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VIA FEDERAL EXPRESS

October 18, 2013

Mr. JD Dotchin
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
Bureau of Corrective Actions
2030 East Flamingo Road
Suite 230
Las Vegas, NV 89119

Re: 2013 Comprehensive Groundwater Data Report
Former Montrose and Stauffer Facilities and Current Olin Facility, Henderson, Nevada

Dear Mr. Dotchin:

Enclosed please find a copy of the final documentation of the above referenced report for your use.

If you have any questions, please feel free to contact me.

HARGIS + ASSOCIATES, INC.

Brian R. Waggle, RG
Senior Hydrogeologist

BRW/keh

Enclosure

cc: BMI Compliance Coordinated NDEP – Las Vegas
NDEP c/o McGinley & Associates – Las Vegas
NDEP c/o McGinley & Associates – Reno
elist

Other Offices:
Tucson, AZ
San Diego, CA

OCTOBER 18, 2013

2013 COMPREHENSIVE GROUNDWATER DATA EVALUATION REPORT

FORMER MONTROSE AND STAUFFER FACILITIES AND CURRENT OLIN FACILITY

HENDERSON, NEVADA

HARGIS + ASSOCIATES, INC.
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JURAT

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances.

For the services provided and attested to with this Jurat including the compilation of data and information collected by other firms pertaining to this comprehensive groundwater data report.

HARGIS + ASSOCIATES, INC.

Brian R. Waggle, RG, CEM
Senior Hydrogeologist
Nevada Certified Environmental Manager
No. EM - 1903 (Expires 05/27/14)

Date Signed: October 18, 2013

2013 COMPREHENSIVE GROUNDWATER DATA EVALUATION REPORT

FORMER MONTROSE AND STAUFFER FACILITIES AND CURRENT OLIN FACILITY

HENDERSON, NEVADA

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ACRONYMS AND ABBREVIATIONS

1,2-DCB	1,2-dichlorobenzene
1,3-DCB	1,3-dichlorobenzene
1,4-DCB	1,4-dichlorobenzene
BCL	Basic Comparison Level
BRC	Basic Remediation Company
BHC	Benzene Hexachloride
DAQEM	Clark County Department of Air Quality and Environmental Management
DNAPL	Dense Non-aqueous Phase Liquid
ft/ft	Feet Per Foot
gpm	Gallons Per Minute
GWTS	Groundwater Treatment System
H+A	Hargis + Associates, Inc.
LGAC	Liquid Granular Activated Carbon
MCL	Maximum Contaminant Level
µg/l	Micrograms Per liter
mg/l	Milligrams Per liter
MNA	Monitored Natural Attenuation
The Companies	Montrose, SMC/Syngenta, and Olin
Montrose	Montrose Chemical Corporation of California
NDEP	Nevada Division of Environmental Protection
NERT	Nevada Environmental Response Trust
Olin	Olin Corporation
OCPs	Organochlorine Pesticides

SOPs	Standard Operating Procedures
SMC	Stauffer Management Company, LLC
Syngenta	Syngenta Crop Protection, LLC
TDS	Total Dissolved Solids
TIN	Triangular Irregular Network
EPA	U.S. Environmental Protection Agency
UMCf	Upper Muddy Creek formation
VOCs	Volatile Organic Compounds

2013 COMPREHENSIVE GROUNDWATER DATA EVALUATION REPORT
FORMER MONTROSE AND STAUFFER FACILITIES AND CURRENT OLIN FACILITY
HENDERSON, NEVADA

1.0 INTRODUCTION

This report was compiled by Hargis + Associates, Inc. (H+A) on behalf of Montrose Chemical Corporation of California (Montrose), Stauffer Management Company, LLC/Syngenta Crop Protection, LLC (SMC/Syngenta), and Olin Corporation (Olin) (the Companies) to present 2013 annual groundwater monitoring data collected at the Companies' Henderson, Nevada study area (Figure 1). The Nevada Division of Environmental Protection (NDEP) provided comments to the 2012 report on January 22, 2013 (NDEP, 2013a). The Companies provided a response to these comments in a letter dated February 22, 2013 (H+A, 2013) (Appendix A). The 2013 report incorporates those comments and responses where appropriate.

All groundwater monitoring was performed in accordance with the 2013 groundwater monitoring plan prepared on behalf of the Companies. Exceptions or additions to the plan are noted in the text. The 2013 monitoring plan was submitted to the NDEP on September 28, 2012 (H+A, 2012b). NDEP found the 2013 plan acceptable and provided comments noted for the Administrative Record in a letter dated April 16, 2013 (NDEP, 2013b). Similar to previous years, data from the 2013 plan were supplemented by data from monitoring programs conducted by others in the BMI area.

All groundwater data were collected using methods and procedures in accordance with the field sampling and Standard Operating Procedures (SOPs) developed for the study area (H+A, 2007) and with SOPs developed by Basic Remediation Company (BRC) (BRC, 2008). All groundwater monitoring activities presented in this report were conducted during the second quarter 2013.

2.0 GROUNDWATER CONDITIONS

The following sections discuss groundwater flow and quality conditions in the three hydrostratigraphic zones beneath the study area during the second quarter 2013: the Shallow Zone; the Middle Zone; and the Deep Zone. The Shallow Zone is a water table aquifer comprised of the Quaternary alluvium fan deposits, the uppermost portion of the underlying lacustrine Upper Muddy Creek formation (UMCf), and the transitional Muddy Creek Formation that occurs between these two lithologies. The Middle Zone is comprised of the typically fine-grained upper portion of the UMCf underlying the Shallow Zone where groundwater occurs under semi-confined to confined conditions. The Deep Zone is comprised of the slightly coarser-grained portions within the UMCf underlying both the Shallow and Middle Zones where groundwater is under confined conditions.

2.1 GROUNDWATER FLOW

Directions and gradients

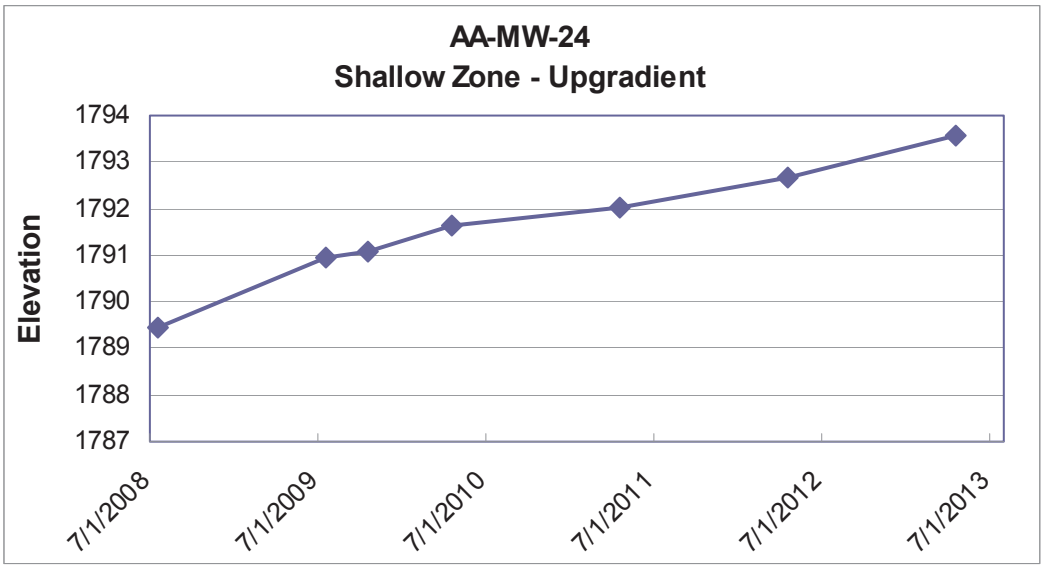
Water levels from each of the three hydrostratigraphic zones were measured at monitor wells located throughout the study area (Table 1). The direction of groundwater flow in the Shallow Zone was to the north-northeast during the second quarter 2013 (Figure 2). The hydraulic gradient in the southern portion of the study area to the former Montrose and Stauffer facilities was approximately 0.02 feet per foot (ft/ft). The gradient decreased to approximately 0.01 ft/ft north of the former facilities (Figure 2).

