/2006	10:55:18	357	16.19	29.424	38	2.863	-106	6.59	3.36	34.9516	1296.9
10/12/2006	10:56:18	417	16.17	29.422	29.3	2.915	-107	6.59	3.35	34.8297	1296.89
10/12/2006	10:57:18	477	16.23	29.422	18.2	2.863	-108	6.59	3.34	34.7284	1298.66
10/12/2006	10:58:18	537	16.19	29.423	13.3	2.889	-108	6.59	3.34	34.7336	1301.88
10/12/2006	10:59:18	597	16.19	29.424	9.8	2.915	-109	6.59	3.33	34.6628	1297.89
10/12/2006	11:00:18	657	16.24	29.427	9.1	2.863	-109	6.59	3.32	34.5619	1297.13
10/12/2006	11:01:18	717	16.23	29.427	7.7	2.915	-110	6.6	3.33	34.625	1295.29
10/12/2006	11:02:18	777	16.25	29.425	5.9	2.889	-110	6.59	3.32	34.5676	1294.54
10/12/2006	11:03:18	837	16.19	29.426	7	2.915	-110	6.59	3.32	34.562	1290.6

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001-HARTFORD WORKING GROUP-MP-81C - 061011-10-11-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the template

Operator Name:	K_PUND
Company Name:	BV-CLAYTON
Project Name:	HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001
Site Name:	HARTFORD WORKING GROUP
Well ID:	MP-81C - 061011

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0	[%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0	[%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3	[%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10	[%]

Pump Model/Type:	10960
Tubing Type:	polyethylene
Tubing Diam:	0.17 [in]
Tubing Length:	36 [ft]
Well Depth:	32.8 [ft]
Well Diam:	2 [in]
Screen Len:	177.6 [in]
Screen Depth:	17.15 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water:	29.42 [ft]
Pump Level (TOC):	31 [ft]
Final Pumping Rate:	235 [mL/min]
Stable Draw Down:	0.08 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (160.7 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	277.68 [mL]
Actual Total Volume:	277.68 [mL]
Calculated Measurement Interval:	71 [sec]
Actual Measurement Interval:	71 [sec]
Start date/time:	10/11/2006 8:27:23
End date/time:	10/11/2006 8:49:35
Total Time:	0:22:12

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.45	0	-107.34	0.77	1.13	-0.25			1158.67	-0.61	-0.03	-0.52	15.3	-0.01	8:44:13
3	6.45	0	-109.61	-2.27	1.02	-0.1			1158.65	-0.02	5.31	5.35	15.31	0.01	8:45:25
2	6.45	0	-113.04	-3.43	1.31	0.28			1158.93	0.28	-0.83	-6.14	15.3	-0.01	8:46:39
1	6.45	0	-113.43	-0.39	1.5	0.2			1158.62	-0.31	0.01	0.83	15.3	0	8:47:50
0	6.45	0	-114.8	-1.37	1.45	-0.05			1158.31	-0.31	0.88	0.87	15.29	0	8:49:02

pH Min:	6.45
pH Max:	6.45
ORP Min:	-114.8
ORP Max:	-107.34
DO Min:	1.02
DO Max:	1.5
RDO Min:	
RDO Max:	
Cond Min:	1158.31
Cond Max:	1158.93
Turb Min:	-0.83
Turb Max:	5.31
Temp Min:	15.29
Temp Max:	15.31

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 14:33:16
Report from file:	...\HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001-HARTFORD WORKING GROUP-MP-81C - 061011-10-11-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45253
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/11/2006 8:27:23
Test started on:	10/11/2006 8:27:23
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	19	

TOTAL DATA SAMPLES 19

Channel number [1]	
Measurement type:	Temperature
Channel name:	
Channel number [3]	
Measurement type:	Barometric Pressure
Channel name:	
Channel number [4]	
Measurement type:	Turbidity
Channel name:	
Channel number [5]	
Measurement type:	Battery Voltage
Channel name:	
Channel number [11]	
Measurement type:	ORP
Channel name:	
Channel number [12]	
Measurement type:	pH
Channel name:	
Channel number [25]	
Measurement type:	Dissolved Oxygen
Channel name:	

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/11/2006	8:27:23	0	15.46	29.12	29.6	2.863	-75	6.47	0.9	9.2989	1164.75
10/11/2006	8:28:35	72	15.42	29.123	14.6	2.863	-78	6.46	1.45	14.9477	1163.51
10/11/2006	8:29:47	144	15.41	29.126	10.4	2.863	-81	6.46	1.49	15.3759	1162.87
10/11/2006	8:30:58	215	15.4	29.126	870.8	2.889	-85	6.46	3	30.9917	1162.83
10/11/2006	8:32:11	288	15.39	29.125	8.8	2.863	-89	6.45	2.99	30.9091	1162.19
10/11/2006	8:33:23	360	15.38	29.129	5.3	2.889	-92	6.45	4.64	47.9073	1161.56
10/11/2006	8:34:36	433	15.36	29.129	40.6	2.889	-96	6.45	1.42	14.6104	1161.53
10/11/2006	8:35:47	504	15.36	29.129	3.4	2.863	-97	6.45	1.37	14.1388	1160.9
10/11/2006	8:37:00	577	15.35	29.13	3.7	2.863	-99	6.45	1.28	13.1539	1160.88
10/11/2006	8:38:13	650	15.33	29.127	18.9	2.889	-101	6.45	0.86	8.9162	1159.96
10/11/2006	8:39:25	722	15.34	29.128	2.2	2.863	-103	6.45	3.13	32.2656	1160.23
10/11/2006	8:40:36	793	15.34	29.129	2.2	2.863	-104	6.45	2.22	22.9236	1160.21
10/11/2006	8:41:49	866	15.33	29.132	1.6	2.863	-106	6.45	1.72	17.6968	1159.89
10/11/2006	8:43:02	939	15.31	29.133	0.5	2.863	-108	6.45	1.38	14.2306	1159.28
10/11/2006	8:44:13	1010	15.3	29.132	0	2.889	-107	6.45	1.13	11.6155	1158.67
10/11/2006	8:45:25	1082	15.31	29.135	5.3	2.863	-110	6.45	1.02	10.5375	1158.65
10/11/2006	8:46:39	1156	15.3	29.132	-0.8	2.863	-113	6.45	1.31	13.4599	1158.93
10/11/2006	8:47:50	1227	15.3	29.135	0	2.889	-113	6.45	1.5	15.4729	1158.62
10/11/2006	8:49:02	1299	15.29	29.134	0.9	2.889	-115	6.45	1.45	14.9162	1158.31

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:07003-003095.17-001-HWG-MP-83C-061012-10-12-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the templates subfolder in the folder where Win-Situ® is installed to your

Operator Name:	N_DENNIS					
Company Name:	BV-CLAYTON					
Project Name:	07003-003095.17-001					
Site Name:	HWG					
Well ID:	MP-83C-061012					
pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0 [%]	
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0 [%]	
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0 [%]	
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3 [%]	
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10 [%]	
Pump Model/Type:	11251					
Tubing Type:	POLYETHYLENE					
Tubing Diam:	0.17 [in]					
Tubing Length:	42.5 [ft]					
Well Depth:	42.5 [ft]					
Well Diam:	2 [in]					
Screen Len:	234 [in]					
Screen Depth:	22 [ft]					
Pump Inlet Depth:	0 [in]					
Depth to Water:	31.86 [ft]					
Pump Level (TOC):	33.86 [ft]					
Final Pumping Rate:	172 [mL/min]					
Stable Draw Down:	0.3 [ft]					
Total Volume Formula:	Volume = cup (200 mL) + tubing (182.6 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)					
Calculated Total Volume:	299.55 [mL]					
Actual Total Volume:	299.55 [mL]					
Calculated Measurement Interval:	105 [sec]					
Actual Measurement Interval:	105 [sec]					
Start date/time:	10/12/2006	13:02:37				
End date/time:	10/12/2006	13:12:04				
Total Time:	0:09:27					

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.63	0	-98.21	-1.76	3.51	-0.24			1289.58	-2.1	7.45	1.52	15.86	-0.11	13:04:24
3	6.64	0	-99.58	-1.38	3.41	-0.1			1285.04	-4.54	6.47	-0.98	15.83	-0.04	13:06:10
2	6.64	0	-100.4	-0.82	3.36	-0.05			1286.84	1.81	6.97	0.5	15.87	0.04	13:07:57
1	6.63	-0.01	-101	-0.6	3.33	-0.03			1289.68	2.84	7.73	0.76	15.97	0.1	13:09:44
0	6.63	0	-101.3	-0.3	3.33	0			1287.54	-2.14	7.95	0.22	15.86	-0.11	13:11:31

pH Min:	6.63
pH Max:	6.64
ORP Min:	-101.3
ORP Max:	-98.21
DO Min:	3.33
DO Max:	3.51
RDO Min:	
RDO Max:	
Cond Min:	1285.04
Cond Max:	1289.68
Turb Min:	6.47
Turb Max:	7.95
Temp Min:	15.83
Temp Max:	15.97

lotes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 13:52:16
Report from file:	...\07003-003095.17-001-HWG-MP-83C-061012-10-12-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45249
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/12/2006 13:02:37
Test started on:	10/12/2006 13:02:37
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	6	

TOTAL DATA SAMPLES 6

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/12/2006	13:02:37	0	15.97	29.423	5.9	2.889	-96	6.63	3.75	38.6398	1291.68
10/12/2006	13:04:24	107	15.86	29.424	7.5	2.889	-98	6.63	3.51	36.2771	1289.58
10/12/2006	13:06:10	213	15.83	29.423	6.5	2.889	-100	6.64	3.41	35.191	1285.04
10/12/2006	13:07:57	320	15.87	29.422	7	2.915	-100	6.64	3.36	34.6895	1286.84
10/12/2006	13:09:44	427	15.97	29.423	7.7	2.837	-101	6.63	3.33	34.4172	1289.68
10/12/2006	13:11:31	534	15.86	29.417	8	2.837	-101	6.63	3.33	34.368	1287.54

INSTRUCTIONS: This is the raw data export format from the Win-Situ® Low Flow Cell data file:HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001-HARTFORD WORKING GROUP-MP-89C - 061011-10-11-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation. You may copy this template from the template

Operator Name:	K_PUND
Company Name:	BV-CLAYTON
Project Name:	HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001
Site Name:	HARTFORD WORKING GROUP
Well ID:	MP-89C - 061011

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0	[%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0	[%]
DO Sensor:	Installed	Target Value	0.3 [mg/L]	Target Pecent	0	[%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3	[%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10	[%]

Pump Model/Type:	10960
Tubing Type:	polyethylene
Tubing Diam:	0.17 [in]
Tubing Length:	39 [ft]
Well Depth:	38 [ft]
Well Diam:	2 [in]
Screen Len:	180 [in]
Screen Depth:	23 [ft]
Pump Inlet Depth:	0 [in]
Depth to Water:	32.78 [ft]
Pump Level (TOC):	34.78 [ft]

Final Pumping Rate:	364 [mL/min]
Stable Draw Down:	0.02 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (174.1 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	291.07 [mL]
Actual Total Volume:	291.07 [mL]
Calculated Measurement Interval:	48 [sec]
Actual Measurement Interval:	48 [sec]

Start date/time:	10/11/2006	10:29:33
End date/time:	10/11/2006	10:55:44
Total Time:	0:26:11	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.67	0	-173.18	-8.51	0.24	-0.06			1244.61	0.35	131.51	-0.65	15.93	0	10:52:01
3	6.67	0	-178.65	-5.47	0.23	-0.01			1244.28	-0.34	105.41	-26.1	15.91	-0.01	10:52:50
2	6.67	0	-182.42	-3.76	0.22	-0.01			1244.28	0.01	94.24	-11.17	15.9	-0.01	10:53:38
1	6.67	0	-185.07	-2.65	0.22	0			1244.29	0	88.64	-5.6	15.9	0	10:54:27
0	6.67	0	-187.08	-2.01	0.22	0			1243.95	-0.34	86.62	-2.02	15.89	-0.01	10:55:15

pH Min:	6.67
pH Max:	6.67
ORP Min:	-187.08
ORP Max:	-173.18
DO Min:	0.22
DO Max:	0.24
RDO Min:	
RDO Max:	
Cond Min:	1243.95
Cond Max:	1244.61
Turb Min:	86.62
Turb Max:	131.51
Temp Min:	15.89
Temp Max:	15.93

Notes:

Device Record:

In-Situ Inc.	Troll 9000 Profiler XP
Report generated:	10/21/2006 14:53:54
Report from file:	...\HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001-HARTFORD WORKING GROUP-MP-89C - 061011-10-11-2006.flo.bin
Win-Situ® Version	4.57.0.0
Serial number:	45253
Firmware Version	2
Unit name:	MP Troll 9000
Test name:	LowFlow
Test defined on:	10/11/2006 10:29:33
Test started on:	10/11/2006 10:29:33
Test stopped on:	N/A N/A

Data gathered using Event testing

Time between data points:	0.0	Seconds.
Time between default storages:	0.0	Seconds.
Monitoring data on channel [1]		
Data stored if delta value exceeds:	0	Celsius
Number of data samples:	33	

TOTAL DATA SAMPLES 33

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm	Actual Conductivity
10/11/2006	10:29:33	0	15.95	29.15	1006.7	2.889	-118	6.63	0.48	5.0557	1248.77	
10/11/2006	10:30:06	33	15.93	29.151	1069.1	2.889	-122	6.63	0.41	4.2599	1250.84	
10/11/2006	10:30:54	81	15.95	29.151	978.7	2.863	-127	6.64	0.35	3.6697	1253.27	
10/11/2006	10:31:43	130	15.94	29.152	1026.5	2.889	-133	6.64	0.33	3.419	1256.4	
10/11/2006	10:32:31	178	15.96	29.152	916.9	2.863	-137	6.64	0.31	3.2496	1258.16	
10/11/2006	10:33:21	228	15.93	29.152	848.8	2.889	-142	6.64	0.29	3.0432	1258.51	
10/11/2006	10:34:09	276	15.93	29.152	813.5	2.889	-147	6.65	0.28	2.9175	1258.86	
10/11/2006	10:34:58	325	15.92	29.151	781.7	2.889	-152	6.65	0.27	2.7931	1256.07	
10/11/2006	10:35:47	374	15.88	29.151	753	2.863	-156	6.65	0.26	2.6701	1254.33	
10/11/2006	10:36:35	422	15.92	29.151	734.9	2.863	-160	6.65	0.25	2.5824	1254.33	
10/11/2006	10:37:24	471	15.89	29.149	684.4	2.863	-163	6.65	0.24	2.5013	1253.28	
10/11/2006	10:38:12	519	15.88	29.151	586.6	2.889	-167	6.66	0.24	2.459	1251.88	
10/11/2006	10:39:02	569	15.91	29.151	570.9	2.863	-170	6.66	0.23	2.3719	1250.15	
10/11/2006	10:39:50	617	15.88	29.151	535.3	2.863	-172	6.66	0.22	2.3314	1248.41	
10/11/2006	10:40:39	666	15.9	29.15	509.7	2.889	-174	6.66	0.22	2.3291	1248.06	
10/11/2006	10:41:28	715	15.92	29.151	444.1	2.889	-176	6.66	0.22	2.2846	1246.33	
10/11/2006	10:42:17	764	15.92	29.149	436.4	2.863	-178	6.66	0.21	2.2418	1246.67	
10/11/2006	10:43:06	813	15.92	29.151	367.3	2.889	-180	6.66	0.22	2.2833	1245.98	
10/11/2006	10:43:53	860	15.9	29.154	338.1	2.889	-181	6.66	0.21	2.1995	1245.97	
10/11/2006	10:44:43	910	15.92	29.152	307.3	2.889	-183	6.66	0.21	2.1981	1244.6	
10/11/2006	10:45:31	958	15.91	29.155	285.2	2.889	-184	6.66	0.21	2.1563	1244.93	
10/11/2006	10:46:20	1007	15.92	29.156	262.6	2.889	-185	6.66	0.21	2.155	1244.93	
10/11/2006	10:47:09	1056	15.94	29.154	235.4	2.889	-186	6.66	0.21	2.1539	1245.27	
10/11/2006	10:47:57	1104	15.94	29.153	193.7	2.863	-188	6.67	0.2	2.1119	1244.93	
10/11/2006	10:48:46	1153	15.45	29.154	269.1	2.889	-188	6.67	0.21	2.1895	1196.2	
10/11/2006	10:49:34	1201	15.89	29.156	194.7	2.889	-125	6.66	0.66	6.9089	1239.82	
10/11/2006	10:50:23	1250	15.97	29.153	146.4	2.889	-150	6.66	0.43	4.5022	1246.66	
10/11/2006	10:51:11	1298	15.93	29.155	132.2	2.889	-165	6.67	0.3	3.1223	1244.27	
10/11/2006	10:52:01	1348	15.93	29.156	131.5	2.889	-173	6.67	0.24	2.4929	1244.61	
10/11/2006	10:52:50	1397	15.91	29.153	105.4	2.863	-179	6.67	0.23	2.411	1244.28	
10/11/2006	10:53:38	1445	15.9	29.153	94.2	2.889	-182	6.67	0.22	2.2864	1244.28	
10/11/2006	10:54:27	1494	15.9	29.155	88.6	2.863	-185	6.67	0.22	2.2867	1244.29	
10/11/2006	10:55:15	1542	15.89	29.156	86.6	2.889	-187	6.67	0.22	2.2456	1243.95	