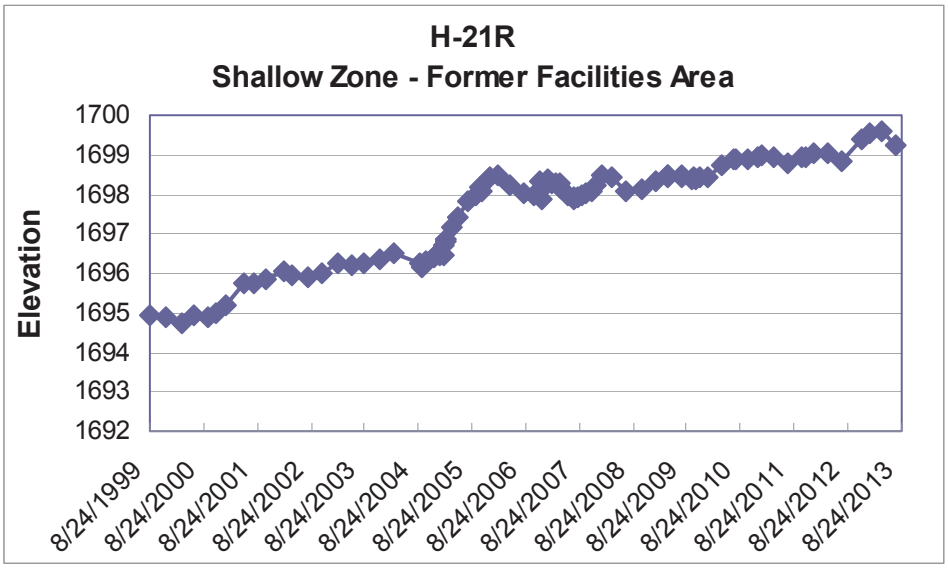
The direction of groundwater flow and the flow gradients in the Shallow Zone during the second quarter 2013 were very consistent with previous Shallow Zone conditions measured since 2006 (H+A, 2008, 2010b, 2010c, 2011, and 2012a). Recent Shallow Zone flow and gradients were also consistent with previous work completed from 1980 and 1982 (Geraghty & Miller, 1980 and Stauffer Chemical Company, 1983).

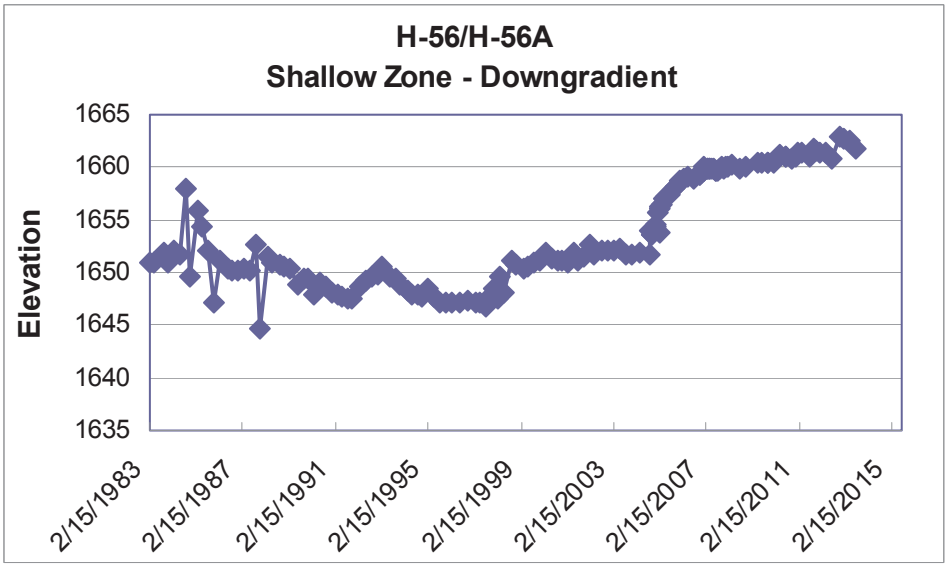
The direction of groundwater flow and flow gradients for all three hydrostratigraphic zones are strongly influenced by the slope of the study area land surface.

Review of study area topographic maps indicates that the slope of the land surface is to the north in the southern portion of the study area and to the northeast from near Warm Springs Road to the Las Vegas Wash. This is very similar to the direction of groundwater flow in these portions of the study area. Land surface gradients range from 0.02 to 0.03 ft/ft in the southern portion of the study area and from 0.01 to 0.02 ft/ft in the northern portion of the study area. These conditions are very similar to groundwater gradients in these areas. The consistency of groundwater flow direction and flow gradients over the years is reflective of this relationship to the land surface and would not be expected to vary significantly from year to year.

The directions of groundwater flow and gradients have remained consistent as Shallow Zone water levels have risen across the study area in recent years. Shallow Zone water level hydrographs for monitor wells located in various locations in the study area are provided to illustrate this rise.



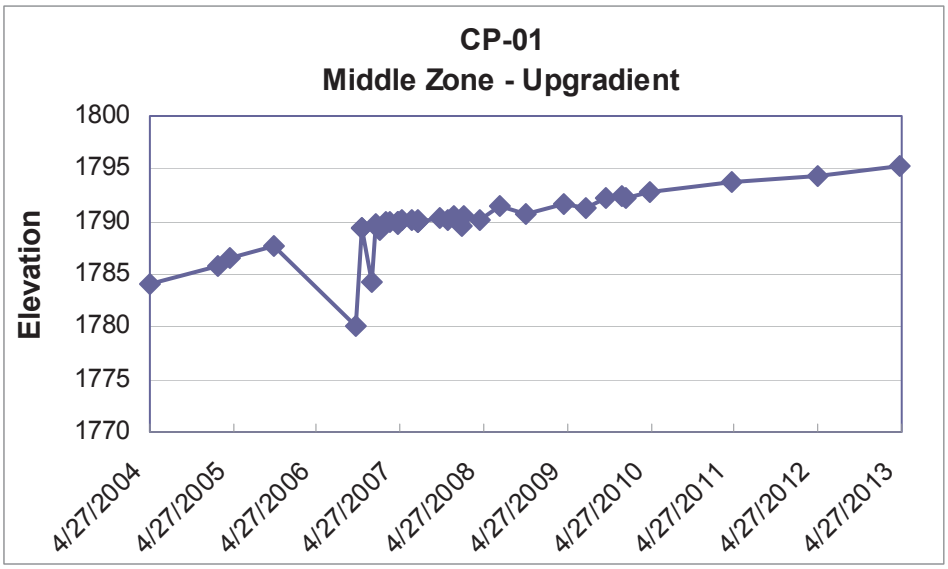


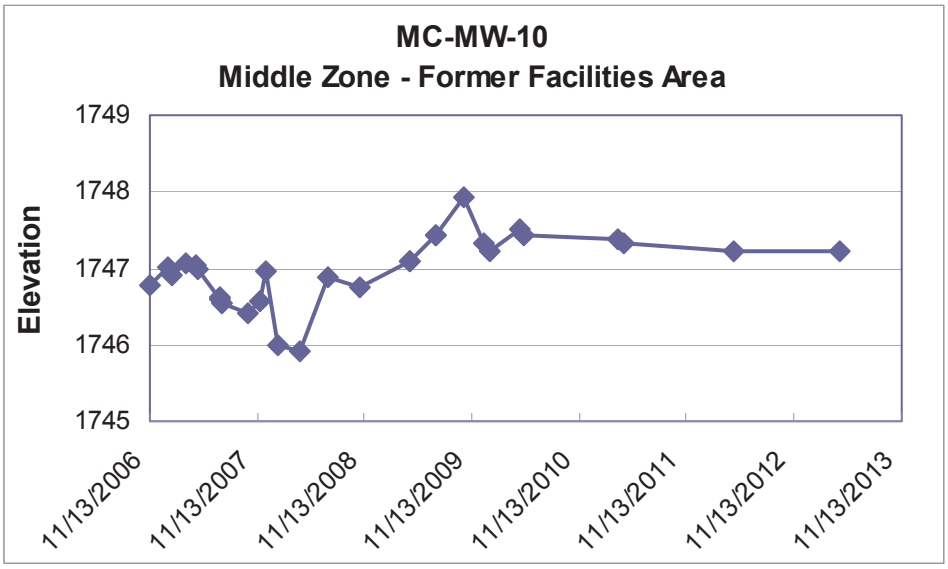


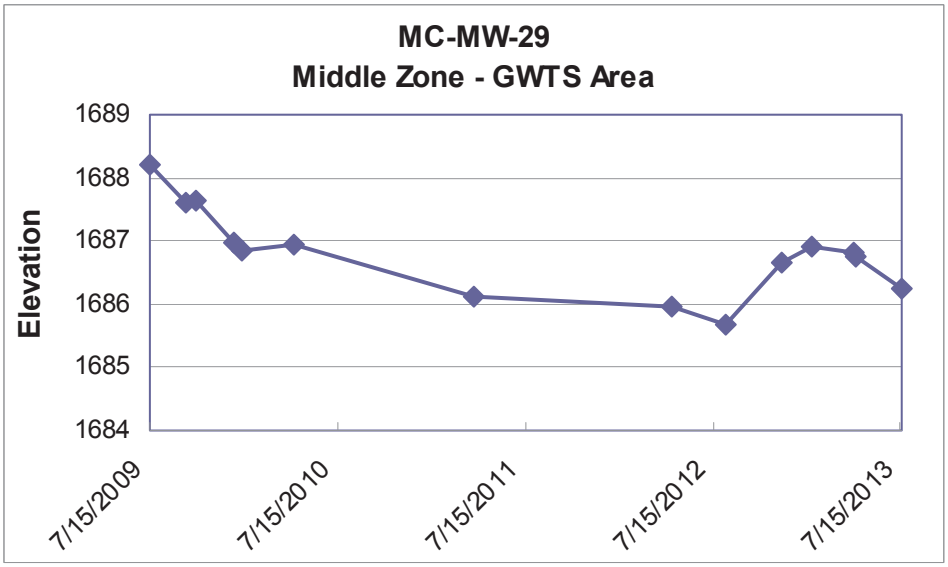
The direction of groundwater flow in the Middle Zone was to the north during the second quarter 2013 (Figure 3). The hydraulic gradient in the Middle Zone ranged between approximately 0.01 ft/ft and 0.02 ft/ft.

The direction of groundwater flow and the flow gradients in the Middle Zone during the second quarter 2013 are consistent with previous Middle Zone conditions measured since 2006 (H+A, 2008, 2010b, 2010c, 2011, and 2012a). Similar to the Shallow Zone, the direction of groundwater flow and flow gradients in the Middle Zone are very similar to slope of the land surface. Middle Zone water level conditions are not expected to vary significantly based on this relationship.

Water levels in the Middle Zone have fluctuated somewhat over time. However, the direction of groundwater flow and flow gradients have remained consistent as Middle Zone water levels have risen, remained stable, or have decreased in portions of the study area. Middle Zone water level hydrographs for monitor wells located in various locations in the study area are provided to illustrate changes over time.





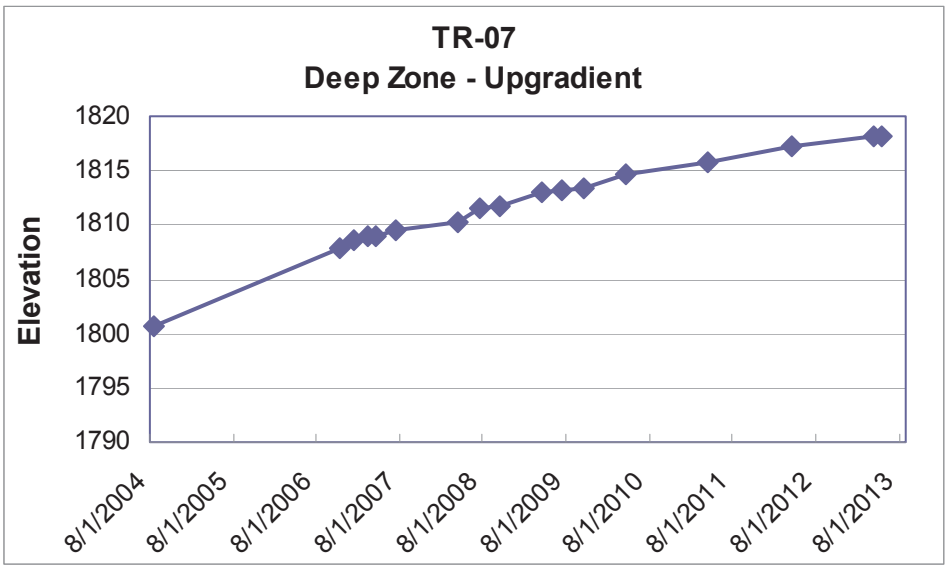


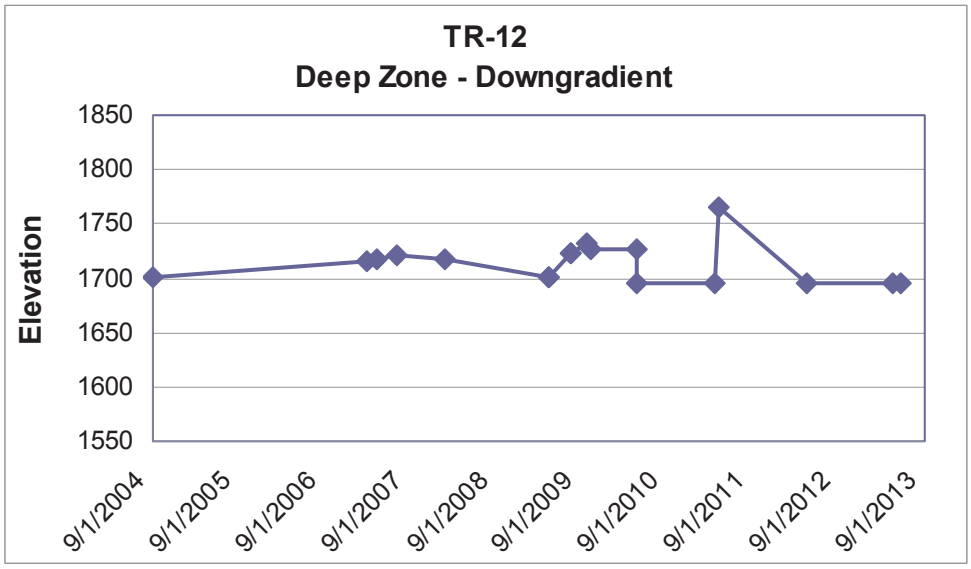
Most Middle Zone wells indicate either stable or increasing water levels. However, water levels have generally decreased at well MC-MW-29. Monitor well MC-MW-29 is located near the Shallow Zone groundwater treatment system (GWTS) area. The decrease in water levels at this well may be in response to GWTS pumping.

The direction of groundwater flow in the Deep Zone was predominately north during the second quarter 2013 (Figure 4). The hydraulic gradient across the study area was approximately 0.02 ft/ft.

The direction of groundwater flow and the flow gradient in the Deep Zone during the second quarter 2013 was consistent with previous Deep Zone conditions measured since 2009 (H+A, 2010b, 2010c, 2011, and 2012a). Similar to the Shallow and Middle Zones, the direction of groundwater flow and flow gradients in the Deep Zone are very similar to slope of the land surface and are not expected to vary significantly based on this relationship.

Deep Zone water level (piezometric) hydrographs for monitor wells located in various locations in the study area are provided to illustrate changes over time. Water levels have remained either stable or have risen over time. Data for some portions of the study area are not provided due to problems with the pressure gage readings.





Vertical Head Differences

Groundwater elevations determined at monitor wells completed in the Middle Zone ranged from zero to approximately 13 feet higher in elevation compared to groundwater elevations at nearby Shallow Zone monitor wells during the second quarter 2013 (Table 2 and Figure 5). These differences in elevation indicated that an upward vertical groundwater flow gradient existed in four of the five vertical delineation well sets between the Middle Zone (upper portion of the UMCf) and the overlying Shallow Zone. The predominant upward vertical gradient during the second quarter 2013 was consistent with previous vertical head calculations since measurements began after the construction of the vertical delineation wells in 2009 (H+A, 2010a, 2010b, 2010c, 2011, and 2012a).

Groundwater elevations measured from monitor wells completed in the Deep Zone were higher than groundwater elevations measured from both Middle and Shallow Zone monitor wells (Table 2 and Figure 5). Groundwater elevations at Deep Zone monitor wells ranged from approximately 30 to 64 feet higher in elevation compared to nearby Shallow Zone monitor wells, and approximately 23 to 64 feet higher in elevation compared to nearby Middle Zone monitor wells during the second quarter 2013. These differences in elevation indicated that an upward vertical groundwater flow gradient existed between the Deep Zone (deeper portions of the UMCf) and both the overlying Middle and Shallow Zones.

These conditions were consistent with previous vertical head conditions measured since 2009 (H+A, 2010b, 2010c, 2011, and 2012a). These data combined with lithologic data indicates that the upper portions of the UMCf act as a confining unit (or aquitard) between the Deep and Shallow Zones.

2.2 DATA EVALUATED FOR THIS REPORT

The 2013 annual groundwater monitoring event included the collection of groundwater samples from each of the three hydrostratigraphic zones. Groundwater samples were analyzed for the following chemical groups:

- Volatile organic compounds (VOCs) analyzed by U.S. Environmental Protection Agency (EPA) method 8260B,
- Organochlorine pesticides (OCPs) analyzed by EPA method 8081A,
- Selected metals analyzed by EPA methods 6020 and 7470A, and
- General chemistry, including total dissolved solids (TDS) and perchlorate using various EPA methods.

Data sets generated by the Companies that were utilized in this report included:

- The Montrose annual closed ponds area post-closure monitoring program,
- The Companies' quarterly GWTS downgradient transect monitoring program,
- The Companies' 2013 annual GWTS extraction well monitoring program,
- The Companies' 2013 annual (site-wide) groundwater monitoring program, and
- Additional monitor wells used to assess monitored natural attenuation (MNA) in the downgradient area (Section 2.4.5).