INSTRUCTIONS This is the raw data export format from the Win-Situ® Low Flow Cell data file HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095 17 001-HARTFORD WORKING GROUP-MP-92D - 061011-10-11-2006.flo To Generate a report insert a new sheet based on a sheet template See 'Sheet Template' and 'Insert a new sheet thats based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ® Installation You may copy this template from the template

Operator Name:	K_PUND
Company Name:	BV-CLAYTON
Project Name:	HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095 17.001
Site Name:	HARTFORD WORKING GROUP
Well ID:	MP-92D - 061011

pH Sensor:	Installed	Target Value	0.1 [pH]	Target Pecent	0 [%]
ORP Sensor:	Installed	Target Value	10 [mV]	Target Pecent	0 [%]
DO Sensor:	Installed	Target Value	0 3 [mg/L]	Target Pecent	0 [%]
Cond Sensor:	Installed	Target Value	0.1 [µS/cm]	Target Pecent	3 [%]
Turb Sensor:	Installed	Target Value	1 [NTU]	Target Pecent	10 [%]

Pump Model/Type:	10960
Tubing Type:	polyethylene
Tubing Diam:	0.17 [in]
Tubing Length:	39 [ft]
Well Depth	37 8 [ft]
Well Diam	2 [in]
Screen Len	174 [in]
Screen Depth	22 7 [ft]
Pump Inlet Depth	0 [in]
Depth to Water:	32 23 [ft]
Pump Level (TOC)	34.23 [ft]

Final Pumping Rate	260 [mL/min]
Stable Draw Down:	0 17 [ft]
Total Volume Formula:	Volume = cup (200 mL) + tubing (174 1 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
Calculated Total Volume:	291 07 [mL]
Actual Total Volume:	291 07 [mL]
Calculated Measurement Interval	68 [sec]
Actual Measurement Interval	68 [sec]

Start date/time:	10/11/2006	14 05:53
End date/time:	10/11/2006	14 21 15
Total Time	0 15:22	

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [mg/L]	Variance	RDO []	Variance	Cond [µS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.53	0	-61.1	-0.9	0.3	-0.02			1356.19	-0 41	10.16	-5.07	16.18	-0.03	14 16.14
3	6.54	0	-62.25	-1.15	0.29	-0.01			1356.6	0.41	11.19	1.03	16.2	0.02	14:17:22
2	6.54	0	-63.32	-1.07	0.29	0			1354.57	-2.03	8.68	-2.51	16.14	-0.06	14.18.32
1	6.53	0	-64.09	-0.77	0.29	0			1350.13	-4.45	7.31	-1.37	16.14	0	14:19.41
0	6.54	0	-65.29	-1.2	0.29	0			1347.3	-2.83	6.27	-1.04	16.12	-0.03	14:20:50

pH Min:	6.53
pH Max:	6.54
ORP Min:	-65.29
ORP Max:	-61.1
DO Min:	0.29
DO Max:	0.3
RDO Min:	
RDO Max:	
Cond Min:	1347.3
Cond Max:	1356.6
Turb Min:	6.27
Turb Max:	11.19
Temp Min:	16.12
Temp Max:	16.2

Notes: TURB=\<10 NTU

Device Record:

In-Situ Inc. Troll 9000 Profiler XP

Report generated: 10/21/2006 14:59:41
Report from file: ...\HARTFORD QUARTERLY GROUNDWATER SAMPLING - 07003-003095.17.001-HARTFORD WORKING GROUP-MP-92D - 061011-10-11-2006.flo.bin
Win-Situ® Version 4.57.0.0

Serial number: 45253
Firmware Version 2
Unit name: MP Troll 9000

Test name: LowFlow

Test defined on: 10/11/2006 14:05:53
Test started on: 10/11/2006 14:05:53
Test stopped on: N/A N/A

Data gathered using Event testing
Time between data points: 0.0 Seconds.
Time between default storages: 0.0 Seconds.
Monitoring data on channel [1]
Data stored if delta value exceeds: 0 Celsius
Number of data samples: 14

TOTAL DATA SAMPLES 14

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]
Measurement type: pH
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen
Channel name:

Channel number [25]
Measurement type: Dissolved Oxygen %Saturation
Channel name:

Channel number [45]
Measurement type: Conductivity, Low Range
Channel name:

Date	Time	ET (sec)	Chan[1] Temperature Celsius	Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[25] Clark DO Sat %Saturation	Chan[45] Conductivity microSiemens/cm Actual Conductivity
10/11/2006	14:06:53	0	16.15	29.133	85.6	2.863	-55	6.53	0.52	5.4378	1334.97
10/11/2006	14:07:00	67	16.2	29.135	68.1	2.889	-55	6.53	0.46	4.8386	1336.85
10/11/2006	14:08:10	137	16.16	29.137	49.6	2.837	-55	6.53	0.42	4.4216	1338.75
10/11/2006	14:09:19	206	16.2	29.136	48.1	2.889	-56	6.53	0.39	4.077	1343.46
10/11/2006	14:10:27	274	16.17	29.138	26.9	2.863	-57	6.53	0.37	3.8688	1348.61
10/11/2006	14:11:38	345	16.22	29.136	22.9	2.863	-57	6.53	0.34	3.568	1351.79
10/11/2006	14:12:46	413	16.21	29.135	24.2	2.863	-58	6.53	0.34	3.5258	1354.6
10/11/2006	14:13:56	482	16.18	29.132	21.9	2.837	-59	6.53	0.32	3.4036	1355.39
10/11/2006	14:15:06	552	16.21	29.133	15.2	2.863	-60	6.54	0.32	3.3149	1356.6
10/11/2006	14:16:14	621	16.18	29.134	10.2	2.889	-61	6.53	0.3	3.1516	1356.19
10/11/2006	14:17:22	689	16.2	29.134	11.2	2.863	-62	6.54	0.29	3.066	1356.6
10/11/2006	14:18:32	759	16.14	29.135	8.7	2.889	-63	6.54	0.29	3.0309	1354.57
10/11/2006	14:19:41	828	16.14	29.134	7.3	2.889	-64	6.53	0.29	3.0726	1350.13
10/11/2006	14:20:50	897	16.12	29.132	6.3	2.889	-65	6.54	0.29	3.0331	1347.3

APPENDIX E

2006 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

E-1 BETX AND MTBE
E-2 Metals (Total and Dissolved)
E-3 General Chemistry and Natural Attenuation Parameters

NOTES

TABLES E-1, E-2 and E-3

Data prior to 2006 is provided in the Quarterly Groundwater Monitoring Report April 2006 dated August 8, 2006.

Comparison values are Tier 1 Class 1 Groundwater Remediation Objectives from Illinois EPA's Tiered Approach to Corrective Action Objectives (35 IAC Part 742). Groundwater quality values listed in 35 IAC Part 742 used for comparison purposes only.

mg/L = Milligrams per liter.

µg/L = Micrograms per liter.

J = Estimated value. Compound detected below the practical quantitation limit (PQL).

R = RPD outside accepted recovery limits.

S = Spike Recovery outside of accepted recovery limits.

NA = Constituent not analyzed by laboratory.

APPENDIX E-1

BETX AND MTBE

Appendix E-1
2006 Summary of Groundwater Analytical Results
BETX and MTBE

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

SITE	DATE	RESULT TYPE	SAMPLE ID	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene (total) (ug/l)	Methyl tert-butyl ether (ug/l)
COMPARISON VALUE				5	700	1000	10000	70
HMW-38C	10/10/2006	Prim	HMW-38C/06101	4510	442	63.4	1240	<20.0
HMW-39B	01/12/2006	Prim	HMW-39B/06011	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-39B	04/06/2006	Prim	HMW-39B/06040	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-39B	07/10/2006	Prim	HMW-39B/06071	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-39B	10/10/2006	Prim	HMW-39B/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-39C	01/13/2006	Prim	HMW-39C/06011	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-39C	04/06/2006	Prim	HMW-39C/06040	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-39C	07/11/2006	Prim	HMW-39C/06071	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-39C	10/11/2006	Prim	HMW-39C/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-40C	01/13/2006	Prim	HMW-40C/06011	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-40C	01/13/2006	Dup 1	DUP-002/060113	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-40C	04/06/2006	Prim	HMW-40C/06040	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-40C	07/11/2006	Prim	HMW-40C/06071	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-40C	10/10/2006	Prim	HMW-40C/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-40C	10/10/2006	Dup 1	DUP-002/061010	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-43C	10/10/2006	Prim	HMW-43C/06101	67.3	2.3J	1.7J	3.4J	<2.0
HMW-43C	10/10/2006	Dup 1	DUP-001/061010	57.2	1.9J	1.5J	2.9J	<2.0
HMW-44D	10/11/2006	Prim	HMW-44D/06101	2220	4.2J	11.2	17.2	<2.0
HMW-47B	10/10/2006	Prim	HMW-47B/06101	<2.0	<5.0	<5.0	<5.0	<2.0

See Notes at the End of Table

Appendix E-1
2006 Summary of Groundwater Analytical Results
BETX and MTBE

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE Water

SITE	DATE	RESULT TYPE	SAMPLE ID	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene (total) (ug/l)	Methyl tert-butyl ether (ug/l)
COMPARISON VALUE				5	700	1000	10000	70
HMW-48C	06/23/2006	Prim	HMW-48C/06062	2440	147	26J	178	<40.0
HMW-48D	10/10/2006	Prim	HMW-48D/06101	7750	9.6	21.7	13.1	4.0
HMW-49B	01/12/2006	Prim	HMW-49B/06011	56.4	610	<50.0	29J	<20.0
HMW-49B	04/06/2006	Prim	HMW-49B/06040	88.7	832	<50.0	70.1	<20.0
HMW-49C	01/13/2006	Prim	HMW-49C/06011	245	3410	3270	10600	500
HMW-49C	04/06/2006	Prim	HMW-49C/06040	232	2980	2840	8920	359
HMW-49C	07/10/2006	Prim	HMW-49C/06071	592	2180	2500	5230	<100
HMW-49C	10/11/2006	Prim	HMW-49C/06101	267	3740	6350	9640	818
HMW-49D	01/13/2006	Prim	HMW-49D/06011	200	<20.0	7.4J	6.4J	47.9
HMW-49D	04/06/2006	Prim	HMW-49D/06040	198	2.3J	8.5	13.5	43.5
HMW-49D	04/06/2006	Dup 1	DUP-001/060406	199	2.3J	8.4	13.4	42.9
HMW-49D	07/10/2006	Prim	HMW-49D/06071	339	4.1J	12.0	15.2	49.2
HMW-49D	07/10/2006	Dup 1	Dup-001/060710	318	4.2J	12.2	15.3	47.0
HMW-49D	10/10/2006	Prim	HMW-49D/06101	108	2.6J	6.9	10.5	46.6
HMW-49D	10/10/2006	Dup 1	DUP-003/061010	109	2.4J	7.6	10.9	37.0
HMW-50A	01/12/2006	Prim	HMW-50A/06011	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-50A	01/12/2006	Dup 1	DUP-001/060112	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-50A	04/07/2006	Prim	HMW-50A/06040	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-50A	07/11/2006	Prim	HMW-50A/06071	<2.0	<5.0	<5.0	<5.0	<2.0

See Notes at the End of Table

Appendix E-1
2006 Summary of Groundwater Analytical Results
BETX and MTBE

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County – ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

SITE	DATE	RESULT TYPE	SAMPLE ID	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene (total) (ug/l)	Methyl tert-butyl ether (ug/l)
COMPARISON VALUE				5	700	1000	10000	70
HMW-50A	10/10/2006	Prim	HMW-50A/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-50B	01/13/2006	Prim	HMW-50B/06011	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-50B	04/06/2006	Prim	HMW-50B/06040	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-50B	07/11/2006	Prim	HMW-50B/06071	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-50B	10/10/2006	Prim	HMW-50B/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-50C	01/16/2006	Prim	HMW-50C/06011	128	1.6J	10.4	27.6	5.9
HMW-50C	04/07/2006	Prim	HMW-50C/06040	42.2	<5.0	3.6J	10	1.4J
HMW-50C	07/10/2006	Prim	HMW-50C/06071	99.1	<5.0	6.2	11.8	<2.0
HMW-50C	10/09/2006	Prim	HMW-50C/06100	77.8	<5.0	4.7J	6.7	3.8
HMW-52C	01/12/2006	Prim	HMW-52C/06011	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-52C	04/07/2006	Prim	HMW-52C/06040	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-52C	07/10/2006	Prim	HMW-52C/06071	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-52C	10/10/2006	Prim	HMW-52C/06101	<2.0	<5.0	<5.0	<5.0	<2.0
HMW-53C	10/11/2006	Prim	HMW-53C/06101	207	1.2J	14.6	3.3J	<2.0
HMW-54C	10/12/2006	Prim	HMW-54C/06101	<2.0	<5.0	<5.0	<5.0	<2.0
MP-59A	10/11/2006	Prim	MP-59A/061011	0.5J	<5.0	<5.0	1.5J	<2.0
MP-78D	10/12/2006	Prim	MP-78D/061012	15800	2600	26700	10700	<1000
MP-81C	01/13/2006	Prim	MP-81C/060113	<2.0	<5.0	<5.0	<5.0	<2.0
MP-81C	04/06/2006	Prim	MP-81C/060406	<2.0	<5.0	<5.0	<5.0	<2.0

See Notes at the End of Table

Appendix E-1
2006 Summary of Groundwater Analytical Results
BETX and MTBE

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

SITE	DATE	RESULT TYPE	SAMPLE ID	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylene (total) (ug/l)	Methyl tert-butyl ether (ug/l)
COMPARISON VALUE				5	700	1000	10000	70
MP-81C	04/06/2006	Dup 1	DUP-002/060406	<2.0	<5.0	<5.0	<5.0	<2.0
MP-81C	07/11/2006	Prim	HMW-81C/06071	<2.0	<5.0	<5.0	<5.0	<2.0
MP-81C	10/11/2006	Prim	MP-81C/061011	<2.0	<5.0	<5.0	<5.0	<2.0
MP-83C	10/12/2006	Prim	MP-83C/061012	8020	1960	18000	8520	<400
MP-85B	10/10/2006	Prim	MP-85B/061010	<2.0	<5.0	<5.0	<5.0	<2.0
MP-85D	10/11/2006	Prim	MP-85D/061011	3970	5.5	9.9	21.6	146
MP-89C	01/16/2006	Prim	MP-89C/060116	<2.0	<5.0	<5.0	<5.0	<2.0
MP-89C	04/06/2006	Prim	MP-89C/060406	<2.0	<5.0	<5.0	<5.0	<2.0
MP-89C	07/11/2006	Prim	MP-89C/060711	<2.0	<5.0	<5.0	<5.0	<2.0
MP-89C	10/11/2006	Prim	MP-89C/061011	<2.0	<5.0	<5.0	<5.0	<2.0
MP-92D	04/07/2006	Prim	MP-92D/060407	<2.0	<5.0	<5.0	<5.0	<2.0
MP-92D	07/11/2006	Prim	MP-92D/060711	<2.0	<5.0	<5.0	<5.0	<2.0
MP-92D	07/11/2006	Dup 1	DUP-002/060711	<2.0	<5.0	<5.0	<5.0	<2.0
MP-92D	10/11/2006	Prim	MP-92D/061011	<2.0	<5.0	<5.0	<5.0	<2.0

See Notes at the End of Table

APPENDIX E-2

METALS (TOTAL AND DISSOLVED)

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-38C HMW-38C/061010 10/10/2006 Primary	HMW-39B HMW-39B/060112 01/12/2006 Primary	HMW-39B HMW-39B/060406 04/06/2006 Primary	HMW-39B HMW-39B/060710 07/10/2006 Primary	HMW-39B HMW-39B/061010 10/10/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	0.0027J	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0982	0.0012J	<0.0030	0.0095	0.0008J
Arsenic (Dissolved)	(mg/l)	0.05	0.0956	<0.0030	<0.0030	<0.0030	<0.0030
Barium	(mg/l)	2	0.269	0.304	0.300	0.506	0.313
Barium (Dissolved)	(mg/l)	2	0.256	0.224	0.266	0.225	0.181
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	0.0007J	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	0.0003J	<0.0020	0.0009J	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	0.0019J	<0.0020	0.0004J	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	0.0298	0.0078J
Chromium (Dissolved)	(mg/l)	0.1	0.0065J	<0.0100	<0.0100	0.0040J	0.0049J
Cobalt	(mg/l)	1	0.0032J	<0.0100	<0.0100	0.0125	0.0025J
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	<0.0100	0.0046J	<0.0100
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	35.2	0.319	0.0419	29.3	6.49
Iron (Dissolved)	(mg/l)	5	33.8	<0.0200	<0.0200	<0.0200	0.0099J
Lead	(mg/l)	0.0075	0.0037	<0.0020	0.0005J	0.0183	0.0048
Lead (Dissolved)	(mg/l)	0.0075	0.0023	<0.0020	<0.0020	<0.0020	0.0008J

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-38C HMW-38C/061010 10/10/2006 Primary	HMW-39B HMW-39B/060112 01/12/2006 Primary	HMW-39B HMW-39B/060406 04/06/2006 Primary	HMW-39B HMW-39B/060710 07/10/2006 Primary	HMW-39B HMW-39B/061010 10/10/2006 Primary
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	0.0399	0.0052J
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	0.0052J	<0.0100
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	0.0032J	<0.0100
Vanadium	(mg/l)	0.049	0.0099J	0.0041J	<0.0100	0.0479	0.0094J
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	<0.0100	<0.0100	0.0155
Zinc	(mg/l)	5	<0.0100	0.0724	0.0242	0.176	0.0694
Zinc (Dissolved)	(mg/l)	5	<0.0100	0.0507	0.0211	0.0106	0.0170

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County – ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-39C HMW-39C/060113 01/13/2006 Primary	HMW-39C HMW-39C/060406 04/06/2006 Primary	HMW-39C HMW-39C/060711 07/11/2006 Primary	HMW-39C HMW-39C/061011 10/11/2006 Primary	HMW-40C HMW-40C/060113 01/13/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	0.0018J	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	<0.0030	<0.0030	<0.0030	<0.0030	0.0778
Arsenic (Dissolved)	(mg/l)	0.05	<0.0030	0.0010J	<0.0030	<0.0030	0.0153
Barium	(mg/l)	2	0.350	0.343	0.348	0.330	0.785
Barium (Dissolved)	(mg/l)	2	0.349	0.299	0.318	0.328	0.641
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	0.0007J
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	0.0427	<0.0020	0.0003J	<0.0020	0.0112
Cadmium (Dissolved)	(mg/l)	0.005	0.0005J	<0.0020	0.0004J	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	0.0038J	<0.0100	<0.0100	<0.0100	<0.0100
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	6.93	4.73	3.97	4.26	29.9
Iron (Dissolved)	(mg/l)	5	4.33	3.36	3.50	3.96	4.11
Lead	(mg/l)	0.0075	0.0013J	0.0009J	0.0005J	<0.0020	0.0022
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-39C HMW-39C/060113 01/13/2006 Primary	HMW-39C HMW-39C/060406 04/06/2006 Primary	HMW-39C HMW-39C/060711 07/11/2006 Primary	HMW-39C HMW-39C/061011 10/11/2006 Primary	HMW-40C HMW-40C/060113 01/13/2006 Primary
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0038J	<0.0100	<0.0100	<0.0100	0.0043J
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	0.0172
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	0.0050J
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0092J	<0.0100	<0.0100	0.0060J	0.0157
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc	(mg/l)	5	0.0243	0.0655	0.0116	<0.0100	0.0180
Zinc (Dissolved)	(mg/l)	5	0.0141	0.0663	0.0037J	<0.0100	0.0039J

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-40C DUP-002/060113 01/13/2006 Duplicate 1	HMW-40C HMW-40C/060406 04/06/2006 Primary	HMW-40C HMW-40C/060711 07/11/2006 Primary	HMW-40C HMW-40C/061010 10/10/2006 Primary	HMW-40C DUP-002/061010 10/10/2006 Duplicate 1
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0531	0.116	0.0917	0.362	0.130
Arsenic (Dissolved)	(mg/l)	0.05	0.0153	0.0145	0.0235	0.0253	0.0236
Barium	(mg/l)	2	0.732	0.904	0.646	1.05	0.784
Barium (Dissolved)	(mg/l)	2	0.638	0.763	0.541	0.706	0.675
Beryllium	(mg/l)	0.004	0.0003J	<0.0010	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	0.0048	0.0005J	0.0018J	<0.0020	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	0.0004J	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	0.0071J	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	0.0058J	0.0054J
Cobalt	(mg/l)	1	0.0022J	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	0.0040J	<0.0100	<0.0100
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	19.6	32.2	17.0	80.3	35.6
Iron (Dissolved)	(mg/l)	5	4.06	6.64	3.52	7.34	7.26
Lead	(mg/l)	0.0075	0.0012J	0.0012J	0.0004J	0.0020	0.0006J
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	0.0015J	<0.0020	0.0013J	<0.0020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-40C DUP-002/060113 01/13/2006 Duplicate 1	HMW-40C HMW-40C/060406 04/06/2006 Primary	HMW-40C HMW-40C/060711 07/11/2006 Primary	HMW-40C HMW-40C/061010 10/10/2006 Primary	HMW-40C DUP-002/061010 10/10/2006 Duplicate 1
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0035J	0.0069J	0.0107	0.0042J	<0.0100
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	0.0051J	0.0061J	<0.0100	<0.0100
Selenium	(mg/l)	0.05	0.0112	0.0169	0.0287	0.0421	0.0166
Selenium (Dissolved)	(mg/l)	0.05	0.0051J	<0.0060	0.0184	<0.0060	0.0038J
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0139	0.0057J	<0.0100	<0.0100	0.0094J
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc	(mg/l)	5	0.0088J	0.0272	0.0191	0.0335	0.0124
Zinc (Dissolved)	(mg/l)	5	0.0027J	0.0081J	0.0072J	<0.0100	<0.0100

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-43C HMW-43C/061010 10/10/2006 Primary	HMW-43C DUP-001/061010 10/10/2006 Duplicate 1	HMW-44D HMW-44D/061011 10/11/2006 Primary	HMW-47B HMW-47B/061010 10/10/2006 Primary	HMW-48C HMW-48C/060623 06/23/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	0.0023J	<0.0500
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500
Arsenic	(mg/l)	0.05	0.0247	0.0351	<0.0030	0.0078	<0.0250
Arsenic (Dissolved)	(mg/l)	0.05	0.0233	0.0195	<0.0030	0.0041	<0.0250
Barium	(mg/l)	2	0.190	0.191	0.588	0.318	NA
Barium (Dissolved)	(mg/l)	2	0.178	0.180	0.564	0.253	NA
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	0.0003J
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	0.0015J	0.0743
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	<0.0020	0.0010J
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	0.0057J
Chromium (Dissolved)	(mg/l)	0.1	0.0058J	0.0057J	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	<0.0100	0.0027J	<0.0100	<0.0100	NA
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	<0.0100	0.0027J	NA
Copper	(mg/l)	0.65	NA	NA	NA	NA	0.0148
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	<0.0100
Iron	(mg/l)	5	10.7	10.7	13.7	4.18	18.8
Iron (Dissolved)	(mg/l)	5	10.4S	9.94	13.8	1.15	14.1
Lead	(mg/l)	0.0075	0.0020J	0.0007J	<0.0020	0.0010J	0.650
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	<0.0020	<0.0020	0.019J

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-43C HMW-43C/061010 10/10/2006 Primary	HMW-43C DUP-001/061010 10/10/2006 Duplicate 1	HMW-44D HMW-44D/061011 10/11/2006 Primary	HMW-47B HMW-47B/061010 10/10/2006 Primary	HMW-48C HMW-48C/060623 06/23/2006 Primary
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0058J	0.0052J	<0.0100	<0.0100	0.0086J
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	0.0035J	<0.0100	<0.0100	<0.0100
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0500
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0500
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	<0.0100	<0.0100	0.0063J	0.0043J	NA
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	<0.0100	<0.0100	NA
Zinc	(mg/l)	5	<0.0100	0.145	<0.0100	0.169	0.178
Zinc (Dissolved)	(mg/l)	5	<0.0100	<0.0100	<0.0100	0.0060J	0.0036J

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-48D HMW-48D/061010 10/10/2006 Primary	HMW-49B HMW-49B/060112 01/12/2006 Primary	HMW-49B HMW-49B/060406 04/06/2006 Primary	HMW-49C HMW-49C/060113 01/13/2006 Primary	HMW-49C HMW-49C/060406 04/06/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	0.0020J	0.0021J	<0.0050
Arsenic	(mg/l)	0.05	0.0023J	0.0244	0.0251	0.0075	0.0047
Arsenic (Dissolved)	(mg/l)	0.05	<0.0030	0.0201	0.0251	0.0046	<0.0030
Barium	(mg/l)	2	0.352	0.620	0.748	0.432	0.377
Barium (Dissolved)	(mg/l)	2	0.338	0.495	0.602	0.317	0.322
Beryllium	(mg/l)	0.004	<0.0010	0.0004J	0.0003J	0.0007J	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	0.0006J	<0.0010	<0.0010	0.0003J
Cadmium	(mg/l)	0.005	<0.0020	0.0618	0.0093	0.0049	0.0007J
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	0.0007J	0.0009J	0.0006J	0.0017J
Chromium	(mg/l)	0.1	0.0041J	<0.0100	0.0076J	0.0246	0.0090J
Chromium (Dissolved)	(mg/l)	0.1	0.0061J	<0.0100	0.0070J	<0.0100	0.0085J
Cobalt	(mg/l)	1	<0.0100	0.0070J	0.0091J	0.0093J	0.0022J
Cobalt (Dissolved)	(mg/l)	1	<0.0100	0.0042J	0.0067J	0.0034J	<0.0100
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	27.0	21.6	27.9	37.7	17.7
Iron (Dissolved)	(mg/l)	5	24.3	16.6	16.8	22.5	14.6
Lead	(mg/l)	0.0075	0.0031	0.0063	0.0064	0.0266	0.0132
Lead (Dissolved)	(mg/l)	0.0075	0.0009J	0.0022	0.0034	0.0141	0.0117

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-48D HMW-48D/061010 10/10/2006 Primary	HMW-49B HMW-49B/060112 01/12/2006 Primary	HMW-49B HMW-49B/060406 04/06/2006 Primary	HMW-49C HMW-49C/060113 01/13/2006 Primary	HMW-49C HMW-49C/060406 04/06/2006 Primary
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	<0.0100	0.0043J	0.0080J	0.0254	0.0087J
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	0.0043J	0.0035J	<0.0100	0.0071J
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	<0.0100	0.0080J	0.0077J	0.0383	0.0031J
Vanadium (Dissolved)	(mg/l)	0.049	0.0064J	<0.0100	0.0061J	<0.0100	<0.0100
Zinc	(mg/l)	5	0.0200	0.510	0.162	0.196	0.0904
Zinc (Dissolved)	(mg/l)	5	0.0283	0.0177	0.0139	0.0049J	0.0290

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-49C HMW-49C/060710 07/10/2006 Primary	HMW-49C HMW-49C/061011 10/11/2006 Primary	HMW-49D HMW-49D/060113 01/13/2006 Primary	HMW-49D HMW-49D/060406 04/06/2006 Primary	HMW-49D DUP-001/060406 04/06/2006 Duplicate 1
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0077	0.0067	<0.0030	0.0009J	0.0012J
Arsenic (Dissolved)	(mg/l)	0.05	0.0047	0.0050	<0.0030	<0.0030	0.0008J
Barium	(mg/l)	2	0.371	0.342	0.332	0.356	0.355
Barium (Dissolved)	(mg/l)	2	0.318	0.317	0.291	0.326	0.343
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	0.0008J	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	0.0008J	<0.0010	0.0003J
Cadmium	(mg/l)	0.005	0.0014J	<0.0020	0.0018J	0.0009J	0.0004J
Cadmium (Dissolved)	(mg/l)	0.005	0.0005J	<0.0020	0.0011J	0.0012J	0.0011J
Chromium	(mg/l)	0.1	0.0133	<0.0100	<0.0100	0.0080J	0.0073J
Chromium (Dissolved)	(mg/l)	0.1	0.0057J	0.0058J	<0.0100	0.0046J	0.0052J
Cobalt	(mg/l)	1	0.0118	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	0.0056J	<0.0100	<0.0100	<0.0100	<0.0100
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	28.8	19.4	27.1S	31.8	32.4
Iron (Dissolved)	(mg/l)	5	18.6	17.3	25.4S	20.0	28.3
Lead	(mg/l)	0.0075	0.0154	0.0197	0.0020J	0.0045	0.0046
Lead (Dissolved)	(mg/l)	0.0075	0.0129	0.0162	<0.0020	0.0006J	0.0038

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-49C HMW-49C/060710 07/10/2006 Primary	HMW-49C HMW-49C/061011 10/11/2006 Primary	HMW-49D HMW-49D/060113 01/13/2006 Primary	HMW-49D HMW-49D/060406 04/06/2006 Primary	HMW-49D DUP-001/060406 04/06/2006 Duplicate 1
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0227	<0.0100	<0.0100	0.0068J	0.0070J
Nickel (Dissolved)	(mg/l)	0.1	0.0144	<0.0100	<0.0100	0.0049J	0.0059J
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	0.0034J	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0054J	0.0035J	0.0046J	0.0062J	0.0040J
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	0.0071J	<0.0100	0.0048J
Zinc	(mg/l)	5	0.152	0.0347	0.0166	0.0321	0.0319
Zinc (Dissolved)	(mg/l)	5	0.0060J	0.0029J	<0.0100	0.0065J	0.0288

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-49D HMW-49D/060710 07/10/2006 Primary	HMW-49D Dup-001/060710 07/10/2006 Duplicate 1	HMW-49D HMW-49D/061010 10/10/2006 Primary	HMW-49D DUP-003/061010 10/10/2006 Duplicate 1	HMW-50A HMW-50A/060112 01/12/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	0.0030J
Arsenic	(mg/l)	0.05	0.0013J	0.0029J	<0.0030	<0.0030	0.0018J
Arsenic (Dissolved)	(mg/l)	0.05	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Barium	(mg/l)	2	0.372	0.368	0.351	0.323	0.0758
Barium (Dissolved)	(mg/l)	2	0.291	0.290	0.298	0.304	0.0559
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	0.0014J	0.0016J	<0.0020	<0.0020	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	0.0005J	0.0012J	<0.0020	<0.0020	0.00[illegible]6J
Chromium	(mg/l)	0.1	0.0055J	0.0075J	0.0040J	<0.0100	<0.0[illegible]00
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	0.0052J	0.0067J	0.0066J	<0.0[illegible]00
Cobalt	(mg/l)	1	0.0055J	0.0074J	<0.0100	<0.0100	<0.0[illegible]00
Cobalt (Dissolved)	(mg/l)	1	0.0044J	0.0053J	<0.0100	<0.0100	<0.0100
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	30.7	31.2	30.4	29.2	2.00
Iron (Dissolved)	(mg/l)	5	27.1	26.8	27.8	27.7	0.0480
Lead	(mg/l)	0.0075	0.0062	0.0058	0.0045	0.0018J	0.0028
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	0.0005J	0.0009J	<0.0020	0.0005J
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-49D HMW-49D/060710 07/10/2006 Primary	HMW-49D Dup-001/060710 07/10/2006 Duplicate 1	HMW-49D HMW-49D/061010 10/10/2006 Primary	HMW-49D DUP-003/061010 10/10/2006 Duplicate 1	HMW-50A HMW-50A/060112 01/12/2006 Primary
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0174	0.0174	<0.0100	<0.0100	<0.0100
Nickel (Dissolved)	(mg/l)	0.1	0.0129	0.0147	<0.0100	<0.0100	<0.0100
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	0.0038J	0.0033J	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	0.0032J	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0047J	0.0057J	0.0077J	0.0077J	0.0044J
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc	(mg/l)	5	0.0759	0.0719	0.0521	0.0294	0.499
Zinc (Dissolved)	(mg/l)	5	0.0026J	0.0022J	<0.0100	<0.0100	0.0267

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50A DUP-001/060112 01/12/2006 Duplicate 1	HMW-50A HMW-50A/060407 04/07/2006 Primary	HMW-50A HMW-50A/060711 07/11/2006 Primary	HMW-50A HMW-50A/061010 10/10/2006 Primary	HMW-50B HMW-50B/060113 01/13/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0031	0.0011J	<0.0030	<0.0030	<0.0030
Arsenic (Dissolved)	(mg/l)	0.05	0.0007J	0.0011J	0.0010J	<0.0030	<0.0030
Barium	(mg/l)	2	0.0607	0.0541	0.0579	0.0580	0.313
Barium (Dissolved)	(mg/l)	2	0.0552	0.0458	0.0436	0.0504	0.282
Beryllium	(mg/l)	0.004	<0.0010	0.0003J	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	0.0003J	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	<0.0020	0.0007J	<0.0020	0.0010J
Cadmium (Dissolved)	(mg/l)	0.005	0.0014J	<0.0020	0.0005J	<0.0020	0.0005J
Chromium	(mg/l)	0.1	<0.0100	0.0059J	0.0040J	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	0.0047J	<0.0100
Cobalt	(mg/l)	1	<0.0100	<0.0100	0.0022J	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	0.0050J	<0.0100	<0.0100
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	0.475	0.744	1.33	0.731	6.64
Iron (Dissolved)	(mg/l)	5	<0.0200	<0.0200	<0.0200	<0.0200	5.29
Lead	(mg/l)	0.0075	0.0020J	<0.0020	0.0005J	<0.0020	0.0009J
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	<0.0020	0.0012J	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50A DUP-001/060112 01/12/2006 Duplicate 1	HMW-50A HMW-50A/060407 04/07/2006 Primary	HMW-50A HMW-50A/060711 07/11/2006 Primary	HMW-50A HMW-50A/061010 10/10/2006 Primary	HMW-50B HMW-50B/060113 01/13/2006 Primary
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	<0.0100	0.0058J	0.0080J	0.0048J	<0.0100
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	0.0054J	0.0036J	<0.0100	<0.0100
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	<0.0100	0.0045J	0.0061J	<0.0100	0.0040J
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	0.0042J	<0.0100	<0.0100	0.0038J
Zinc	(mg/l)	5	0.0344	0.0134	0.0277	<0.0100	0.0035J
Zinc (Dissolved)	(mg/l)	5	0.0286	0.0041J	0.0075J	<0.0100	<0.0100