Similar to previous years, data generated by the Companies in 2013 were supplemented with data generated by others in the BMI area. Groundwater data that was available from nearby properties were incorporated into the appropriate tables and figures of this report.

Data sets generated by others that were utilized in this report included:

- 2013 Nevada Environmental Response Trust (NERT; formerly Tronox LLC) monitoring program (water levels, perchlorate and TDS) , and
- 2013 BRC monitoring program (water levels, arsenic, uranium, pesticides, and TDS).

Organic and inorganic analytical data for all locations sampled by the Companies during the second quarter 2013 are provided in Tables 3 and 4, respectively. Chemicals and constituents that were detected at concentrations greater than their applicable maximum contaminant level (MCL) or basic comparison level (BCL) are denoted on each table. Field parameter data measured during groundwater sampling are provided in Table 5. Chemical prevalence for each hydrostratigraphic zone is provided in Tables 6 through 8. Analytical laboratory reports are provided in Appendix B. The data validation summary report for data generated by the Companies is provided in Appendix C.

2.3 DISTRIBUTION OF CHEMICALS

The most prevalent VOCs, pesticides, metals, and inorganic constituents analyzed for in the study area are discussed in the following sections. The distributions of the prevalent chemicals in the Shallow Zone are illustrated in Figures 6 through 17. Concentrations of these same chemicals in the Middle Zone are posted on Figures 18 through 29. The data are posted for the Middle Zone because of the different depths and screened intervals among the study area Middle Zone wells; contouring may not accurately represent conditions. Field parameters for monitor wells completed in each zone are posted on Figures 30 through 32. No maps or figures were prepared for the Deep Zone because the chemicals and constituents listed above are not prevalent in that zone.

For the purposes of this evaluation, the distributions of the prevalent chemicals were compared to data from 2009 through 2012 (H+A, 2010b, 2010c, 2011, and 2012a). Comparisons of the distributions of chemicals over periods of time are useful in evaluating the effectiveness of remedial measures and in determining whether chemical plumes are stable or are undergoing changes in geometry. Data from 2009 are used since that was the year that annual groundwater monitoring was initiated by the Companies. Chemical distribution maps prepared by the Companies with data from 2009 through 2012 are included in Appendix D.

2.3.1 Volatile Organic Compounds

The VOCs that are most consistently detected in the Shallow and Middle Zones above their respective MCL and/or BCL are benzene, chlorobenzene, chloroform, 1,2-dichlorobenzene (1,2-DCB), and 1,4-dichlorobenzene (1,4-DCB) (Tables 6 and 7). Data from 2009 have consistently indicated that elevated concentrations of these VOCs are present in and immediately downgradient of the former facilities areas. VOCs in upgradient wells to the south of the former facilities are consistently not detected or detected at concentrations less than MCLs and BCLs and the extents of VOCs are well defined to the east and west by wells located on adjacent properties. VOC concentrations gradually decrease downgradient of the former facilities toward the GWTS. The GWTS is effective in removing the VOCs from Shallow Zone groundwater and limits their migration beyond the GWTS to the downgradient area. Typically VOCs are either not detected or detected sporadically at low-level concentrations in the downgradient area.

The following sections provide brief overviews of the results for each of these prevalent VOCs across the study area. Discussions of the effectiveness of the GWTS in capturing and controlling VOC-impacted groundwater and VOC concentrations in the downgradient area are discussed further in Section 2.4.

2.3.1.1 Shallow Zone

Benzene

The distribution of benzene for 2013 is illustrated on Figure 6. Comparison of benzene distribution in 2013 to 2012 does not identify any significant changes in the distribution, shape, or extent of benzene where greater than the MCL (Appendix D). This is evidence that the benzene plume is stable. Comparisons of benzene distributions during the period 2009 to 2013 also indicate that the extent of benzene is stable from year to year.

Review of benzene data for these western extraction wells indicates an overall decreasing trend in concentrations. This decrease has shifted the western extent of benzene greater than its MCL to the east compared to previous years. Benzene has increased in some extraction wells in the eastern portion of the well field, however these and other changes in concentrations were not significant enough to substantively change the distribution of benzene depicted for 2013.

Benzene concentrations at most monitor wells remained unchanged from 2012, specifically in those areas where benzene is typically not detected or detected below its MCL. These areas include: 1) the upgradient area south of the former facilities, 2) areas east and west of the former facilities; 3) the downgradient transect north of the GWTS, and 4) the downgradient area. Benzene was detected at a concentration of 520 micrograms per liter (µg/l) at well MC-50 in 2013. Well MC-50 is located in the downgradient transect north of the GWTS. This concentration is an increase from 2012 but within the range of historic concentrations for the downgradient transect. Benzene did not increase in any other downgradient transect wells in 2013.

Chlorobenzene

The distribution of chlorobenzene for 2013 is illustrated on Figure 7. Similar to benzene, comparison of chlorobenzene distribution in 2013 to 2012 does not identify any significant changes in the distribution, shape, or extent of chlorobenzene where greater than the MCL (Appendix D). This is evidence that the chlorobenzene plume is stable. Comparisons of chlorobenzene distributions during the period 2009 to 2013 also indicate that the extent of chlorobenzene is stable from year to year.

Review of the 2013 data indicates that chlorobenzene decreased or increased in concentration in wells since 2012. These changes occurred at monitor wells located in the former facilities area and at the GWTS extraction wells. The number of monitor wells with decreasing concentrations was larger than wells with increasing concentrations in both areas. Similar to benzene, chlorobenzene decreased in several extraction wells located in the western portion of the GWTS well field. Review of chlorobenzene data for these western extraction wells indicates an overall decreasing trend in concentrations. Chlorobenzene has increased in some extraction wells in the eastern portion of the well field, however these and other changes in concentrations were not significant enough to substantively change the distribution of chlorobenzene depicted for 2013.

Chlorobenzene concentrations at most monitor wells remained unchanged from 2012, specifically in those areas where chlorobenzene is typically not detected or detected below its MCL. These areas include: 1) the upgradient area south of the former facilities, 2) areas east and west of the former facilities; 3) the downgradient transect north of the GWTS, and 4) the downgradient area.

Chlorobenzene was detected at a concentration of 180 µg/l at well MC-50 in 2013. Similar to benzene, this concentration is an increase from 2012 but is within the historic range of concentrations for the downgradient area. Chlorobenzene did not increase in any other downgradient transect wells in 2013.

Chloroform

The distribution of chloroform for 2013 is illustrated on Figure 8. Similar to other VOCs, comparison of chloroform distribution in 2013 to 2012 does not identify any significant changes in distribution, shape, or extent of chloroform where greater than the MCL (Appendix D). This is evidence that the chloroform plume is stable. With the exception of 2010; comparisons of chloroform distributions during the period 2009 to 2013 also indicate that the extent of chloroform is stable from year to year. NERT provided chloroform data to the Companies from Shallow Zone wells on their property in 2010. These data were incorporated into the 2010 report and provided the distribution of chloroform across both the Companies' study area and NERT properties (H+A, 2010c). Review of data for the Companies' study area indicates that chloroform distribution in 2010 was consistent with 2009 and 2011 to the present.

Review of the 2013 data indicates that chloroform decreased or increased in concentration in wells since 2012. These changes occurred at monitor wells located in the former facilities area, at GWTS extraction wells, and in the downgradient area north of Warm Springs Road. The number of monitor wells with decreasing concentrations was larger than wells with increasing concentrations in all areas. Decreases in chloroform occurred in several extraction wells and wells in the downgradient area. Increases in chloroform occurred near the closed ponds area. However, these changes in concentrations were not significant enough to substantively change the distribution of chloroform depicted for 2013. However, the decrease in chloroform concentration at monitor well AA-MW-14 from 870 µg/l in 2012 to 110 µg/l in 2013 allowed for a separation of elevated chloroform-impacted areas in the former facilities area.

Chloroform concentrations remained unchanged in some wells from 2012 specifically in those areas where chloroform is typically not detected or detected below the MCL. These areas include: 1) the upgradient area south of the former facilities, 2) areas east and west of the former facilities (with the exception of well MW-AHX, see below); and 3) the downgradient transect north of the GWTS. Chloroform was detected at a concentration of 130 µg/l in well MW-AHX in 2013.

Chloroform is typically detected in this well and this concentration is within its historic range. Well MW-AHX was installed by AMPAC and is believed to be located within a separate potential source area for chloroform not related to the Companies' study area.

1,2-Dichlorobenzene

The distribution of 1,2-DCB for 2013 is illustrated on Figure 9. Similar to other VOCs, comparison of 1,2-DCB distribution in 2013 to 2012 does not identify any significant changes in distribution, shape, or extent of 1,2-DCB where greater than the MCL (Appendix D). This is evidence that the 1,2-DCB plume is stable. The comparison of 1,2-DCB distributions during the period 2009 to 2013 also indicate that the extent of 1,2-DCE is stable from year to year.