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50B HMW-50B/060406 04/06/2006 Primary	HMW-50B HMW-50B/060711 07/11/2006 Primary	HMW-50B HMW-50B/061010 10/10/2006 Primary	HMW-50C HMW-50C/060116 01/16/2006 Primary	HMW-50C HMW-50C/060407 04/07/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Arsenic (Dissolved)	(mg/l)	0.05	<0.0030	0.0008J	<0.0030	<0.0030	0.0010J
Barium	(mg/l)	2	0.332	0.289	0.215	0.337	0.381
Barium (Dissolved)	(mg/l)	2	0.274	0.273	0.193	0.314	0.340
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	0.0008J	0.0003J
Beryllium (Dissolved)	(mg/l)	0.004	0.0003J	<0.0010	<0.0010	0.0006J	0.0003J
Cadmium	(mg/l)	0.005	<0.0020	0.0013J	<0.0020	0.0011J	0.0011J
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	0.0011J	0.0013J
Chromium	(mg/l)	0.1	0.0059J	0.0042J	<0.0100	<0.0100	0.0042J
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	0.0050J	<0.0100	0.0064J
Cobalt	(mg/l)	1	<0.0100	0.0036J	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	0.0037J	<0.0100	<0.0100	0.0026J
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	7.38	5.67	4.74	12.4	18.4S
Iron (Dissolved)	(mg/l)	5	4.65	5.22	3.02	8.81S	13.2
Lead	(mg/l)	0.0075	0.0012J	0.0006J	<0.0020	0.0006J	<0.0020
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	0.0011J	<0.0020	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50B HMW-50B/060406 04/06/2006 Primary	HMW-50B HMW-50B/060711 07/11/2006 Primary	HMW-50B HMW-50B/061010 10/10/2006 Primary	HMW-50C HMW-50C/060116 01/16/2006 Primary	HMW-50C HMW-50C/060407 04/07/2006 Primary
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	<0.0100	0.0038J	<0.0100	<0.0100	0.0080J
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	0.0033J	<0.0100	<0.0100	0.0048J
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060S	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	0.0091J	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0041J	<0.0100	<0.0100	<0.0100	0.0032J
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	0.0086J	<0.0100	<0.0100
Zinc	(mg/l)	5	0.0098J	0.0071J	<0.0100	0.0639	0.0131
Zinc (Dissolved)	(mg/l)	5	0.0041J	0.0058J	<0.0100	0.0378	<0.0100

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50C HMW-50C/060710 07/10/2006 Primary	HMW-50C HMW-50C/061009 10/09/2006 Primary	HMW-52C HMW-52C/060112 01/12/2006 Primary	HMW-52C HMW-52C/060407 04/07/2006 Primary	HMW-52C HMW-52C/060710 07/10/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	0.0020J	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	<0.0030	<0.0030	0.0053	0.0089	0.0030
Arsenic (Dissolved)	(mg/l)	0.05	<0.0030	<0.0030	0.0022J	0.0022J	0.0026J
Barium	(mg/l)	2	0.290	0.256	0.461	0.504	0.495
Barium (Dissolved)	(mg/l)	2	0.257	0.247	0.320	0.368	0.353
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	0.0005J	0.0004J
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	0.0015J	<0.0020	<0.0020	0.0036	0.0016J
Cadmium (Dissolved)	(mg/l)	0.005	0.0011J	<0.0020	0.0012J	0.0013J	0.0010J
Chromium	(mg/l)	0.1	0.0074J	<0.0100	<0.0100	0.0150	0.0137
Chromium (Dissolved)	(mg/l)	0.1	0.0067J	0.0057J	<0.0100	0.0055J	0.0052J
Cobalt	(mg/l)	1	0.0056J	<0.0100	<0.0100	0.0037J	0.0083J
Cobalt (Dissolved)	(mg/l)	1	0.0064J	<0.0100	<0.0100	<0.0100	0.0039J
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	14.4	2.63	21.0	32.2	29.6
Iron (Dissolved)	(mg/l)	5	0.756	0.184	16.6	13.6	14.4
Lead	(mg/l)	0.0075	0.0009J	0.0006J	0.0150	0.0330	0.0143
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50C HMW-50C/060710 07/10/2006 Primary	HMW-50C HMW-50C/061009 10/09/2006 Primary	HMW-52C HMW-52C/060112 01/12/2006 Primary	HMW-52C HMW-52C/060407 04/07/2006 Primary	HMW-52C HMW-52C/060710 07/10/2006 Primary
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0081J	<0.0100	<0.0100	0.0162	0.0425
Nickel (Dissolved)	(mg/l)	0.1	0.0061J	<0.0100	<0.0100	0.0066J	0.0197
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060S	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	0.0059J	<0.0100	<0.0100	<0.0100	0.0057J
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	0.0038J
Vanadium	(mg/l)	0.049	<0.0100	<0.0100	0.0093J	0.0083J	0.0242
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc	(mg/l)	5	0.0090J	0.0093J	0.128	0.524	0.464
Zinc (Dissolved)	(mg/l)	5	0.0030J	<0.0100	0.0445	0.0069J	0.0099J

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-52C HMW-52C/061010 10/10/2006 Primary	HMW-53C HMW-53C/061011 10/11/2006 Primary	HMW-54C HMW-54C/061012 10/12/2006 Primary	MP-59A MP-59A/061011 10/11/2006 Primary	MP-78D MP-78D/061012 10/12/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0021J	0.0011J	<0.0030	0.0025J	0.0191
Arsenic (Dissolved)	(mg/l)	0.05	0.0015J	<0.0030	<0.0030	0.0014J	0.0144
Barium	(mg/l)	2	0.384	0.400	0.464	0.0466	0.190
Barium (Dissolved)	(mg/l)	2	0.358	0.382	0.492	0.0282	0.191
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	<0.0020	0.0003J	0.0009J	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	0.0063J	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	0.0023J	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	<0.0100	0.0039J	<0.0100
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	16.1	8.47	8.37	2.29	21.45
Iron (Dissolved)	(mg/l)	5	14.3	6.76	7.22	0.011J	20.6
Lead	(mg/l)	0.0075	0.0068	0.0013J	0.0007J	0.0036	0.0023
Lead (Dissolved)	(mg/l)	0.0075	0.0029	<0.0020	<0.0020	0.0006J	0.0015J
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-52C HMW-52C/061010 10/10/2006 Primary	HMW-53C HMW-53C/061011 10/11/2006 Primary	HMW-54C HMW-54C/061012 10/12/2006 Primary	MP-59A MP-59A/061011 10/11/2006 Primary	MP-78D MP-78D/061012 10/12/2006 Primary
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	0.0089J	<0.0100
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	0.0040J	<0.0100
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	0.0050J
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	0.0037J
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0062J	0.0039J	0.0072J	0.0035J	<0.0100
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	0.0059J	0.0059J	0.0096J
Zinc	(mg/l)	5	0.0661	0.0122	0.0040J	0.0516	<0.0100
Zinc (Dissolved)	(mg/l)	5	0.0303	0.0050J	<0.0100	0.0040J	<0.0100

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-81C MP-81C/060113 01/13/2006 Primary	MP-81C MP-81C/060406 04/06/2006 Primary	MP-81C DUP-002/060406 04/06/2006 Duplicate 1	MP-81C HMW-81C/060711 07/11/2006 Primary	MP-81C MP-81C/061011 10/11/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	<0.0030	0.0017J	<0.0030	<0.0030	0.0013J
Arsenic (Dissolved)	(mg/l)	0.05	0.0019J	<0.0030	<0.0030	<0.0030	<0.0030
Barium	(mg/l)	2	0.0819	0.0953	0.0799	0.0729	0.0697
Barium (Dissolved)	(mg/l)	2	0.0775	0.0725	0.0716	0.0680	0.0649
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	0.0004J	0.0003J	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	0.0014J	0.0005J	<0.0020	0.0007J	0.0004J
Cadmium (Dissolved)	(mg/l)	0.005	0.0006J	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	0.0050J	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	0.0059J	<0.0100	<0.0100	0.0054J
Cobalt	(mg/l)	1	0.0056J	0.0061J	0.0058J	0.0089J	0.0075J
Cobalt (Dissolved)	(mg/l)	1	0.0044J	0.0053J	0.0045J	0.0080J	0.0087J
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	0.536	1.96	0.542	0.0498	0.0313
Iron (Dissolved)	(mg/l)	5	0.0501	0.0949	0.105	<0.0200	0.805
Lead	(mg/l)	0.0075	0.0010J	0.0023	<0.0020	0.0006J	<0.0020
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-81C MP-81C/060113 01/13/2006 Primary	MP-81C MP-81C/060406 04/06/2006 Primary	MP-81C DUP-002/060406 04/06/2006 Duplicate 1	MP-81C HMW-81C/060711 07/11/2006 Primary	MP-81C MP-81C/061011 10/11/2006 Primary
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0272	0.0283	0.0241	0.0242	0.0199
Nickel (Dissolved)	(mg/l)	0.1	0.0221	0.0214	0.0221	0.0243	0.0213
Selenium	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0092J	0.0060J	0.0036J	<0.0100	0.0039J
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	0.0034J	<0.0100	<0.0100	<0.0100
Zinc	(mg/l)	5	0.0047J	0.0207	0.0080J	0.0095J	0.0036J
Zinc (Dissolved)	(mg/l)	5	0.0075J	0.0115	0.0085J	0.0095J	0.0044J

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-83C MP-83C/061012 10/12/2006 Primary	MP-85B MP-85B/061010 10/10/2006 Primary	MP-85D MP-85D/061011 10/11/2006 Primary	MP-89C MP-89C/060116 01/16/2006 Primary	MP-89C MP-89C/060406 04/06/2006 Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	0.0035J	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	0.0022J	<0.0050
Arsenic	(mg/l)	0.05	0.0045	0.124	<0.0030	0.0076	0.0140
Arsenic (Dissolved)	(mg/l)	0.05	0.0053	0.126S	<0.0030	0.0068	0.0039
Barium	(mg/l)	2	0.464	0.562	0.386	0.636	1.19
Barium (Dissolved)	(mg/l)	2	0.496	0.396	0.351	0.439	0.537
Beryllium	(mg/l)	0.004	<0.0010	0.0006J	<0.0010	0.0004J	0.0016
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	0.0004J	0.0003J
Cadmium	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	0.0053	0.0039
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	0.0012J	0.0016J
Chromium	(mg/l)	0.1	<0.0100	0.0205	<0.0100	0.0242	0.0672
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	0.0062J	<0.0100	<0.0100	0.0056J
Cobalt	(mg/l)	1	<0.0100	0.0084J	<0.0100	0.0095J	0.0303
Cobalt (Dissolved)	(mg/l)	1	0.0026J	<0.0100	<0.0100	<0.0100	<0.0100
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	20.8	56.8	16.7	44.3	105
Iron (Dissolved)	(mg/l)	5	20.9	37.2S	15.9	20.6	29.2
Lead	(mg/l)	0.0075	0.0034	0.0171	<0.0020	0.0271	0.0623
Lead (Dissolved)	(mg/l)	0.0075	0.0024	0.0010J	<0.0020	<0.0020	<0.0020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-83C MP-83C/061012 10/12/2006 Primary	MP-85B MP-85B/061010 10/10/2006 Primary	MP-85D MP-85D/061011 10/11/2006 Primary	MP-89C MP-89C/060116 01/16/2006 Primary	MP-89C MP-89C/060406 04/06/2006 Primary
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	0.00007J	0.00012J
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	<0.0100	0.0198	<0.0100	0.0288	0.0736
Nickel (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	0.0042J
Selenium	(mg/l)	0.05	0.0037J	<0.0060	<0.0060	<0.0060	0.0038J
Selenium (Dissolved)	(mg/l)	0.05	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	0.0066J	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	0.0087J	0.0290	0.0098J	0.0092J	0.114
Vanadium (Dissolved)	(mg/l)	0.049	0.0074J	0.0097J	<0.0100	<0.0100	0.0035J
Zinc	(mg/l)	5	0.0042J	0.0531	0.0106	0.155	0.273
Zinc (Dissolved)	(mg/l)	5	<0.0100	<0.0100	<0.0100	0.0564	0.0048J

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-89C MP-89C/060711 07/11/2006 Primary	MP-89C MP-89C/061011 10/11/2006 Primary	MP-92D MP-92D/060407 04/07/2006 Primary	MP-92D MP-92D/060711 07/11/2006 Primary	MP-92D DUP-002/060711 07/11/2006 Duplicate 1
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0009J	0.0150	0.0036	0.0048	0.0028J
Arsenic (Dissolved)	(mg/l)	0.05	0.0014J	0.0141	0.0028J	0.0048	0.0030
Barium	(mg/l)	2	0.313	0.198	0.204	0.171	0.164
Barium (Dissolved)	(mg/l)	2	0.252	0.159	0.166	0.144	0.145
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	0.0003J	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	0.0021	<0.0020	0.0004J	0.0011J	0.0006J
Cadmium (Dissolved)	(mg/l)	0.005	0.0007J	<0.0020	<0.0020	0.0006J	0.0003J
Chromium	(mg/l)	0.1	<0.0100	<0.0100	0.0066J	0.0044J	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	0.0065J	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	0.0144	<0.0100	<0.0100	0.0043J	0.0054J
Cobalt (Dissolved)	(mg/l)	1	0.0147	<0.0100	<0.0100	0.0052J	0.0068J
Copper	(mg/l)	0.65	NA	NA	NA	NA	NA
Copper (Dissolved)	(mg/l)	0.65	NA	NA	NA	NA	NA
Iron	(mg/l)	5	29.0	30.3	8.65	6.68	6.35
Iron (Dissolved)	(mg/l)	5	20.8	28.8	6.70	5.53	5.555
Lead	(mg/l)	0.0075	0.0015J	0.0007J	0.0024	0.0008J	0.0009J
Lead (Dissolved)	(mg/l)	0.0075	0.0009J	<0.0020	<0.0020	<0.0020	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-89C MP-89C/060711 07/11/2006 Primary	MP-89C MP-89C/061011 10/11/2006 Primary	MP-92D MP-92D/060407 04/07/2006 Primary	MP-92D MP-92D/060711 07/11/2006 Primary	MP-92D DUP-002/060711 07/11/2006 Duplicate 1
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0339	<0.0100	0.0077J	0.0096J	0.0081J
Nickel (Dissolved)	(mg/l)	0.1	0.0340	<0.0100	0.0034J	0.0061J	0.0062J
Selenium	(mg/l)	0.05	0.0870	<0.0060	<0.0060	<0.0060	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	0.0803	<0.0060	<0.0060	<0.0060	<0.0060
Silver	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	(mg/l)	0.049	<0.0100	0.0080J	0.0055J	<0.0100	<0.0100
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc	(mg/l)	5	0.0129	0.0193	0.0779	0.0155	0.0079J
Zinc (Dissolved)	(mg/l)	5	0.0086J	<0.0100	0.0033J	0.0028J	0.0038J

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-92D MP-92D/061011 10/11/2006 Primary
Antimony	(mg/l)	0.006	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050
Arsenic	(mg/l)	0.05	0.0050
Arsenic (Dissolved)	(mg/l)	0.05	0.0031
Barium	(mg/l)	2	0.173
Barium (Dissolved)	(mg/l)	2	0.126
Beryllium	(mg/l)	0.004	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010
Cadmium	(mg/l)	0.005	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020
Chromium	(mg/l)	0.1	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100
Cobalt	(mg/l)	1	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100
Copper	(mg/l)	0.65	NA
Copper (Dissolved)	(mg/l)	0.65	NA
Iron	(mg/l)	5	9.78
Iron (Dissolved)	(mg/l)	5	6.80
Lead	(mg/l)	0.0075	0.0031
Lead (Dissolved)	(mg/l)	0.0075	<0.0020
Mercury	(mg/l)	0.002	<0.00020

See Notes at the End of Table

Appendix E-2
2006 Summary of Groundwater Analytical Results
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE *SAMPLE ID* DATE RESULT TYPE	COMPARISON VALUE	MP-92D *MP-92D/061011* 10/11/2006 Primary
Mercury (Dissolved)	(mg/l)	0.002	<0.00020
Nickel	(mg/l)	0.1	0.0033J
Nickel (Dissolved)	(mg/l)	0.1	<0.0100
Selenium	(mg/l)	0.05	<0.0060
Selenium (Dissolved)	(mg/l)	0.05	<0.0060
Silver	(mg/l)	0.05	<0.0100
Silver (Dissolved)	(mg/l)	0.05	<0.0100
Vanadium	(mg/l)	0.049	<0.0100
Vanadium (Dissolved)	(mg/l)	0.049	<0.0100
Zinc	(mg/l)	5	0.0084J
Zinc (Dissolved)	(mg/l)	5	<0.0100

See Notes at the End of Table

APPENDIX E-3

GENERAL CHEMISTRY AND NATURAL ATTENUATION PARAMETERS

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-38C HMW-38C/061010 10/10/2006 Primary	HMW-39B HMW-39B/060112 01/12/2006 Primary	HMW-39B HMW-39B/060406 04/06/2006 Primary	HMW-39B HMW-39B/060710 07/10/2006 Primary	HMW-39B HMW-39B/061010 10/10/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		684	324	307	263	255
Ammonia (as N)	(mg/l)		0.15	0.10	<0.10	0.16	<0.10
Chloride	(mg/l)	200	55	156	207	249	201
COD	(mg/l)		60	20	<20	74	10J
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.050	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		750	250	280	310	230
Nitrate (as N)	(mg/l)	10	0.023J	0.084	0.448	0.101	0.055
Nitrate Plus Nitrite (as N)	(mg/l)		0.023J	0.095	0.448	0.101	0.055
Nitrite (as N)	(mg/l)		<0.010	0.011	<0.010	<0.010	<0.010
Phosphorus	(mg/l)		0.568	0.022	<0.020	1.78	0.134
Phosphorus (Dissolved)	(mg/l)		0.525	0.011J	<0.020	0.011J	0.019J
Sulfate	(mg/l)	400	<40	<40	<40	<40	<40
Sulfide	(mg/l)		0.18	<0.05	<0.05	0.47S	0.09S
Total dissolved solids (TDS)	(mg/l)		816	606	700	628	574
Total Organic Carbon	(mg/l)		12.1	2.0	1.5	2.1	2.2
Total suspended solids	(mg/l)		43	7	<6	3280	301

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-39C HMW-39C/060113 01/13/2006 Primary	HMW-39C HMW-39C/060406 04/06/2006 Primary	HMW-39C HMW-39C/060711 07/11/2006 Primary	HMW-39C HMW-39C/061011 10/11/2006 Primary	HMW-40C HMW-40C/060113 01/13/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		249	248	258	258	412
Ammonia (as N)	(mg/l)		0.36	0.32	0.27	0.28	0.09J
Chloride	(mg/l)	200	269	185	173	205	14
COD	(mg/l)		28	8J	19J	<20	31
Cyanide	(mg/l)	0.2	<0.007	<0.050	<0.007	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		260	240	290	280	420
Nitrate (as N)	(mg/l)	10	0.256	<0.050	0.036J	<0.050	0.168
Nitrate Plus Nitrite (as N)	(mg/l)		0.256	<0.050	0.036J	<0.050	0.190
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	<0.010	0.022
Phosphorus	(mg/l)		0.394	0.353	0.332	0.352	0.146
Phosphorus (Dissolved)	(mg/l)		0.291	0.243	0.286	0.312	0.014J
Sulfate	(mg/l)	400	<40	<40	<40	<40	40
Sulfide	(mg/l)		0.03JS	0.02J	<0.05	0.02J	<0.05S
Total dissolved solids (TDS)	(mg/l)		754	614	590	614	490
Total Organic Carbon	(mg/l)		1.4	1.7	1.9	1.7	3.2
Total suspended solids	(mg/l)		39	24	6	18	71

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-40C DUP-002/060113 01/13/2006 Duplicate 1	HMW-40C HMW-40C/060406 04/06/2006 Primary	HMW-40C HMW-40C/060711 07/11/2006 Primary	HMW-40C HMW-40C/061010 10/10/2006 Primary	HMW-40C DUP-002/061010 10/10/2006 Duplicate 1
Alkalinity (as CaCO3)	(mg/l)		416	446	400	408	424
Ammonia (as N)	(mg/l)		0.07J	0.11	<0.10	0.17	0.09J
Chloride	(mg/l)	200	14	27	18	25	24
COD	(mg/l)		15J	<20	9J	10J	8J
Cyanide	(mg/l)	0.2	<0.007	0.004J	<0.007	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		430	480	430	430	460
Nitrate (as N)	(mg/l)	10	0.096	<0.050	0.156	0.022J	0.015J
Nitrate Plus Nitrite (as N)	(mg/l)		0.115	<0.050	0.195	0.027J	0.020J
Nitrite (as N)	(mg/l)		0.019	<0.010	0.039	<0.010	<0.010
Phosphorus	(mg/l)		0.082	0.133	0.085	0.522	0.180
Phosphorus (Dissolved)	(mg/l)		0.014J	0.023	<0.020	0.011J	0.015J
Sulfate	(mg/l)	400	<40	<40	<40	<40	<40
Sulfide	(mg/l)		<0.05	0.07	<0.05	0.05J	<0.05
Total dissolved solids (TDS)	(mg/l)		486	572	454	510	504
Total Organic Carbon	(mg/l)		2.7	2.7	2.7	4.6	3.1
Total suspended solids	(mg/l)		44	82	39	199	82

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-43C HMW-43C/061010 10/10/2006 Primary	HMW-43C DUP-001/061010 10/10/2006 Duplicate 1	HMW-44D HMW-44D/061011 10/11/2006 Primary	HMW-47B HMW-47B/061010 10/10/2006 Primary	HMW-48C HMW-48C/060623 06/23/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		492	490	664	NA	608
Ammonia (as N)	(mg/l)		0.26	0.25	0.18	NA	1.15
Chloride	(mg/l)	200	47	47	32	NA	NA
COD	(mg/l)		<20	8J	18J	NA	840
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.007	NA
Hardness (as CaCO3)	(mg/l)		650	650	610	NA	530
Nitrate (as N)	(mg/l)	10	0.016J	0.021J	<0.050	NA	NA
Nitrate Plus Nitrite (as N)	(mg/l)		0.016J	0.021J	<0.050	NA	NA
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	NA	NA
Phosphorus	(mg/l)		0.145	0.101	0.244S	NA	NA
Phosphorus (Dissolved)	(mg/l)		0.139	0.091	0.215SR	0.290	NA
Sulfate	(mg/l)	400	149	150	<40	NA	<40
Sulfide	(mg/l)		0.03J	0.03J	0.03J	NA	0.26S
Total dissolved solids (TDS)	(mg/l)		808	812	718	NA	668
Total Organic Carbon	(mg/l)		2.4	2.4	6.3	6.0	NA
Total suspended solids	(mg/l)		13	18	33	NA	140

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-48D HMW-48D/061010 10/10/2006 Primary	HMW-49B HMW-49B/060406 04/06/2006 Primary	HMW-49C HMW-49C/060113 01/13/2006 Primary	HMW-49C HMW-49C/060406 04/06/2006 Primary	HMW-49C HMW-49C/060710 07/10/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		462	772	498	502	482
Ammonia (as N)	(mg/l)		0.20	0.13	0.13	0.19	0.06JS
Chloride	(mg/l)	200	114	350	26	7	14
COD	(mg/l)		40	65	152	93	55
Cyanide	(mg/l)	0.2	<0.007	<0.050	<0.007	<0.050	<0.007
Hardness (as CaCO3)	(mg/l)		500	1180	480	440	470
Nitrate (as N)	(mg/l)	10	0.012J	<0.050	0.023	0.010JS	<0.050
Nitrate Plus Nitrite (as N)	(mg/l)		0.012J	<0.050	0.023	0.010JS	<0.050
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	<0.010	<0.010
Phosphorus	(mg/l)		0.656	0.596	0.917	0.483	0.918
Phosphorus (Dissolved)	(mg/l)		0.583	0.424	0.820	0.451	0.837
Sulfate	(mg/l)	400	<40	<40	<40	<40	<40
Sulfide	(mg/l)		0.06S	0.06S	0.02JS	0.16S	0.04JS
Total dissolved solids (TDS)	(mg/l)		700	1650	548	542	524
Total Organic Carbon	(mg/l)		3.8	4.4	7.5	6.6	7.6S
Total suspended solids	(mg/l)		66	116	375	429	55

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-49C HMW-49C/061011 10/11/2006 Primary	HMW-49D HMW-49D/060113 01/13/2006 Primary	HMW-49D HMW-49D/060406 04/06/2006 Primary	HMW-49D DUP-001/060406 04/06/2006 Duplicate 1	HMW-49D HMW-49D/060710 07/10/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		506	534	510	526	528
Ammonia (as N)	(mg/l)		<0.10	0.24S	0.22	0.20S	0.18
Chloride	(mg/l)	200	8	33	40	40	37
COD	(mg/l)		72	52	28	41	41
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.050	<0.050	<0.007
Hardness (as CaCO3)	(mg/l)		470	490	460	490	500
Nitrate (as N)	(mg/l)	10	0.010J	0.171	0.017J	<0.050	0.027J
Nitrate Plus Nitrite (as N)	(mg/l)		0.010J	0.182	0.017J	0.015J	0.060
Nitrite (as N)	(mg/l)		<0.010	0.011	<0.010	0.010	0.033
Phosphorus	(mg/l)		0.552	0.552	0.606	0.617	0.672
Phosphorus (Dissolved)	(mg/l)		0.366	0.516	0.449	0.480	0.663
Sulfate	(mg/l)	400	<40	<40	<40	<40	<40
Sulfide	(mg/l)		0.11S	0.02J	0.03J	0.03J	0.04JS
Total dissolved solids (TDS)	(mg/l)		526	584	616	622	594
Total Organic Carbon	(mg/l)		9.4	5.3	6.0	5.9	5.0
Total suspended solids	(mg/l)		77	40	69	65	103

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-49D Dup-001/060710 07/10/2006 Duplicate 1	HMW-49D HMW-49D/061010 10/10/2006 Primary	HMW-49D DUP-003/061010 10/10/2006 Duplicate 1	HMW-50A HMW-50A/060112 01/12/2006 Primary	HMW-50A DUP-001/060112 01/12/2006 Duplicate 1
Alkalinity (as CaCO3)	(mg/l)		520	530	412	436	466
Ammonia (as N)	(mg/l)		0.19	0.20	0.21	0.05J	<0.10
Chloride	(mg/l)	200	37	47	50	42	29
COD	(mg/l)		45	18J	20	14J	14J
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		540	500	520	820	830
Nitrate (as N)	(mg/l)	10	0.323	0.079	0.336	1.60	1.31
Nitrate Plus Nitrite (as N)	(mg/l)		0.363	0.079	0.336	1.60	1.32
Nitrite (as N)	(mg/l)		0.040	<0.010	<0.010	<0.010	0.010
Phosphorus	(mg/l)		0.685	0.551	0.726	0.264	0.256
Phosphorus (Dissolved)	(mg/l)		0.628	0.432	0.381	0.179S	0.192
Sulfate	(mg/l)	400	<40	<40	<40	424	416
Sulfide	(mg/l)		0.03JS	0.05	0.05J	0.07S	<0.05
Total dissolved solids (TDS)	(mg/l)		600	624	628	1110	1140
Total Organic Carbon	(mg/l)		5.0	4.4	4.4	2.3	2.4
Total suspended solids	(mg/l)		116	64	57	149	31

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50A HMW-50A/060407 04/07/2006 Primary	HMW-50A HMW-50A/060711 07/11/2006 Primary	HMW-50A HMW-50A/061010 10/10/2006 Primary	HMW-50B HMW-50B/060113 01/13/2006 Primary	HMW-50B HMW-50B/060406 04/06/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		478	500	498	269	241
Ammonia (as N)	(mg/l)		<0.10	<0.10	<0.10	2.05	2.01
Chloride	(mg/l)	200	20S	23	26	476	286
COD	(mg/l)		<20	9J	<20	44	23
Cyanide	(mg/l)	0.2	<0.050	<0.007	<0.007	<0.007	<0.050
Hardness (as CaCO3)	(mg/l)		830	940	920	960	770
Nitrate (as N)	(mg/l)	10	1.23	0.871	0.750	0.011	<0.050
Nitrate Plus Nitrite (as N)	(mg/l)		1.23	0.871	0.773	0.011	<0.050
Nitrite (as N)	(mg/l)		<0.010	<0.010	0.023	<0.010	<0.010
Phosphorus	(mg/l)		0.183	0.277	0.233	0.442	0.505
Phosphorus (Dissolved)	(mg/l)		0.149	0.219	0.118	0.386	0.330
Sulfate	(mg/l)	400	306	475	513	388	395
Sulfide	(mg/l)		0.03JS	<0.05	0.03JS	0.06	0.03J
Total dissolved solids (TDS)	(mg/l)		1150	1240	1260	1720	1300
Total Organic Carbon	(mg/l)		2.7	2.5	2.6	1.4	1.7
Total suspended solids	(mg/l)		9	57	13	45	28

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50B HMW-50B/060711 07/11/2006 Primary	HMW-50B HMW-50B/061010 10/10/2006 Primary	HMW-50C HMW-50C/060116 01/16/2006 Primary	HMW-50C HMW-50C/060407 04/07/2006 Primary	HMW-50C HMW-50C/060710 07/10/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		271	220	538	422	560
Ammonia (as N)	(mg/l)		1.83	1.92	0.58	0.73	0.42
Chloride	(mg/l)	200	432	287	365S	806	480
COD	(mg/l)		26	35	31	60	55
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.050	<0.007
Hardness (as CaCO3)	(mg/l)		920	710	860	1110	910
Nitrate (as N)	(mg/l)	10	0.013J	0.010J	0.046	<0.050	0.013J
Nitrate Plus Nitrite (as N)	(mg/l)		0.013J	0.010J	0.056	<0.050	0.013J
Nitrite (as N)	(mg/l)		<0.010	<0.010	0.010	<0.010	<0.010
Phosphorus	(mg/l)		0.483	0.529	0.657	0.443	0.804
Phosphorus (Dissolved)	(mg/l)		0.285	0.347	0.625	0.441	0.762
Sulfate	(mg/l)	400	398	360	117	268	66
Sulfide	(mg/l)		<0.05	0.08	0.5J	1.9	8.2
Total dissolved solids (TDS)	(mg/l)		1650	1280	1420	2700	1700
Total Organic Carbon	(mg/l)		1.8	1.9	1.8	1.6	2.3
Total suspended solids	(mg/l)		65	35	9	48	29

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-50C HMW-50C/061009 10/09/2006 Primary	HMW-52C HMW-52C/060112 01/12/2006 Primary	HMW-52C HMW-52C/060407 04/07/2006 Primary	HMW-52C HMW-52C/060710 07/10/2006 Primary	HMW-52C HMW-52C/061010 10/10/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		592	568	574	586	464
Ammonia (as N)	(mg/l)		0.41	0.21	0.18	0.18	0.19
Chloride	(mg/l)	200	639S	35	29	34	36
COD	(mg/l)		62	36	37	50	<20
Cyanide	(mg/l)	0.2	<0.007	0.146	0.242	0.404	0.389
Hardness (as CaCO3)	(mg/l)		1090	690	710	740	680
Nitrate (as N)	(mg/l)	10	0.012J	0.030	<0.050	0.062	0.013J
Nitrate Plus Nitrite (as N)	(mg/l)		0.012J	0.030	<0.050	0.062	0.013J
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	<0.010	<0.010
Phosphorus	(mg/l)		0.845	0.268	0.455	0.614	0.326
Phosphorus (Dissolved)	(mg/l)		0.868	0.174	0.227	0.195	0.174
Sulfate	(mg/l)	400	64	125	118	136	144
Sulfide	(mg/l)		20	0.12S	0.20S	0.25S	0.08S
Total dissolved solids (TDS)	(mg/l)		1840	802	876	850	874
Total Organic Carbon	(mg/l)		2.0S	2.0	3.3	2.7	2.3
Total suspended solids	(mg/l)		10	157	767	626	152

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	HMW-53C HMW-53C/061011 10/11/2006 Primary	HMW-54C HMW-54C/061012 10/12/2006 Primary	MP-78D MP-78D/061012 10/12/2006 Primary	MP-81C MP-81C/060113 01/13/2006 Primary	MP-81C MP-81C/060406 04/06/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		586	564	782	596	590
Ammonia (as N)	(mg/l)		0.20	0.19	0.08J	0.09J	0.19
Chloride	(mg/l)	200	32	26	33	47	45
COD	(mg/l)		23	8J	121	23	21
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.007	<0.050
Hardness (as CaCO3)	(mg/l)		670	570	750	750	690
Nitrate (as N)	(mg/l)	10	<0.050	<0.050S	<0.050	0.106	1.58
Nitrate Plus Nitrite (as N)	(mg/l)		<0.050	<0.050S	<0.050	0.124	1.58
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	0.018	<0.010
Phosphorus	(mg/l)		0.333	0.255	0.490	0.021	0.049
Phosphorus (Dissolved)	(mg/l)		0.309	0.274	0.501	<0.020	<0.020
Sulfate	(mg/l)	400	54	<40	<40	144	139
Sulfide	(mg/l)		0.08	0.04J	0.13	0.02J	0.04J
Total dissolved solids (TDS)	(mg/l)		702	592	836	924	888
Total Organic Carbon	(mg/l)		5.0	3.3	14.9	2.3	2.0
Total suspended solids	(mg/l)		47	32	49	7	21

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-81C DUP-002/060406 04/06/2006 Duplicate 1	MP-81C HMW-81C/060711 07/11/2006 Primary	MP-81C MP-81C/061011 10/11/2006 Primary	MP-83C MP-83C/061012 10/12/2006 Primary	MP-85B MP-85B/061010 10/10/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		590	584	600	686	740
Ammonia (as N)	(mg/l)		0.15	0.08J	0.18	0.15	0.12
Chloride	(mg/l)	200	45	55	34	85	31
COD	(mg/l)		8J	<20	<20	148	50
Cyanide	(mg/l)	0.2	<0.050	<0.007	<0.007	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		690	770	750	730	610
Nitrate (as N)	(mg/l)	10	0.989	0.358	0.012J	<0.050	<0.050
Nitrate Plus Nitrite (as N)	(mg/l)		0.989	0.358	0.017J	<0.050	0.012J
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	<0.010	<0.010
Phosphorus	(mg/l)		0.031	0.011J	0.021	0.398S	1.46
Phosphorus (Dissolved)	(mg/l)		0.010J	<0.020	<0.020	0.375	1.04
Sulfate	(mg/l)	400	127	163	188S	<40	<40
Sulfide	(mg/l)		0.02J	<0.05	<0.05	0.09	0.08S
Total dissolved solids (TDS)	(mg/l)		894	918	838	870	818
Total Organic Carbon	(mg/l)		1.6	1.7	1.8	28.2	7.5
Total suspended solids	(mg/l)		7	<6	<6	55	385