Review of the 2013 data indicates that 1,2-DCB decreased or increased in concentration in wells since 2012. These changes occurred at monitor wells located in the former facilities area and at the GWTS extraction wells. The number of monitor wells with decreasing concentrations was larger than wells with increasing concentrations in both areas. Similar to benzene, 1,2-DCB decreased in several extraction wells located in the western portion of the GWTS well field. 1,2-DCB has increased in some extraction wells in the eastern portion of the well field, however these and other changes in concentrations were not significant enough to substantively change the distribution of 1,2-DCB depicted for 2013.

1,2-DCB concentrations at most monitor wells remained unchanged from 2012 specifically in those areas where 1,2-DCB is typically not detected or detected below the MCL. These areas include: 1) the upgradient area south of the former facilities, 2) areas east and west of the former facilities; 3) the downgradient transect north of the GWTS, and 4) the downgradient area.

1,4-Dichlorobenzene

The distribution of 1,4-DCB for 2013 is illustrated on Figure 10. Similar to other VOCs, comparison of 1,4-DCB distribution in 2013 to 2012 does not identify any significant changes in distribution, shape, or extent of 1,2-DCB where greater than the MCL (Appendix D). This is evidence that the 1,4-DCB plume is stable. Comparisons of 1,4-DCB distributions during the period 2009 to 2013 also indicate that the extent of 1,4-DCE is stable from year to year.

Review of the 2013 data indicates that 1,4-DCB decreased or increased in concentration in wells since 2012. These changes occurred at monitor wells located in the former facilities area and at the GWTS extraction wells. The number of monitor wells with decreasing concentrations was larger than wells with increasing concentrations in both areas. 1,4-DCB was detected at a concentration of 73 µg/l at well MW-4 in 2013. Monitor well MW-4 is located adjacent to the closed ponds area. This concentration is less than the MCL. 1,4-DCB is typically less than the MCL at this well, but exceeded the MCL in 2012. The 1,4-DCB plume was adjusted accordingly. 1,4-DCB also decreased in several extraction wells located in the western portion of the GWTS well field. This decrease has shifted the extent of 1,4-DCB greater than its MCL in the GWTS area slightly east compared to 2012. 1,4-DCB has increased in some extraction wells in the eastern portion of the well field, however these and other changes in concentrations were not significant enough to substantively change the distribution of 1,4-DCB depicted for 2013.

1,4-DCB concentrations at most monitor wells remained unchanged from 2012, specifically in those areas where 1,4-DCB is typically not detected or detected below the MCL. These areas include: 1) the upgradient area south of the former facilities, 2) areas east and west of the former facilities; 3) the downgradient transect north of the GWTS, and 4) the downgradient area.

2.3.1.2 Middle Zone

The distributions of benzene, chlorobenzene, chloroform, 1,2-DCB, and 1,4-DCB are posted on Figures 18 through 22. Similar to the Shallow Zone, comparisons of the distributions of these VOCs in 2013 to 2012 do not identify any significant changes in distribution or extent. Comparisons of these VOCs during the period 2009 to 2013 also indicate that the extents of these VOCs are stable from year to year (Appendix D).

Review of the 2013 data indicates that Middle Zone VOC concentrations fluctuated at most wells since 2012. However, some VOCs, specifically benzene, have decreased significantly in concentration in the GWTS area since 2009. Other VOCs, specifically chloroform, have increased in concentration somewhat in the former facilities area since 2009. However, these and other changes in concentrations were not significant enough to substantively change the distribution of these VOCs for 2013.

2.3.2 Organochlorine Pesticides

The OCPs most consistently detected in the Shallow Zone above their respective MCL or BCL are alpha-, beta-, and gamma-benzene hexachloride (BHC) (Table 6). Gamma-BHC is the most prevalent OCP in the Middle Zone (Table 7). Similar to VOCs, data from 2009 have consistently indicated that concentrations of these BHCs are present in and immediately downgradient of the former facilities areas. BHCs in upgradient wells to the south of the former facilities are consistently not detected and the extents are well defined to the east and west by wells located on adjacent properties. BHC concentrations gradually decrease downgradient of the former facilities toward the GWTS. Concentrations of BHCs are reduced by the GWTS which limits their migration to the downgradient area. Typically BHCs are detected sporadically at low-level concentrations in the downgradient area.

2.3.2.1 Shallow Zone

Alpha-BHC

The distribution of alpha-BHC is illustrated on Figure 11. Comparison of alpha-BHC distribution in 2013 to 2012 does not identify any significant changes in the distribution, shape, or extent of alpha-BHC where greater than the BCL (Appendix D). This is evidence that the alpha-BHC plume is stable. Comparisons of alpha-BHC distributions during the period 2009 to 2013 also indicate that the extent of alpha-BHC is stable from year to year, considering the change in the BCL prior to preparing the 2012 figures. Alpha-BHC has not been detected in Shallow Zone groundwater in the downgradient area at a concentration greater than the current BCL since 2009.

Review of the 2013 data indicates that alpha-BHC decreased or increased slightly in concentration in wells since 2012. These changes occurred at monitor wells located throughout the study area. The number of monitor wells with decreasing concentrations was larger than wells with increasing concentrations, with the most significant decreases occurring at extraction wells located in the eastern portion of the GWTS well field. However these changes in concentrations were not significant enough to substantively change the distribution of alpha-BHC depicted for 2013.

Beta-BHC

The distribution of beta-BHC is illustrated on Figure 12. Comparison of beta-BHC distribution in 2013 to 2012 indicates some slight changes in the shape of the plume due to the inclusion of wells sampled by BRC and additional downgradient wells in 2013. However, these changes do not significantly change the distribution, shape, or extent of beta-BHC where greater than the BCL (Appendix D). This is evidence that the beta-BHC plume is stable. Comparisons of beta-BHC distributions during the period 2009 to 2013 also indicate that the extent of beta-BHC is stable from year to year, considering the change in the BCL prior to preparing the 2012 figures.

Review of the 2013 data indicates that beta-BHC decreased and increased in concentration in wells since 2012. These changes occurred at monitor wells located throughout the study area, with the number of monitor wells with decreasing concentrations significantly larger than wells with increasing concentrations. The most significant decreases in concentrations occurred at the GWTS extraction wells.

Beta-BHC was detected at an estimated concentration of 11 µg/l at well AA-BW-12A. This is an increase in concentration from earlier years. This increase in concentration moved the western extent of the beta-BHC plume to the west slightly. However, beta-BHC concentrations at wells located west of AA-BW-12A remained either not detected or less than the BCL.

Wells H-49A and PC-132 are located in the downgradient area. Beta-BHC was detected at concentrations of 5.0 µg/l and 3.2 µg/l in these wells, respectively. However, beta-BHC at other downgradient area wells located near H-49A and PC-132 was either not detected or detected at concentrations less than the BCL.

Therefore, beta-BHC at wells H-49A and PC-132 appear to be isolated, low-level occurrences and are not considered part of a continuous plume from the GWTS area to the downgradient area. Other changes in concentrations were not significant enough to substantively change the distribution of beta-BHC depicted for 2013.

Gamma BHC

The distribution of gamma-BHC is illustrated on Figure 13. Comparison of gamma-BHC distribution in 2013 to 2012 does not identify any significant changes in the distribution, shape, or extent of gamma-BHC where greater than the MCL (Appendix D).

This is evidence that the gamma-BHC plume is stable. Comparisons of gamma-BHC distributions during the period 2009 to 2013 also indicate that the extent of gamma-BHC is stable from year to year, considering the change in the BCL prior to preparing the 2012 figures. Gamma-BHC has not been detected in Shallow Zone groundwater in the downgradient area at a concentration greater than the MCL since 2010.

Review of the 2013 data indicates that gamma-BHC decreased or increased slightly in concentration in wells since 2012. These changes occurred at monitor wells located throughout the study area. The number of monitor wells with decreasing concentrations was larger than wells with increasing concentrations, with the most significant decreases occurring at extraction wells located in the eastern portion of the GWTS well field. However these changes in concentrations were not significant enough to substantively change the distribution of gamma-BHC depicted for 2013.

2.3.2.2 Middle Zone

The distributions of alpha-, beta-, and gamma-BHC in the Middle Zone are posted on Figures 23 through 25, respectively. Similar to the Shallow Zone, comparisons of the distributions of these BHCs in 2013 to 2012 do not identify any significant changes in distribution or extent. Comparisons of these BHCs during the period 2009 to 2013 also indicate that the extents of these BHCs are stable from year to year (Appendix D).

Review of the 2013 data indicates that Middle Zone BHC concentrations fluctuated slightly in wells since 2012.

Alpha- and beta-BHC were present at concentrations greater than BCLs in only two wells, MCF-BW-08 and MC-MW-11. Both alpha- and beta-BHC concentrations decreased at these wells between 2012 and 2013. Concentrations at all other wells are either not detected or less than BCLs. These conditions are similar to previous years.