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-85D MP-85D/061011 10/11/2006 Primary	MP-89C MP-89C/060116 01/16/2006 Primary	MP-89C MP-89C/060406 04/06/2006 Primary	MP-89C MP-89C/060711 07/11/2006 Primary	MP-89C MP-89C/061011 10/11/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		432	318	310	319	376
Ammonia (as N)	(mg/l)		0.40	0.31	0.33	0.18	0.22
Chloride	(mg/l)	200	89	13	13	24	31
COD	(mg/l)		30	58	161	29	<20
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.050	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		500	510	820	820	740
Nitrate (as N)	(mg/l)	10	<0.050	0.016	0.176	0.199	0.036J
Nitrate Plus Nitrite (as N)	(mg/l)		<0.050	0.029	0.176	0.312	0.036J
Nitrite (as N)	(mg/l)		<0.010	0.013	<0.010	0.113	<0.010
Phosphorus	(mg/l)		0.656	1.82	2.89S	0.809	0.509
Phosphorus (Dissolved)	(mg/l)		0.613	0.982	1.04S	0.298	0.33
Sulfate	(mg/l)	400	<40	231	496	553	449
Sulfide	(mg/l)		0.02J	<0.05S	1.7S	0.08S	0.04J
Total dissolved solids (TDS)	(mg/l)		582	652	1020	1120	1030
Total Organic Carbon	(mg/l)		4.6	3.8	7.6	3.4	2.9
Total suspended solids	(mg/l)		40	316	1010	93	75

See Notes at the End of Table

Appendix E-3
2006 Summary of Groundwater Analytical Results
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

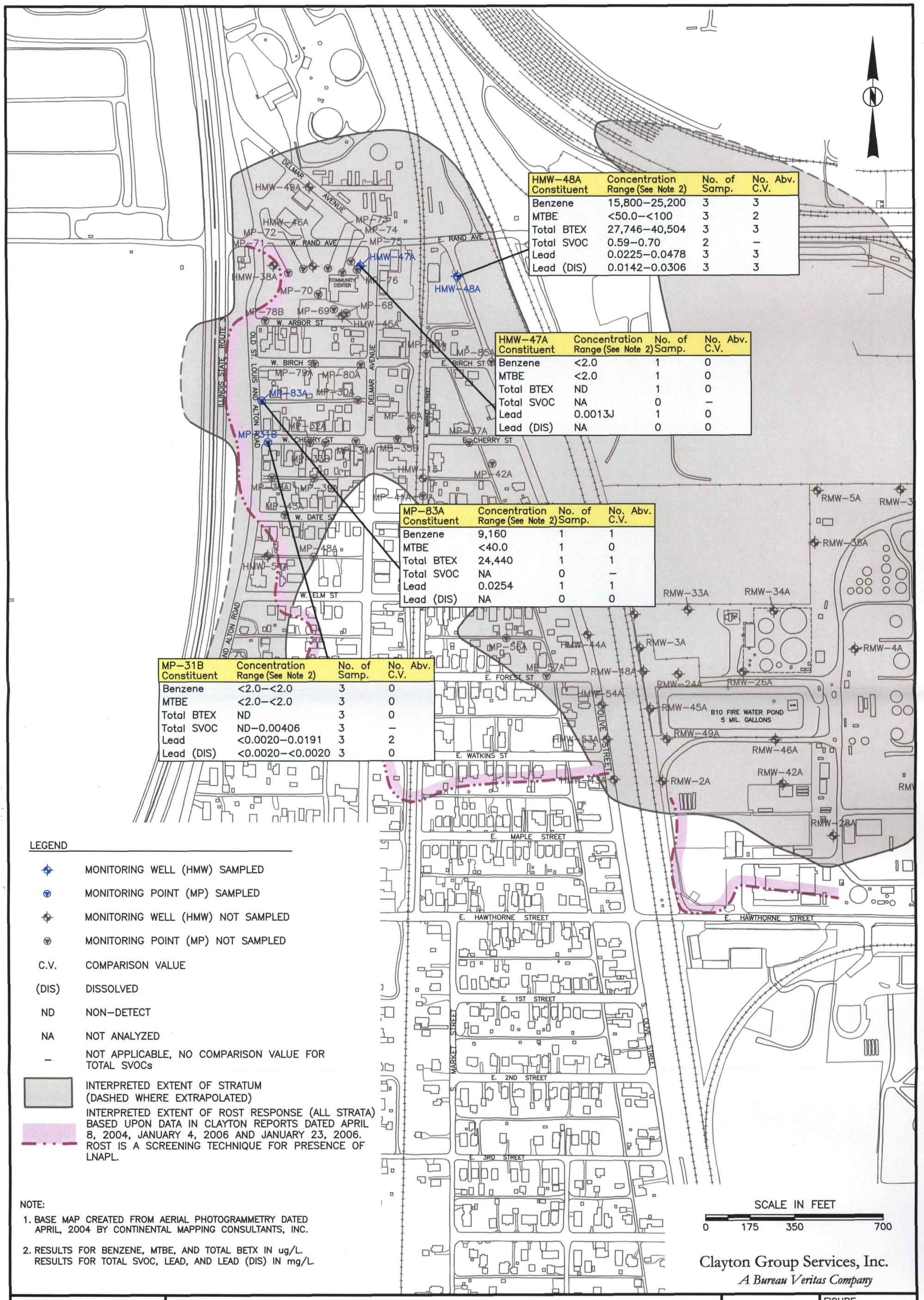
PERIOD: From 01/12/2006 thru 10/12/2006 - Inclusive
SAMPLE TYPE Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	COMPARISON VALUE	MP-92D MP-92D/060407 04/07/2006 Primary	MP-92D MP-92D/060711 07/11/2006 Primary	MP-92D DUP-002/060711 07/11/2006 Duplicate 1	MP-92D MP-92D/061011 10/11/2006 Primary
Alkalinity (as CaCO3)	(mg/l)		646	630	628	622
Ammonia (as N)	(mg/l)		0.08JS	0.06J	0.04J	0.06J
Chloride	(mg/l)	200	61	70	69	66
COD	(mg/l)		18J	21	17J	8J
Cyanide	(mg/l)	0.2	<0.050	<0.007	<0.007	<0.007
Hardness (as CaCO3)	(mg/l)		810	860	860	790
Nitrate (as N)	(mg/l)	10	<0.050	<0.050	<0.050	0.010J
Nitrate Plus Nitrite (as N)	(mg/l)		<0.050	<0.050	<0.050	0.015J
Nitrite (as N)	(mg/l)		<0.010	<0.010	<0.010	<0.010
Phosphorus	(mg/l)		0.067SR	0.061	0.069	0.061
Phosphorus (Dissolved)	(mg/l)		0.016JSR	0.019J	0.019J	0.016J
Sulfate	(mg/l)	400	252	246	240	228
Sulfide	(mg/l)		0.04JS	0.03JS	<0.05	0.05S
Total dissolved solids (TDS)	(mg/l)		1130	1070	1070	1040
Total Organic Carbon	(mg/l)		3.1	3.1	2.9	2.4
Total suspended solids	(mg/l)		110	46	27	<6

See Notes at the End of Table

APPENDIX F

HISTORIC SUMMARY FIGURES OF GROUNDWATER ANALYTICAL RESULTS, DECEMBER 2003 THROUGH OCTOBER 2006



HMW-48A Constituent	Concentration Range (See Note 2)	No. of Samp.	No. Abv. C.V.
Benzene	15,800–25,200	3	3
MTBE	<50.0–<100	3	2
Total BTEX	27,746–40,504	3	3
Total SVOC	0.59–0.70	2	–
Lead	0.0225–0.0478	3	3
Lead (DIS)	0.0142–0.0306	3	3

HMW-47A Constituent	Concentration Range (See Note 2)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0	1	0
MTBE	<2.0	1	0
Total BTEX	ND	1	0
Total SVOC	NA	0	–
Lead	0.0013J	1	0
Lead (DIS)	NA	0	0

MP-83A Constituent	Concentration Range (See Note 2)	No. of Samp.	No. Abv. C.V.
Benzene	9,160	1	1
MTBE	<40.0	1	0
Total BTEX	24,440	1	1
Total SVOC	NA	0	–
Lead	0.0254	1	1
Lead (DIS)	NA	0	0

MP-31B Constituent	Concentration Range (See Note 2)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	3	0
MTBE	<2.0–<2.0	3	0
Total BTEX	ND	3	0
Total SVOC	ND–0.00406	3	–
Lead	<0.0020–0.0191	3	2
Lead (DIS)	<0.0020–<0.0020	3	0

LEGEND

- MONITORING WELL (HMW) SAMPLED
- MONITORING POINT (MP) SAMPLED
- MONITORING WELL (HMW) NOT SAMPLED
- MONITORING POINT (MP) NOT SAMPLED
- C.V. COMPARISON VALUE
- (DIS) DISSOLVED
- ND NON–DETECT
- NA NOT ANALYZED
- – NOT APPLICABLE, NO COMPARISON VALUE FOR TOTAL SVOCs
- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)
- INTERPRETED EXTENT OF ROST RESPONSE (ALL STRATA) BASED UPON DATA IN CLAYTON REPORTS DATED APRIL 8, 2004, JANUARY 4, 2006 AND JANUARY 23, 2006. ROST IS A SCREENING TECHNIQUE FOR PRESENCE OF LNAPL.

NOTE:

1. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
2. RESULTS FOR BENZENE, MTBE, AND TOTAL BETX IN ug/L. RESULTS FOR TOTAL SVOC, LEAD, AND LEAD (DIS) IN mg/L.

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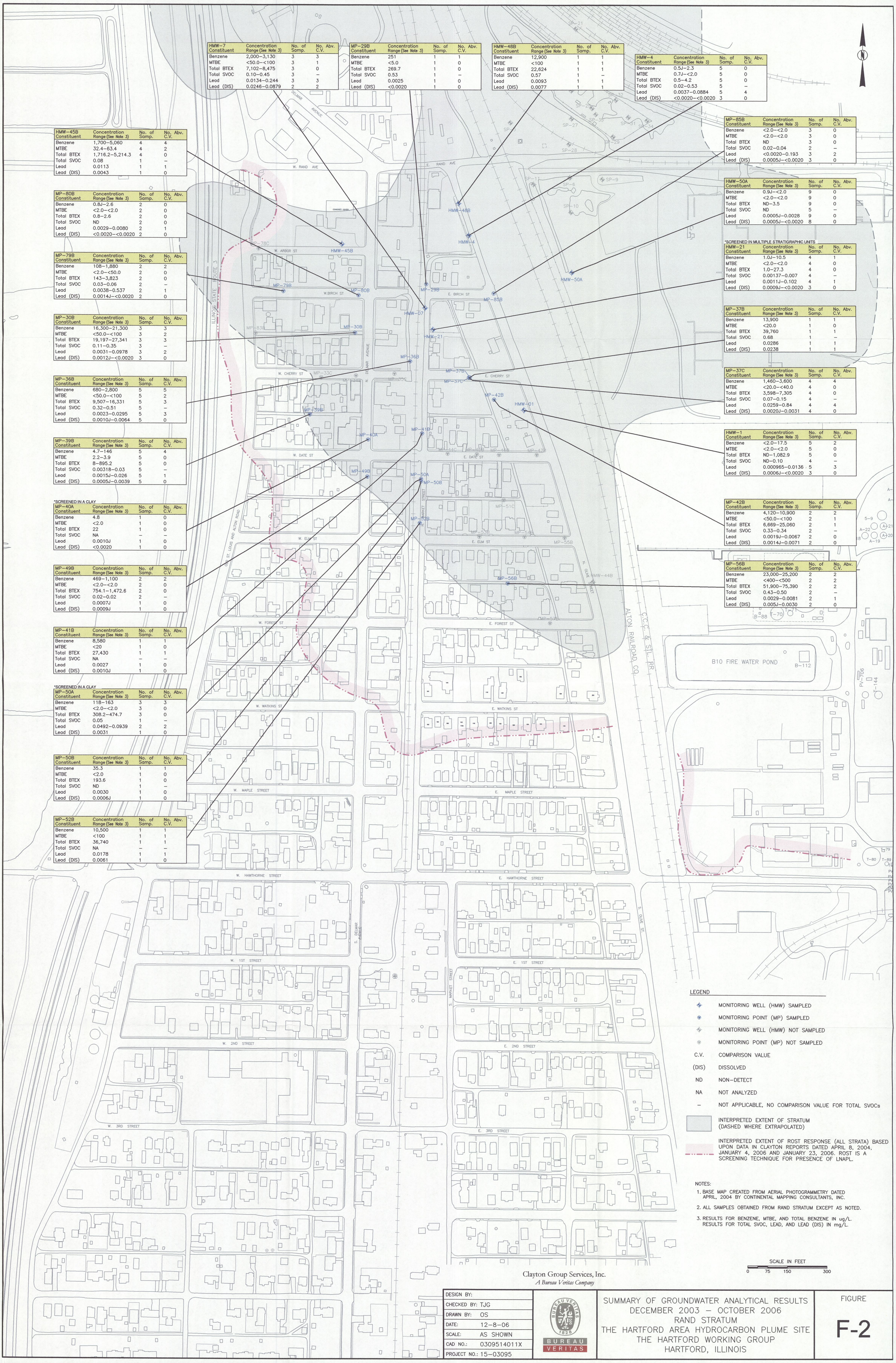
DATE	12–8–06
SCALE	AS SHOWN
CAD NO.	0309514011W
PRJ NO.	15–03095.14

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
DECEMBER 2003 – OCTOBER 2006
NORTH OLIVE STRATUM
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE
F–1



HMW-7 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	2,000–3,130	3	3
MTBE	<50.0–<100	3	1
Total BTEX	7,102–8,475	3	0
Total SVOC	0.10–0.45	3	–
Lead	0.0134–0.244	3	3
Lead (DIS)	0.0246–0.0879	2	2

MP-29B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	251	1	1
MTBE	<5.0	1	0
Total BTEX	269.7	1	0
Total SVOC	0.53	1	–
Lead	0.0025	1	0
Lead (DIS)	<0.0020	1	0

HMW-48B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	12,900	1	1
MTBE	<100	1	1
Total BTEX	22,624	1	1
Total SVOC	0.57	1	–
Lead	0.0093	1	1
Lead (DIS)	0.0077	1	1

HMW-4 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.5J–2.3	5	0
MTBE	0.7J–<2.0	5	0
Total BTEX	0.5–4.2	5	0
Total SVOC	0.02–0.53	5	–
Lead	0.0037–0.0884	5	4
Lead (DIS)	<0.0020–<0.0020	3	0

MP-85B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	3	0
MTBE	<2.0–<2.0	3	0
Total BTEX	ND	3	0
Total SVOC	0.02–0.04	2	–
Lead	<0.0020–0.193	3	2
Lead (DIS)	0.0005J–<0.0020	3	0

HMW-50A Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.9J–<2.0	9	0
MTBE	<2.0–<2.0	9	0
Total BTEX	ND–3.5	9	0
Total SVOC	ND	5	–
Lead	0.0005J–0.0028	9	0
Lead (DIS)	0.0005J–<0.0020	8	0

*SCREENED IN MULTIPLE STRATIGRAPHIC UNITS

HMW-21 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	1.0J–10.5	4	1
MTBE	<2.0–<2.0	4	0
Total BTEX	1.0–27.3	4	0
Total SVOC	0.00137–0.007	4	–
Lead	0.0011J–0.102	4	1
Lead (DIS)	0.0009J–<0.0020	3	0

MP-37B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	13,900	1	1
MTBE	<20.0	1	0
Total BTEX	39,760	1	1
Total SVOC	0.68	1	–
Lead	0.0286	1	1
Lead (DIS)	0.0238	1	1

MP-37C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	1,460–3,600	4	4
MTBE	<20.0–<40.0	4	0
Total BTEX	3,598–7,305	4	0
Total SVOC	0.07–0.15	4	–
Lead	0.0259–0.84	4	4
Lead (DIS)	0.0020J–0.0031	4	0

HMW-1 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–17.5	5	2
MTBE	<2.0–<2.0	5	0
Total BTEX	ND–1,082.9	5	0
Total SVOC	ND–0.10	4	–
Lead	0.000965–0.0136	5	3
Lead (DIS)	0.0006J–<0.0020	3	0

MP-42B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	4,120–10,900	2	2
MTBE	<50.0–<100	2	1
Total BTEX	6,669–25,060	2	1
Total SVOC	0.33–0.34	2	–
Lead	0.0019J–0.0067	2	0
Lead (DIS)	0.0014J–0.0071	2	0

MP-56B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	23,000–25,200	2	2
MTBE	<400–<500	2	2
Total BTEX	51,900–75,390	2	2
Total SVOC	0.43–0.50	2	–
Lead	0.0029–0.0081	2	1
Lead (DIS)	0.005J–0.0030	2	0

HMW-45B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	1,700–5,060	4	4
MTBE	32.4–63.4	4	2
Total BTEX	1,716.2–5,214.3	4	0
Total SVOC	0.08	1	–
Lead	0.0113	1	1
Lead (DIS)	0.0043	1	0

MP-80B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.8J–2.6	2	0
MTBE	<2.0–<2.0	2	0
Total BTEX	0.8–2.6	2	0
Total SVOC	ND	2	0
Lead	0.0029–0.0080	2	1
Lead (DIS)	<0.0020–<0.0020	2	0

MP-79B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	108–1,880	2	2
MTBE	<2.0–<50.0	2	0
Total BTEX	143–3,823	2	0
Total SVOC	0.03–0.06	2	–
Lead	0.0038–0.537	2	1
Lead (DIS)	0.0014J–<0.0020	2	0

MP-30B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	16,300–21,300	3	3
MTBE	<50.0–<100	3	2
Total BTEX	19,197–27,341	3	3
Total SVOC	0.11–0.35	3	–
Lead	0.0031–0.0978	3	2
Lead (DIS)	0.0012J–<0.0020	3	0

MP-36B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	680–2,800	5	5
MTBE	<50.0–<100	5	2
Total BTEX	9,507–16,331	5	3
Total SVOC	0.32–0.51	5	–
Lead	0.0023–0.0295	5	3
Lead (DIS)	0.0010J–0.0064	5	0

MP-39B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	4.7–146	5	4
MTBE	2.2–3.9	5	0
Total BTEX	8–895.2	5	0
Total SVOC	0.00318–0.03	5	–
Lead	0.0015J–0.026	5	1
Lead (DIS)	0.0005J–0.0039	5	0

*SCREENED IN A CLAY

MP-40A Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	4.8	1	0
MTBE	<2.0	1	0
Total BTEX	22	1	0
Total SVOC	NA	–	–
Lead	0.0010J	1	0
Lead (DIS)	<0.0020	1	0

MP-49B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	469–1,100	2	2
MTBE	<2.0–<2.0	2	0
Total BTEX	754.1–1,472.6	2	0
Total SVOC	0.02–0.02	2	–
Lead	0.0007J	1	0
Lead (DIS)	0.0009J	1	0

MP-41B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	8,580	1	1
MTBE	<20	1	0
Total BTEX	27,430	1	1
Total SVOC	NA	–	–
Lead	0.0027	1	0
Lead (DIS)	0.0010J	1	0

*SCREENED IN A CLAY

MP-50A Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	118–163	3	3
MTBE	<2.0–<2.0	3	0
Total BTEX	308.2–474.7	3	0
Total SVOC	0.05	1	–
Lead	0.0492–0.0939	2	2
Lead (DIS)	0.0031	1	0

MP-50B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	35.3	1	1
MTBE	<2.0	1	0
Total BTEX	193.6	1	0
Total SVOC	ND	1	–
Lead	0.0030	1	0
Lead (DIS)	0.0006J	1	0

MP-52B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	10,500	1	1
MTBE	<100	1	1
Total BTEX	36,740	1	1
Total SVOC	NA	–	–
Lead	0.0178	1	1
Lead (DIS)	0.0061	1	0

LEGEND

- MONITORING WELL (HMW) SAMPLED
- MONITORING POINT (MP) SAMPLED
- MONITORING WELL (HMW) NOT SAMPLED
- MONITORING POINT (MP) NOT SAMPLED
- C.V. COMPARISON VALUE
- (DIS) DISSOLVED
- ND NON–DETECT
- NA NOT ANALYZED
- – NOT APPLICABLE, NO COMPARISON VALUE FOR TOTAL SVOCs
- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)
- INTERPRETED EXTENT OF ROST RESPONSE (ALL STRATA) BASED UPON DATA IN CLAYTON REPORTS DATED APRIL 8, 2004, JANUARY 4, 2006 AND JANUARY 23, 2006. ROST IS A SCREENING TECHNIQUE FOR PRESENCE OF LNAPL.

NOTES:

1. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
2. ALL SAMPLES OBTAINED FROM RAND STRATUM EXCEPT AS NOTED.
3. RESULTS FOR BENZENE, MTBE, AND TOTAL BENZENE IN ug/L. RESULTS FOR TOTAL SVOC, LEAD, AND LEAD (DIS) IN mg/L.

SCALE IN FEET
0 75 150 300

Clayton Group Services, Inc.
A Bureau Veritas Company

DESIGN BY:	
CHECKED BY:	TJG
DRAWN BY:	OS
DATE:	12–8–06
SCALE:	AS SHOWN
CAD NO.:	0309514011X
PROJECT NO.:	15–03095

BUREAU VERITAS

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
DECEMBER 2003 – OCTOBER 2006
RAND STRATUM
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

FIGURE
F-2

HMW–49C Constituent	Concentration Range(See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	245–942	9	9
MTBE	<100–818	9	9
Total BTEX	8,154–19,997	9	5
Total SVOC	0.14–0.28	5	–
Lead	0.0036–0.0266	9	8
Lead (DIS)	0.0024–0.0162	7	4

*SCREENED IN PERMEABLE LENSE IN B CLAY

HMW–49B Constituent	Concentration Range(See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	83.8–143	6	6
MTBE	<2.0–<50.0	6	0
Total BTEX	695.4–1,756.6	6	0
Total SVOC	0.22–0.24	3	–
Lead	0.0038–0.0093	6	1
Lead (DIS)	0.0022–0.0049	3	0

*SCREENED IN PERMEABLE LENSE IN B CLAY

HMW–46B Constituent	Concentration Range(See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	3,880–6,390	4	4
MTBE	<2.0–<20.0	4	0
Total BTEX	3,930.6–6,510.7	4	0
Total SVOC	NA	–	–
Lead	0.0029–0.0149	4	1
Lead (DIS)	0.0018J–0.0086	3	1

*SCREENED IN B CLAY

HMW–47B Constituent	Concentration Range(See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	5	0
MTBE	<2.0–<2.0	5	0
Total BTEX	ND	5	0
Total SVOC	NA	–	–
Lead	0.0007J–0.0076	5	1
Lead (DIS)	0.0011J–0.0030	5	0

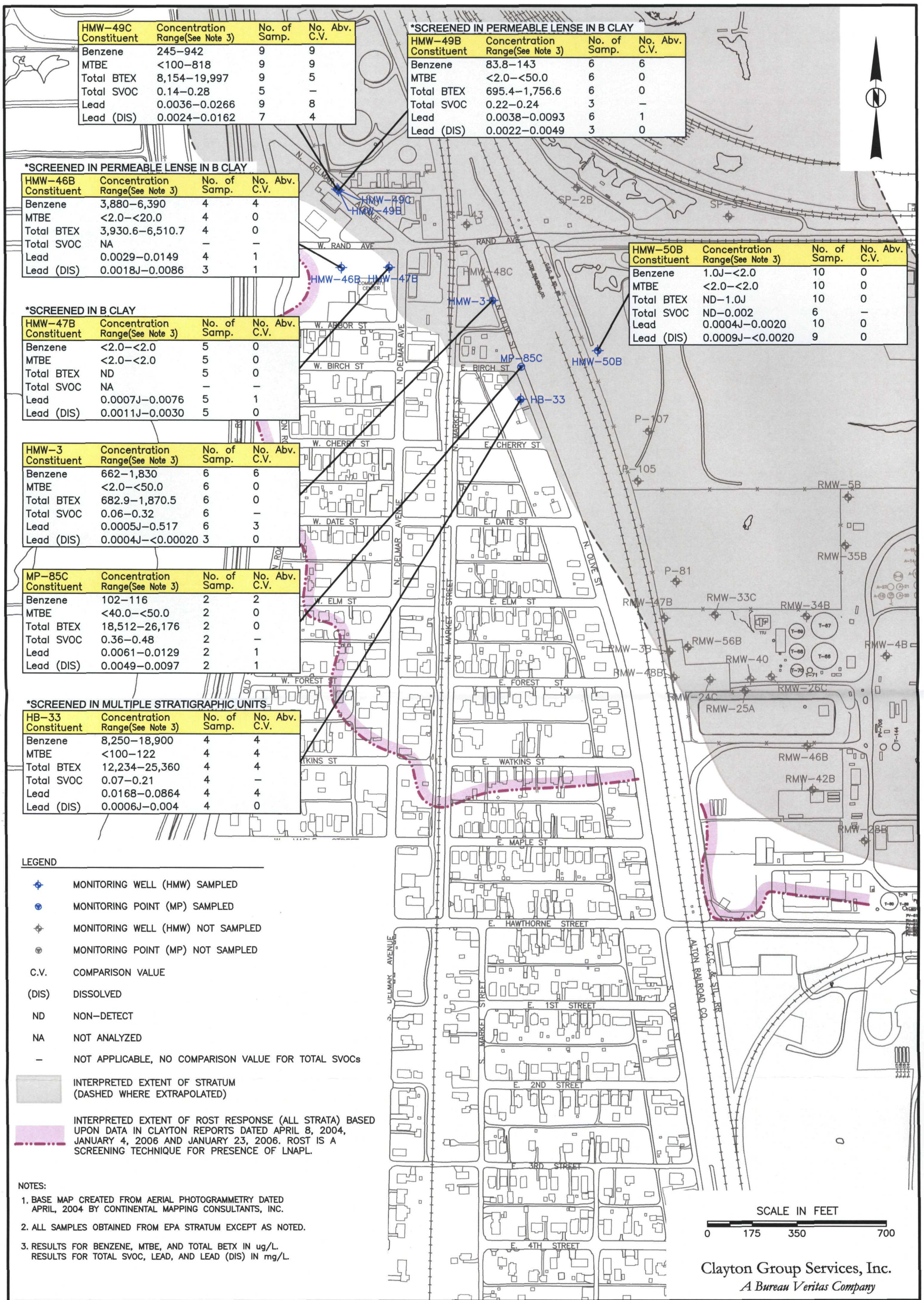
HMW–3 Constituent	Concentration Range(See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	662–1,830	6	6
MTBE	<2.0–<50.0	6	0
Total BTEX	682.9–1,870.5	6	0
Total SVOC	0.06–0.32	6	–
Lead	0.0005J–0.517	6	3
Lead (DIS)	0.0004J–<0.00020	3	0

MP–85C Constituent	Concentration Range(See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	102–116	2	2
MTBE	<40.0–<50.0	2	0
Total BTEX	18,512–26,176	2	0
Total SVOC	0.36–0.48	2	–
Lead	0.0061–0.0129	2	1
Lead (DIS)	0.0049–0.0097	2	1

*SCREENED IN MULTIPLE STRATIGRAPHIC UNITS

HB–33 Constituent	Concentration Range(See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	8,250–18,900	4	4
MTBE	<100–122	4	4
Total BTEX	12,234–25,360	4	4
Total SVOC	0.07–0.21	4	–
Lead	0.0168–0.0864	4	4
Lead (DIS)	0.0006J–0.004	4	0

HMW–50B Constituent	Concentration Range(See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	1.0J–<2.0	10	0
MTBE	<2.0–<2.0	10	0
Total BTEX	ND–1.0J	10	0
Total SVOC	ND–0.002	6	–
Lead	0.0004J–0.0020	10	0
Lead (DIS)	0.0009J–<0.0020	9	0



LEGEND

- MONITORING WELL (HMW) SAMPLED
- MONITORING POINT (MP) SAMPLED
- MONITORING WELL (HMW) NOT SAMPLED
- MONITORING POINT (MP) NOT SAMPLED
- C.V. COMPARISON VALUE
- (DIS) DISSOLVED
- ND NON–DETECT
- NA NOT ANALYZED
- – NOT APPLICABLE, NO COMPARISON VALUE FOR TOTAL SVOCs
- INTERPRETED EXTENT OF STRATUM (DASHED WHERE EXTRAPOLATED)
- INTERPRETED EXTENT OF ROST RESPONSE (ALL STRATA) BASED UPON DATA IN CLAYTON REPORTS DATED APRIL 8, 2004, JANUARY 4, 2006 AND JANUARY 23, 2006. ROST IS A SCREENING TECHNIQUE FOR PRESENCE OF LNAPL.

NOTES:

1. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
2. ALL SAMPLES OBTAINED FROM EPA STRATUM EXCEPT AS NOTED.
3. RESULTS FOR BENZENE, MTBE, AND TOTAL BETX IN ug/L. RESULTS FOR TOTAL SVOC, LEAD, AND LEAD (DIS) IN mg/L.

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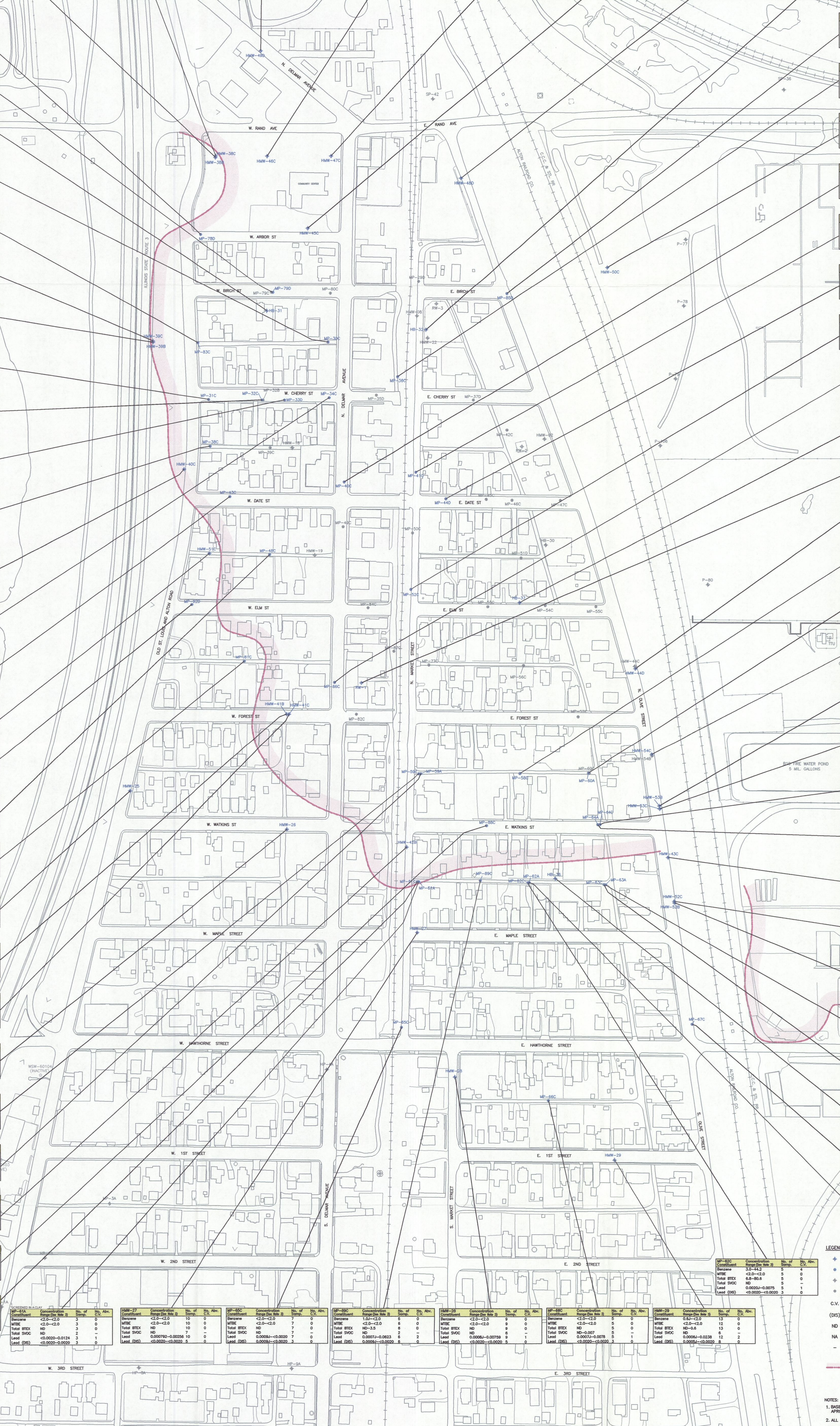
SCALE	AS SHOWN
CAD NO.	0309514011V
PRJ NO.	15–03095.14

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
DECEMBER 2003 – OCTOBER 2006
EPA STRATUM
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

BUREAU VERITAS

FIGURE
F–3



HMW-38B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	7550	1	1
MTBE	<2.0	1	0
Total BTEX	10631.9	1	0
Total SVOC	NA	–	–
Lead	NA	–	–
Lead (DIS)	NA	–	–

HMW-38C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	193–7190	6	6
MTBE	6.3–<50.0	6	0
Total BTEX	382.6–12067	6	1
Total SVOC	0.01–0.20	5	–
Lead	0.0011J–0.0118	6	2
Lead (DIS)	0.0007J–0.0037	4	0

HMW-49D Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	108–620	13	13
MTBE	32J–60.7	13	0
Total BTEX	128–816	13	0
Total SVOC	0.0022–0.04	6	–
Lead	0.0018J–0.0086	13	1
Lead (DIS)	0.0006J–<0.0020	10	0

HMW-46C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	9290	1	1
MTBE	32J	1	0
Total BTEX	14554	1	1
Total SVOC	0.24	1	–
Lead	0.0120	1	1
Lead (DIS)	NA	–	–

HMW-47C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	8420	1	1
MTBE	83.5	1	1
Total BTEX	16306	1	1
Total SVOC	0.27	1	–
Lead	0.0075	1	1
Lead (DIS)	NA	–	–

HMW-45C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	16600	1	1
MTBE	<50.0	1	0
Total BTEX	18406	1	1
Total SVOC	0.15	1	–
Lead	0.0290	1	1
Lead (DIS)	0.0148	1	1

HMW-48D Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	3800–8750	4	4
MTBE	1.1J–<10.0	4	0
Total BTEX	3827.3–8823.1	4	0
Total SVOC	0.04–0.07	3	–
Lead	0.0009J–0.0036	4	0
Lead (DIS)	0.0005J–<0.0020	3	0

HB-32 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	312–1330	5	5
MTBE	<2.0–<2.0	5	0
Total BTEX	325.6–1392.1	5	0
Total SVOC	ND–0.01	5	–
Lead	0.0010J–0.0039	5	0
Lead (DIS)	0.0017J–0.0031	4	0

MP-78D Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	15,400–20,300	3	3
MTBE	<100–<1,000	3	3
Total BTEX	48,970–63,350	3	3
Total SVOC	0.54–0.61	2	–
Lead	0.0023–0.0066	3	0
Lead (DIS)	0.0015J–0.0060	3	0

MP-79D Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	12,900–18,800	2	2
MTBE	<100–<100	2	2
Total BTEX	15,150–26,020	2	2
Total SVOC	0.10–0.14	2	–
Lead	0.0035–0.0038	2	0
Lead (DIS)	0.0010J–<0.0020	2	0

HB-31 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	23700–25400	3	3
MTBE	<50.0–<400	3	2
Total BTEX	51080–57570	3	3
Total SVOC	0.60–0.67	3	–
Lead	0.0836–0.204	3	3
Lead (DIS)	0.0050–0.0163	3	2