Gamma-BHC is present in a slightly larger number of wells at concentrations greater than the MCL in the former facilities area only. Concentrations of gamma-BHC surrounding this area and downgradient of the former facilities are either not detected or detected at concentrations less than the MCL. These conditions are similar to previous years.

2.3.3 Metals

Arsenic and uranium are the metals most consistently detected in the Shallow and Middle Zones above their respective MCL or BCL (Tables 6 and 7). The following sections provide brief overviews of the results for these metals in the study area.

2.3.3.1 Shallow Zone

Arsenic

The distribution of arsenic is illustrated in Figure 14. Arsenic is a naturally occurring constituent in Shallow Zone groundwater (H+A, 2008). As such, the footprint of the arsenic "plume" has included almost every well within the study area including upgradient well AA-MW-05 since 2009. Comparison of arsenic distribution in 2013 to 2012 does not identify any significant changes in the distribution, shape, or extent of arsenic where greater than its MCL (Appendix D). This is evidence that the arsenic plume is stable.

Comparisons of arsenic distributions during the period 2009 to 2013 also indicate that the extent of arsenic is stable from year to year. In 2012, the arsenic concentration in upgradient well AA-MW-24 also exceeded the MCL and remained there in 2013. Currently, the only monitor wells with arsenic concentrations less than the MCL are upgradient monitor well H-11 and monitor well H-55 on the western boundary of the study area.

Uranium

The distribution of uranium is illustrated in Figure 15. Uranium is also a naturally occurring constituent in Shallow Zone groundwater (H+A, 2008). The footprint of the uranium at concentrations greater than the MCL is minimal. Comparison of uranium distribution in 2013 to 2012 indicates some slight changes in the shape of the plume due to the inclusion of wells sampled by BRC and additional downgradient wells in 2013. Uranium was detected at concentrations of 0.051 µg/l, 0.071 µg/l, and 0.034 µg/l in downgradient area wells H-49A, PC-040, and PC-132, respectively. These concentrations are slightly greater than the MCL of 0.030 µg/l. However, these exceedences appear to be isolated, low-level occurrences and are not considered to be part of a continuous anthropogenic plume from the GWTS area to the downgradient area. This condition is based on the fact that there are no exceedences of uranium in the GWTS extraction well field except for the easternmost well I.

Other changes in concentrations were not significant enough to substantively change the distribution of uranium depicted for 2013. Comparisons of uranium distributions during the period 2009 to 2013 also indicate that the extent of uranium is stable from year to year.

2.3.3.2 Middle Zone

The distributions of arsenic and uranium in the Middle Zone are posted on Figures 26 and 27. Both constituents are naturally occurring in the Middle Zone as well. Similar to the Shallow Zone, comparisons of the distributions of arsenic and uranium in 2013 to 2012 do not identify any significant changes in distribution or extent (Appendix D). Comparisons of arsenic and uranium during the period 2009 to 2013 similarly indicate that the extents of these constituents are stable from year to year.

2.3.4 General Chemistry

The inorganic constituents perchlorate and TDS are discussed below based on their relevancy to the study area. The results of groundwater sampling for all inorganic chemicals are summarized in Table 4. The following sections provide brief overviews of the results for these constituents in the study area.

2.3.4.1 Shallow Zone

Perchlorate

The distribution of perchlorate is illustrated in Figure 16. The distribution of perchlorate is controlled by source areas known to exist to the west (AMPAC site) and to the east (NERT site) of the study area. Perchlorate detected in the former facilities areas continues to be orders-of-magnitude less than concentrations to the east, west, and downgradient of the study area. Therefore, perchlorate is not an OSSM chemical of concern. Comparison of perchlorate distribution in 2013 to 2012 does not identify any significant changes in the distribution, shape, or extent of perchlorate where greater than the BCL (Appendix D). This is evidence that the perchlorate plume is stable. Comparisons of perchlorate distributions during the period 2009 to 2013 also indicate that the extent of perchlorate is stable from year to year.

Note: The original perchlorate concentration at Shallow Zone monitor well PC-040 sampled by the Companies indicated a non-detect perchlorate concentration. This concentration did not fit the perchlorate contour map. The laboratory could not find any problems with the raw data and the sample could not be re-analyzed as it had been disposed. Instead, the NERT concentration of perchlorate of 290 µg/l reported for PC-040 was used on Figure 16.

Total Dissolved Solids

The distribution of TDS is illustrated in Figure 17. Comparison of TDS distribution in 2013 to 2012 does not identify any significant changes in the distribution, shape, or extent of TDS (Appendix D). This is evidence that the TDS plume is stable. Comparisons of TDS distributions during the period 2009 to 2013 also indicate that the extent of TDS is stable from year to year.

2.3.4.2 Middle Zone

The distributions of perchlorate and TDS in the Middle Zone are posted on Figures 28 and 29. Similar to the Shallow Zone, comparisons of the distributions of perchlorate and TDS in 2013 to 2012 do not identify any significant changes in distribution or extent (Appendix D). Comparisons of perchlorate and TDS during the period 2009 to 2013 similarly indicate that the extents of these constituents are stable from year to year.

2.3.5 Deep Zone

Figures illustrating the distributions of chemicals in the Deep Zone are not prepared because review of the data over the years has consistently indicated that: 1) the organic compounds typically present in the Shallow and Middle Zones are not present in the Deep Zone, or if present, are present only sporadically at low level concentrations, and 2) with the exception of arsenic which is a naturally occurring constituent in the study area, inorganic constituents are only sporadically detected at concentrations greater than MCLs and/or BCLs. Based on the conceptual understanding of the study area hydrogeology; the differences in the groundwater chemistry between the Deep Zone and the Shallow and Middle Zones are a function of: 1) the depth of the Deep Zone, 2) the presence of the fine-grained UMCf separating the Deep Zone from the overlying zones, and 3) the consistent upward vertical gradients that exist between the Deep Zone and the overlying zones.

These conditions prevent the downward migration of impacted Shallow and Middle Zone groundwater to the Deep Zone and result in the highest concentrations of most chemicals detected sporadically in the Deep Zone being orders of magnitude less than the concentrations detected in the Shallow and/or Middle Zones. These conditions indicate that the Deep Zone has not been impacted by historic study area operations.

Comparisons of Deep Zone water quality between 2012 and 2013 and from 2009 to 2013 indicate that the conditions described above are consistent from year to year (H+A, 2010b, 2010c, 2011, and 2012a). No significant changes in chemical concentrations or persistent occurrences of previously undetected compounds or constituents have occurred in the Deep Zone since 2009. The following provide brief overviews of the recent results by analytical group compared to previous data:

- **Volatile Organic Compounds** - VOCs were either not detected or were detected sporadically at low level concentrations in all but one Deep Zone well in 2013 (Table 8). Benzene and chlorobenzene were detected at concentrations of 13 µg/l and 150 µg/l respectively in monitor well TR-07 in 2013 (Table 3). These concentrations were inconsistent with the historic data that has shown that VOCs are not present in well TR-07. There have been sporadic detections of VOCs at concentrations greater than MCLs in Deep Zone monitor wells in the past. However, these concentrations have been shown to be false positives created through the introduction of contaminants during the drilling process, contaminated sampling equipment, or laboratory contamination or reporting issues. Review of field notes and discussion with the sampling team for well TR-07 did not indicate any problems during the sampling event. However, well TR-07 was re-sampled for VOC analysis on July 17, 2013 and again on July 29, 2013 along with a field duplicate to confirm the presence of benzene and chlorobenzene. No VOCs were detected in any of the three July samples. Based on the re-sampling and historic record for this well, the detections of benzene and chlorobenzene were considered false positives. The July VOC results are included on Table 3.

- **Organochlorine Pesticides** – No OCPs were detected in Deep Zone groundwater samples in 2013 (Table 3). This is consistent with data collected from 2009 to 2012.

- **Metals** - Arsenic was detected at concentrations greater than the MCL in all Deep Zone monitor wells sampled in 2013, including upgradient locations. This is consistent with data collected from 2009 to 2012. The widespread distribution of arsenic is a result of the fact that arsenic is naturally occurring in the Deep Zone. Uranium was not detected at concentrations greater than the MCL in 2013. Exceedences of the uranium MCL from 2009 to 2012 have been sporadic and generally occur at a small number of wells (Table 4).

- **General Chemistry** - Perchlorate was detected in one well above the MCL and TDS was detected in Deep Zone wells at varying concentrations consistent with previous data (Table 4).

2.3.6 Dense Non-Aqueous Phase Liquids

Monitoring for the presence of dense non-aqueous phase liquids (DNAPL) in wells was completed as part of the field program for this monitoring program. Past experience with DNAPL monitoring has shown a tendency toward false positives due to variations in groundwater density. Hence, when standard interface probe monitoring indicates the possible presence of DNAPL, the well is subsequently bailed with a clear bailer to visually check for DNAPL. Using this dual method of monitoring, no DNAPL was observed in any well within the site-wide program's well field.