MP-30C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	2640–11900	3	3
MTBE	8.2J–<50.0	3	0
Total BTEX	3818.9–17046	3	2
Total SVOC	0.11–0.22	3	–
Lead	0.0036–0.0239	3	2
Lead (DIS)	0.0016J–0.0045	2	0

MP-83C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	3,790–9,310	3	3
MTBE	<100–<400	3	3
Total BTEX	19,190–42,930	3	3
Total SVOC	0.72–0.73	2	–
Lead	0.0034–0.0159	3	1
Lead (DIS)	0.0020J–0.0040	3	0

HMW-39C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.6J–<2.0	9	0
MTBE	<2.0–<2.0	9	0
Total BTEX	ND–0.6	9	0
Total SVOC	ND	5	–
Lead	0.0005J–0.0021	9	0
Lead (DIS)	0.0005J–<0.0020	7	0

HMW-39B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	10	0
MTBE	<2.0–<2.0	10	0
Total BTEX	ND	10	0
Total SVOC	ND	6	–
Lead	0.0005J–0.0183	10	3
Lead (DIS)	0.0004J–<0.0020	9	0

MP-31C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	5,210–12,300	3	3
MTBE	<50.0–<100	3	2
Total BTEX	12,342–30,370	3	3
Total SVOC	0.12–0.24	3	–
Lead	0.0040–0.0309	3	2
Lead (DIS)	0.0019J–0.0023	3	0

MP-32C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	2,710–17,200	4	4
MTBE	<50.0–<200	4	3
Total BTEX	5,387–30,810	4	3
Total SVOC	0.13–0.91	4	–
Lead	0.0072–0.0193	4	3
Lead (DIS)	0.0010J–0.0037	3	0

MP-33D Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	4980–25600	3	3
MTBE	<50.0–<200	3	2
Total BTEX	9894–61840	3	2
Total SVOC	0.20–1.24	3	
Lead	0.0106–0.0654	3	3
Lead (DIS)	0.0016J–0.0094	3	1

MP-38C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	37,700–38,600	2	2
MTBE	<50.0–<100	2	1
Total BTEX	79,130–80,350	2	2
Total SVOC	0.49–0.57	2	–
Lead	0.0062–0.0097	2	1
Lead (DIS)	NA	–	–

HMW-40C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.6J–4.0	11	0
MTBE	<2.0–<2.0	11	0
Total BTEX	ND–19.2	11	0
Total SVOC	ND	5	–
Lead	0.0004J–0.0049	11	0
Lead (DIS)	0.0013J–<0.0020	9	0

MP-34C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	34000	1	1
MTBE	<50.0	1	0
Total BTEX	85080	1	1
Total SVOC	0.96	1	–
Lead	0.0149	1	1
Lead (DIS)	NA	–	–

MP-43C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	21,200–31,200	4	4
MTBE	<50.0–<400	4	3
Total BTEX	51,320–73,430	4	4
Total SVOC	1.13–4.74	4	–
Lead	0.0134–0.0188	4	4
Lead (DIS)	0.0020–0.0058	3	0

HMW-51C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.5J–<2.0	6	0
MTBE	<2.0–<2.0	6	0
Total BTEX	ND–11.4	6	0
Total SVOC	ND–0.00355	6	–
Lead	0.0085–0.0178	6	6
Lead (DIS)	0.0009J–<0.0020	4	0

MP-92D Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	4	0
MTBE	<2.0–<2.0	4	0
Total BTEX	ND	4	0
Total SVOC	–	–	–
Lead	0.0008J–0.0031	4	0
Lead (DIS)	<0.0020–<0.0020	4	0

MP-48C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	10,300–21,000	2	2
MTBE	<200–<200	2	2
Total BTEX	32,960–41,800	2	2
Total SVOC	0.63–0.92	2	–
Lead	0.0227–0.0245	2	2
Lead (DIS)	0.0029–0.0055	2	0

MP-81C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	7	0
MTBE	<2.0–<2.0	7	0
Total BTEX	ND	7	0
Total SVOC	ND	2	–
Lead	0.0004J–0.0023	7	0
Lead (DIS)	<0.0020–<0.0020	7	0

HMW-25 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.5J–<5.0	14	0
MTBE	<2.0–<2.0	11	0
Total BTEX	ND–7.4	14	0
Total SVOC	ND	8	–
Lead	0.0005J–0.0053	11	0
Lead (DIS)	0.0010J–<0.0020	6	0

HMW-41B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	3290–5060	5	5
MTBE	<40.0–<100	5	1
Total BTEX	7944–12866	5	1
Total SVOC	0.08–0.20	5	–
Lead	0.0013–0.0049	5	0
Lead (DIS)	0.0007J–<0.0020	4	0

HMW-41C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.9J–<2.0	7	0
MTBE	<2.0–<2.0	7	0
Total BTEX	ND–7.7	7	0
Total SVOC	ND	7	–
Lead	0.0016J–0.0033	7	0
Lead (DIS)	<0.0020–<0.0020	4	0

HMW-26 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	11	0
MTBE	0.6J–<2.0	11	0
Total BTEX	ND	11	0
Total SVOC	ND	10	–
Lead	0.0006J–0.0159	11	1
Lead (DIS)	<0.0020–<0.0020	6	0

MP-59C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	24,200–40,300	4	4
MTBE	<100–<500	4	4
Total BTEX	70,210–103,230	4	4
Total SVOC	0.61–0.75	4	–
Lead	0.0072–0.0219	4	3
Lead (DIS)	0.0059–0.0112	3	2

*SCREENED IN A CLAY

MP-59A Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.5J–<2.0	5	0
MTBE	<2.0–<2.0	5	0
Total BTEX	2.0J–ND	5	0
Total SVOC	ND	1	–
Lead	0.0036–0.0641	5	3
Lead (DIS)	0.0006J–0.0031	4	0

HMW-42B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	28.0–220	4	4
MTBE	<20.0–<50.0	4	0
Total BTEX	5,588–10,818.2	4	0
Total SVOC	0.09–0.19	4	–
Lead	0.0064–0.0143	4	3
Lead (DIS)	0.0013–0.0043	3	0

MP-88C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	28700	1	1
MTBE	<50.0	1	0
Total BTEX	76050	1	1
Total SVOC	0.89	1	–
Lead	0.0166	1	1
Lead (DIS)	0.0074	1	0

MP-61C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	1.3J–<2.0	5	0
MTBE	<2.0–<2.0	5	0
Total BTEX	ND–5.7	5	0
Total SVOC	ND	5	–
Lead	<0.0020–0.0045	5	0
Lead (DIS)	<0.0005J–<0.0020	4	0

MP-85D Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	3,970–10,100	4	4
MTBE	69.2–146	4	3
Total BTEX	4,007–10,196.7	4	0
Total SVOC	0.02–0.02	3	–
Lead	<0.0020–0.0094	4	1
Lead (DIS)	<0.0020–<0.0020	4	0

MP-36C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	29,700	1	1
MTBE	<20.0	1	0
Total BTEX	61,860	1	1
Total SVOC	0.66	1	–
Lead	0.0097	1	1
Lead (DIS)	0.0051	1	0

HMW-50C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	42.2–267	11	11
MTBE	0.6J–5.9	11	0
Total BTEX	55.8–348.7	11	0
Total SVOC	0.00312–0.015	7	–
Lead	0.0006J–<0.0020	11	0
Lead (DIS)	<0.0020–<0.0020	7	0

MP-40C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	1,190–16,000	3	3
MTBE	29–<200	3	2
Total BTEX	3,184–40,030	3	2
Total SVOC	0.09–0.44	3	–
Lead	0.0079–0.0123	3	3
Lead (DIS)	0.0013J–0.0059	3	0

MP-41C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	16,200–25,900	5	5
MTBE	<50.0–<400	5	4
Total BTEX	42,290–65,520	5	5
Total SVOC	0.49–0.76	5	–
Lead	0.0132–0.0610	5	5
Lead (DIS)	0.0028–0.0061	4	0

MP-44D Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	15,500–25,900	4	4
MTBE	<50.0–<400	4	3
Total BTEX	37,340–66,000	4	4
Total SVOC	0.80–0.88	4	–
Lead	0.0119–0.0499	4	4
Lead (DIS)	0.0018J–0.0044	3	0

MP-52C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	33,200	1	1
MTBE	<50.0	1	0
Total BTEX	82,850	1	1
Total SVOC	0.2	1	–
Lead	0.0379	1	1
Lead (DIS)	0.0174	1	1

MP-86C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	29,200–34,300	2	2
MTBE	<100–<400	2	2
Total BTEX	68,830–77,420	2	2
Total SVOC	0.67–0.85	2	–
Lead	0.0159–0.0233	2	2
Lead (DIS)	0.0034–0.0108	2	1

HB-37 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	30500–32800	3	3
MTBE	<100–<500	3	3
Total BTEX	67770–76930	3	3
Total SVOC	1.50–2.06	3	–
Lead	0.0219–0.0992	3	3
Lead (DIS)	0.0141–0.0228	3	3

RW-1 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	2790–7860	8	8
MTBE	<50.0–<1000	8	3
Total BTEX	7771–20979	8	2
Total SVOC	0.26–0.50	8	–
Lead	0.0156–0.0851	8	8
Lead (DIS)	<0.0020–0.0202	4	2

HMW-44D Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	168–2,220	2	2
MTBE	<2.0–<2.0	2	0
Total BTEX	217.4–2,252.6	2	0
Total SVOC	0.00551	1	–
Lead	<0.0020–0.0021	2	0
Lead (DIS)	<0.0020–<0.0020	2	0

MP-58C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	15,200–38,500	5	5
MTBE	<100–<1,000	5	5
Total BTEX	33,630–82,820	5	5
Total SVOC	0.78–1.04	5	–
Lead	0.0130–0.0226	5	5
Lead (DIS)	0.0039–0.0074	4	0

*SCREENED IN A CLAY

MP-60A Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.9J–3.8	3	0
MTBE	<2.0–<2.0	3	0
Total BTEX	0.9–3.8	3	0
Total SVOC	ND	2	–
Lead	0.006J–0.0136	2	1
Lead (DIS)	<0.0020–<0.0020	2	0

HMW-54C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–1,760	2	1
MTBE	<2.0–<50.0	2	0
Total BTEX	ND–2,314	2	0
Total SVOC	0.00825	1	–
Lead	0.0007J–0.0051	2	0
Lead (DIS)	0.0010J–<0.0020	2	0

HMW-53B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	18600	1	1
MTBE	<50.0	1	0
Total BTEX	44160	1	1
Total SVOC	0.36	1	–
Lead	0.0135	1	1
Lead (DIS)	0.0046	1	0

HMW-53C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	207–299	2	2
MTBE	<2.0–<2.0	2	0
Total BTEX	226.1–1,001.2	2	0
Total SVOC	0.01	1	–
Lead	0.0013J–0.0016J	2	0
Lead (DIS)	<0.0020–<0.0020	2	0

MP-64C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	13,000–34,200	3	3
MTBE	<50.0–<200	3	2
Total BTEX	39,630–86,650	3	3
Total SVOC	0.38–0.54	3	–
Lead	0.0094–0.0123	3	3
Lead (DIS)	0.0079–0.0080	2	2

*SCREENED IN A CLAY

MP-64A Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	1,020–3,800	2	2
MTBE	<2.0–<2.0	2	0
Total BTEX	1,414.3–5,773.4	2	0
Total SVOC	NA	–	–
Lead	0.0040	1	0
Lead (DIS)	NA	–	–

HMW-43C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	3.0–4630	8	6
MTBE	<2.0–<20.0	8	0
Total BTEX	3.0–10234	8	0
Total SVOC	ND–0.07	6	–
Lead	0.0012J–0.0081	8	1
Lead (DIS)	<0.0020–<0.0020	6	0

HMW-52C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–11.8	9	1
MTBE	<2.0–<2.0	9	0
Total BTEX	ND–11.8	9	0
Total SVOC	ND	5	–
Lead	0.0068–0.0330	9	8
Lead (DIS)	0.0009J–0.0029	7	0

HMW-52B Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0	1	0
MTBE	<2.0	1	0
Total BTEX	ND	1	0
Total SVOC	ND	1	–
Lead	0.0122	1	1
Lead (DIS)	<0.0020	1	0

*SCREENED IN A CLAY

MP-63A Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	2	0
MTBE	<2.0–<2.0	2	0
Total BTEX	ND	2	0
Total SVOC	ND	1	–
Lead	0.0015J–0.0330	2	1
Lead (DIS)	0.0014J–<0.0020	2	0

MP-63C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	90.9–193	5	5
MTBE	<2.0–<2.0	5	0
Total BTEX	191.3–315.2	5	0
Total SVOC	ND–0.003	5	–
Lead	0.0007J–0.0022	5	0
Lead (DIS)	0.0005J–<0.0020	3	0

HB-38 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	137–261	4	4
MTBE	<2.0–<10	4	0
Total BTEX	270.1–376.5	4	0
Total SVOC	ND–0.005	4	–
Lead	0.0043–0.0320	4	3
Lead (DIS)	<0.0020–<0.0020	4	0

MP-67C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	4	0
MTBE	<2.0–<2.0	4	0
Total BTEX	ND	4	0
Total SVOC	ND	4	–
Lead	0.0014J–0.0047	4	0
Lead (DIS)	0.0006J–<0.0020	3	0

*SCREENED IN A CLAY

MP-62A Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	3	0
MTBE	<2.0–<2.0	3	0
Total BTEX	ND	3	0
Total SVOC	ND	3	–
Lead	<0.0020–0.010	3	1
Lead (DIS)	<0.0020–<0.0020	3	0

*SCREENED IN A CLAY

MP-61A Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	3	0
MTBE	<2.0–<2.0	3	0
Total BTEX	ND	3	0
Total SVOC	ND	2	–
Lead	<0.0020–0.0124	3	1
Lead (DIS)	<0.0020–0.0020	3	0

HMW-27 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	10	0
MTBE	<2.0–<2.0	10	0
Total BTEX	ND	10	0
Total SVOC	ND	7	–
Lead	0.000792–0.00256	10	0
Lead (DIS)	<0.0020–<0.0020	5	0

MP-65C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	7	0
MTBE	<2.0–<2.0	7	0
Total BTEX	ND	7	0
Total SVOC	ND	7	–
Lead	0.0009J–<0.0020	7	0
Lead (DIS)	0.0009J–<0.0020	3	0

MP-89C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	1.0J–<2.0	6	0
MTBE	<2.0–<2.0	6	0
Total BTEX	ND–3.5	6	0
Total SVOC	ND	2	–
Lead	0.0007J–0.0623	6	2
Lead (DIS)	0.0009J–<0.0020	6	0

HMW-28 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	9	0
MTBE	<2.0–<2.0	9	0
Total BTEX	ND	9	0
Total SVOC	ND	6	–
Lead	0.0008J–0.00759	9	1
Lead (DIS)	<0.0020–<0.0020	5	0

MP-66C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	<2.0–<2.0	5	0
MTBE	<2.0–<2.0	5	0
Total BTEX	ND	5	0
Total SVOC	ND–0.007	5	–
Lead	0.0007J–0.0078	5	1
Lead (DIS)	<0.0020–<0.0020	3	0

HMW-29 Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	0.6J–<2.0	13	0
MTBE	<2.0–<2.0	12	0
Total BTEX	ND–0.6	13	0
Total SVOC	ND	6	–
Lead	0.0006J–0.0238	12	2
Lead (DIS)	0.0005J–<0.0020	8	0

MP-62C Constituent	Concentration Range (See Note 3)	No. of Samp.	No. Abv. C.V.
Benzene	3.0–44.2	5	4
MTBE	<2.0–<2.0	5	0
Total BTEX	6.8–80.6	5	0
Total SVOC	ND	5	–
Lead	0.0020J–0.0075	5	1
Lead (DIS)	<0.0020–<0.0020	3	0

LEGEND

- MONITORING WELL (HMW) SAMPLED
- MONITORING POINT (MP) SAMPLED
- MONITORING WELL (HMW) NOT SAMPLED
- MONITORING POINT (MP) NOT SAMPLED

C.V. COMPARISON VALUE
(DIS) DISSOLVED
ND NON–DETECT
NA NOT ANALYZED
– NOT APPLICABLE, NO COMPARISON VALUE FOR TOTAL SVOCs

INTERPRETED EXTENT OF ROST RESPONSE (ALL STRATA) BASED UPON DATA IN CLAYTON REPORTS DATED APRIL 8, 2004, JANUARY 4, 2006 AND JANUARY 23, 2006. ROST IS A SCREENING TECHNIQUE FOR PRESENCE OF LNAPL.

NOTES:

1. BASE MAP CREATED FROM AERIAL PHOTOGRAMMETRY DATED APRIL, 2004 BY CONTINENTAL MAPPING CONSULTANTS, INC.
2. ALL SAMPLES OBTAINED FROM MAIN SAND STRATUM EXCEPT AS NOTED.
3. RESULTS FOR BENZENE, MTBE, AND TOTAL BETX IN ug/L. RESULTS FOR TOTAL SVOC, LEAD, AND LEAD (DIS) IN mg/L.

SCALE IN FEET
0 50 100 200

Clayton Group Services, Inc.
A Bureau Veritas Company

DESIGN BY:	
CHECKED BY:	TJG
DRAWN BY:	OS
DATE:	12-8-06
SCALE:	AS SHOWN
CAD NO.:	0309514011Y
PROJECT NO.:	15-03095

BUREAU VERITAS 1828

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
DECEMBER 2003 – OCTOBER 2006
MAIN SAND
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS

FIGURE
F-4