However, as discussed below, these findings need to be considered in context with the ongoing Montrose DNAPL monitoring and purge program that routinely monitors every well in the well field that has ever had any indication of the presence of DNAPL (during construction or routine monitoring) and purges DNAPL from any well where DNAPL is observed. A round of monitoring and purging was conducted in early April 2013, shortly before the start of the site-wide monitoring program and could have affected the findings of the site-wide monitoring program, particularly at well MC-MW-12 and MC-MW-18 where 0.66 and 1.84 gallons of DNAPL were removed respectively.

Otherwise, the results of the site-wide monitoring are consistent with the findings of the Montrose DNAPL monitoring and purge program that has been in operation since September 2011 and will be continued through at least the end of 2013.

While the findings of that program have been informally conveyed to NDEP in the recent past, a full report on the findings of the monitoring and purge program along with the results of the DNAPL mobility test at well MC-MW-12 is scheduled for submittal in November. That report will provide a comprehensive picture of long-term DNAPL findings at the site and, hence, no further discussion of the DNAPL presence or implications at the site are provided herein at this time.

2.4 GROUNDWATER TREATMENT SYSTEM

2.4.1 Operations

All sixteen active extraction wells were operational from April 2012 through April 2013 (the past year). The extraction wells are completed in the Shallow Zone and are used to extract impacted Shallow Zone groundwater for treatment using air stripping and liquid granular activated carbon (LGAC). Treated groundwater is returned to the Shallow Zone in underground recharge trenches located north (downgradient) of the extraction well field (H+A, 2008). Some extraction wells were off-line for limited periods of time due to the maintenance of well components, extraction well pump cleaning, extraction well redevelopment, and/or routine short-term system shutdowns related to air stripper maintenance. There was no extended GWTS downtime during the past year.

The overall GWTS flow rate averaged approximately 133 gallons per minute (gpm) during the past year. The total volume of groundwater processed during this period was greater than 71,650,000 gallons. Air stripper efficiency exceeded 97.7 percent. All treated effluent was discharged to the east, center, and west recharge trenches. These data are consistent with data from 2011 except for the average flow rate and the total volume of groundwater processed. Prior to 2011, extraction wells A and B were active and their operation contributed to a higher average flow rate and total volume of groundwater processed. Extraction wells A and B were shutdown on July 7, 2010 in accordance with a work plan submitted to NDEP by the Companies in August 2009 (*de maximis, inc.* 2012a).

Year[1]	Average Flow Rate (gpm)	Volume of Groundwater Processed (gallons)	Air Stripper Efficiency
2009	191	84,760,000[2]	99.0
2010	191	99,600,000[2]	98.8
2011	133	71,000,000	99.9
2012	128	70,900,000	99.8
2013	133	71,650,000	97.7

(1) Time period April of previous year to April of year noted.

(2) Includes pumpage from extraction wells A and B before they were shutdown on July 7, 2010.

The Companies' performed its annual GWTS extraction well monitoring during the second quarter 2013. This monitoring is conducted voluntarily by the Companies to generate data used in the operation of the GWTS. The monitoring includes collecting groundwater samples from each operational extraction well. The groundwater samples are collected from sampling ports located on each individual extraction wellhead; prior to mixing with discharges from other extraction wells en route to the air stripper and LGAC.

Groundwater samples were collected from the active extraction wells on April 19, 2013. The groundwater samples were analyzed for:

- VOCs analyzed by EPA method 8260B,
- OCPs analyzed by EPA method 8081A,
- Resource Conservation and Recovery Act metals analyzed by various EPA methods, and
- TDS analyzed by EPA method 160.1.

The results of the extraction well sampling are summarized in Tables 3 and 4. A review of the results indicates that concentrations of chemicals and constituents fluctuated somewhat between 2012 and 2013 with decreases of some VOCs in the western portion of the GWTS well field. However, some fluctuations are present in the data from year to year and overall the 2013 concentrations are consistent with the results from 2009 to 2012. Discussions of the distributions of these chemicals in Shallow Zone groundwater, including the GWTS area, are presented in Section 2.2.

2.4.2 Capture

The Companies evaluate GWTS capture on a quarterly basis using a multiple lines of evidence approach. The results of these evaluations are submitted to NDEP as part of the quarterly GWTS operations reports. The multiple lines of evidence include downgradient chemical concentrations, mass removal calculations, and water level measurements collected from all GWTS area Shallow Zone monitor wells, extraction wells, and piezometers. The water level data are used to prepare triangular irregular network (TIN) and particle tracking maps to identify areas where capture is complete or uncertain.

The results of the capture evaluations consistently indicate that the GWTS is effective in capturing impacted Shallow Zone groundwater. Mass removal rates for the past five years average greater than 97 percent. VOC concentrations in wells located downgradient of the GWTS have decreased. TIN and particle tracking analyses indicate complete capture across a majority of the extraction well field. However, an area of incomplete capture has been identified between extraction wells C and P (*demaximis, inc.*, 2012b, 2013a, 2013b, and 2013c).

There are significant actions pending NDEP's approval that will lead to the resolution of the apparent capture deficiency between wells C and P. A proposal was submitted to NDEP by the Companies in August 2012 (*de maximis*, *inc.,* 2012a). The proposal includes shut down of well C and subsequent monitoring in the area between wells C and P to assess the effect of the shut down on groundwater flow patterns. The combined result of this monitoring and the routine quarterly capture evaluation will determine if a capture deficiency still exists after the shutdown of Well C and, if it remains, provide the necessary information for optimum siting of one or more new additional extraction wells between C and P. The sequential nature of these actions is required to provide the most efficient resolution to the capture deficiency. The Companies are prepared to move ahead with this program upon approval of the plan by NDEP.

2.4.3 Influent/Effluent Trends

Influent and effluent samples were collected and analyzed weekly during the past year pursuant to the Consent Order and the requirements of the Clark County Department of Air Quality and Environmental Management (DAQEM).

All influent and effluent samples were analyzed for VOCs including benzene, chlorobenzene, chloroform, dimethyl disulfide, 1,2-DCB, 1,4-DCB, 1,3-DCB, and 1,2,4-trichlorobenzene using EPA Method 8260B and for semi-VOCs using EPA Method 8270C.

Total VOC concentrations ranged from approximately 16,400 µg/l on June 1, 2012 to approximately 26,000 µg/l on October 26, 2012 in influent samples during the past year. Among the two most prevalent VOCs; benzene ranged from 300 µg/l to 12,000 µg/l and chlorobenzene ranged from 5,100 µg/l to 13,000 µg/l. Influent concentrations fluctuated during the year and did not trend upward or downward. This variability is consistent with influent monitoring during previous years and is the result of collecting discrete samples from the combined flow of 16 individual extraction wells that vary significantly in total VOC concentration.

Concentrations of VOCs and semi-VOCs in effluent samples were routinely less than detection limits during the past year. The maximum concentration of any VOC or semi-VOC in an effluent sample was dimethyl disulfide at a concentration of 6.8 µg/l on September 20, 2012. All concentrations detected in effluent samples were well below the monthly average discharge limits and weekly maximum discharge limits established by the Consent Order. All concentrations were also less than MCLs. These conditions are consistent with the results from the past five years.

2.4.4 Summary of GWTS Performance

The results of the multiple lines of evidence approach to GWTS evaluation and routine system treatment monitoring indicate that the GWTS is effective in capturing, controlling, and treating impacted Shallow Zone groundwater. Data indicate that VOC mass removal rates are greater than 97 percent, VOCs are decreasing or are not detected in wells located downgradient of the GWTS, and capture is complete across a majority of the extraction well field. An area of incomplete capture has been identified between extraction wells C and P. However, the Companies have a proposal before NDEP to address this area upon approval from NDEP.

Data also indicate that all effluent concentrations over the past 5 years have been below the monthly average discharge limits and weekly maximum discharge limits of the Consent Order (State of Nevada, 1983).

2.4.5 Downgradient Area

The downgradient area is located immediately north of the GWTS and extends to the Las Vegas Wash (Figure 1). The downgradient area is of critical importance to the Companies because the presence of elevated concentrations of organic compounds in downgradient Shallow Zone groundwater would suggest ineffectiveness in GWTS operations.

Accordingly, the Companies have conducted groundwater monitoring in the downgradient area pursuant to the Consent Order since 1983 and expanded monitoring in 2004 to include a downgradient transect of seven wells located immediately north of the GWTS well field. Additionally, the Companies conducted a specialized groundwater sampling event in 2006 that consisted of collecting groundwater samples from 22 monitor wells located throughout the downgradient area (Geosyntec Consultants, 2007). A review of the data generated by these monitoring programs and events indicates that elevated concentrations of VOCs were present in the southern portion of the downgradient area in the 1980s. However, the operation of the GWTS has been effective in capturing Shallow Zone groundwater since startup and VOC concentrations have decreased significantly over time to either not detected or to sporadic low level concentrations in the downgradient area (H+A, 2008).

The Companies have continued downgradient area monitoring as part of this annual groundwater monitoring program to confirm that VOCs and OCPs are not prevalent. Beginning in 2010, the Companies expanded downgradient area monitoring to include six additional monitor wells north of the Consent Order and downgradient transect monitor wells (Appendix D). The Companies initiated an annual MNA program during the second quarter 2013. Monitor wells H-49A, PC-040 and PC-132 were added to the six existing downgradient area wells. The purpose of this program is to provide information to be used to evaluate MNA processes in the downgradient area.

These wells, along with the existing DGA monitor wells, provide more spatial coverage in the downgradient area and form transects that are oriented parallel and transverse to groundwater flow paths. These wells will be monitored in the future to trend field parameter, VOC, and OCP changes due to natural attenuation.

The distributions of VOCs and OCPs for 2013 are illustrated on Figures 6 through 13 and are discussed in Section 2.2. A review of the data confirms that VOCs and OCPs at most wells were either not detected or were detected at low level concentrations in the downgradient area. Benzene, chlorobenzene, chloroform, and beta-BHC were detected at concentrations greater than their respective MCL or BCL in the southern portion of the downgradient area in 2013. However, these exceedences are limited to one to three wells and are disconnected and of limited extent.

Comparisons of VOC and OCP distributions during the period 2009 to 2013 also confirm that these organic compounds are not prevalent in the downgradient area. VOCs and OCPs have only been detected sporadically at concentrations greater than MCLs and/or BCLs. These data indicate that the GWTS has been effective in capturing and removing VOCs from Shallow Zone groundwater.

Although the treatment system was originally designed to remove VOCs from groundwater, the GWTS has also been effective in removing OCPs. Alpha-BHC and gamma-BHC were not detected at concentrations greater than their BCL or MCL in the downgradient area in 2013. Only gamma-BHC has been detected at a concentration greater than the MCL in the downgradient area since 2009 (once in 2009). Beta-BHC has been detected in the downgradient area greater than the BCL from 2009 to 2013. However, the beta-BHC concentrations in the downgradient area are less than upgradient concentrations.

3.0 SUMMARY AND FUTURE MONITORING

The NDEP-approved 2013 monitoring plan was successfully implemented by the Companies during the second quarter 2013. The scope of the 2013 event provided a more than an adequate level of monitoring for groundwater conditions in the study area. The results of the 2013 event were consistent with past data and did not identify any unusual or unexpected conditions or occurrences.

Monitoring data from 2009 to 2012 were compared to the 2013 data in this report. The comparison of these data indicate that:

- The direction of groundwater flow in each zone is consistently to the north or northeast;
- Groundwater gradients in each zone are consistently between 0.01 and 0.03 ft/ft and approximate land surface gradients;
- Vertical groundwater flow gradients are consistently upward from the Deep Zone;
- The horizontal extents of chemicals at concentrations greater than their respective MCL or BCL in the Shallow and Middle Zones are stable and consistent from year to year;
- The concentrations of these chemicals within the plumes are consistent from year to year. Although some variations occur; these changes are not considered significant;
- The organic compounds present at elevated concentrations in the Shallow and Middle Zones are not present in the Deep Zone. Inorganic constituents are naturally occurring in the Deep Zone;
- Site-wide DNAPL monitoring confirmed that no changes have occurred regarding DNAPL presence and extent from that previously defined. Investigation work by Montrose is ongoing;
- The GWTS is effective in capturing, controlling, and removing organic compounds from impacted Shallow Zone groundwater. One area of incomplete capture exists; however, NDEP approval of the Companies GWTS Extraction Well C Modification proposal to address this area remains pending;

- Organic compounds are not prevalent in the downgradient area. If present, organic compounds are typically detected sporadically at low level concentrations.
- The 2013 data reinforces the Companies conceptual understanding of the hydrogeologic processes occurring in the study area (H+A, 2008).

As in the past, a site-wide monitoring plan will be developed in coordination with NDEP for the 2014 monitoring event in April. Recent discussions with NDEP have indicated a preference for a standardized yearly plan for future years rather than generating a single year plan each year. The OSSM Companies fully support that vision and will work to incorporate that approach into the 2014 (and beyond) plan.

However, it is noted that the recent release of NDEP's Proposed BMI Regional Goals and Directives document will have a bearing on the scope of future annual monitoring and the schedule for finalization of that document is uncertain. Hence, while the OSSM Companies have typically submitted a monitoring plan for the next year in the fourth quarter of the current year, it may be prudent to delay the submittal of the plan until NDEP's comments on this years monitoring event are available and the Regional document is further developed.

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TABLES

HARGIS + ASSOCIATES, INC.

TABLE 1
WATER LEVEL DATA
SECOND QUARTER 2013

WELL IDENTIFIER	WATER BEARING ZONE	DATE MEASURED	MEASURING POINT ELEVATION FEET AMSL	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION FEET AMSL	TOP OF NAPL (FEET)	NAPL THICKNESS FEET
AA-BW-01A	Shallow	4/16/2013	1754.56	38.31	1716.25		
AA-BW-02A	Shallow	4/16/2013	1748.80	40.35	1708.45		
AA-BW-03A	Shallow	4/16/2013	1741.63	38.80	1702.83		
AA-BW-04A*	Shallow	4/19/2013	1731.49	37.80	1693.69		
AA-BW-05A*	Shallow	4/18/2013	1731.40	32.69	1698.71		
AA-BW-06A*	Shallow	4/18/2013	1731.40	31.33	1700.07		
AA-BW-08A*	Shallow	4/18/2013	1763.18	49.97	1713.21		
AA-BW-09A	Shallow	4/16/2013	1763.12	47.33	1715.79		
AA-BW-12A*	Shallow	4/18/2013	1778.54	49.61	1728.93		
AA-MW-05	Shallow	4/17/2013	1843.06	46.82	1796.24	NE	NE
AA-MW-07*	Shallow	4/22/2013	1764.22	37.19	1727.03		
AA-MW-13R	Shallow	4/17/2013	1808.74	38.05	1770.69	NE	NE
AA-MW-14	Shallow	4/17/2013	1811.31	37.03	1774.28	NE	NE
AA-MW-20	Shallow	4/17/2013	1813.26	32.72	1780.54	NE	NE
AA-MW-24	Shallow	4/18/2013	1853.58	59.99	1793.59	NE	NE
AA-MW-25	Shallow	4/17/2013	1803.87	55.82	1748.05	NE	NE
B-01	Shallow	4/17/2013	1807.14	38.82	1768.32	NE	NE
B-16	Shallow	4/17/2013	1787.20	44.23	1742.97		
EC-03	Shallow	5/20/2013	1804.04	40.12	1763.92	NE	NE
EC-04	Shallow	4/17/2013	1811.48	45.25	1766.23		
EC-07	Shallow	4/18/2013	1797.97	51.74	1746.23	NE	NE
EC-10	Shallow	4/18/2013	1792.08	42.06	1750.02	NE	NE
H-11	Shallow	4/17/2013	1868.47	70.78	1797.69	NE	NE
H-18A	Shallow	4/16/2013	1726.36	27.19	1699.17		
H-21R	Shallow	4/16/2013	1730.35	30.78	1699.57		
H-28	Shallow	4/16/2013	1732.90	38.43	1694.47		
H-43	Shallow	4/16/2013	1731.22	31.14	1700.08		
H-49A	Shallow	4/24/2013	1687.96	24.57	1663.39		
H-55	Shallow	4/17/2013	1752.15	40.78	1711.37		
H-56A	Shallow	4/16/2013	1684.13	21.67	1662.46		
H-58A	Shallow	4/16/2013	1693.43	27.42	1666.01		
M-007B	Shallow	4/16/2013	1732.83	35.40	1697.43		
M-057A	Shallow	4/17/2013	1753.44	28.78	1724.66		
M-092	Shallow	4/17/2013	1800.76	35.61	1765.15		
M-125	Shallow	4/17/2013	1771.33	37.20	1734.13		
M-142	Shallow	4/17/2013	1773.55	30.17	1743.38		
MC-09R	Shallow	4/17/2013	1717.88	31.13	1686.75		
MC-111	Shallow	4/17/2013	1726.50	37.52	1688.98		
MC-113	Shallow	4/15/2013	1705.34	24.05	1681.29		
MC-114	Shallow	4/15/2013	1706.92	26.72	1680.20		
MC-116	Shallow	4/15/2013	1712.35	18.90	1693.45		
MC-47	Shallow	4/15/2013	1710.42	32.76	1677.66		
MC-48	Shallow	4/15/2013	1709.90	30.15	1679.75		
MC-49	Shallow	4/15/2013	1710.08	28.60	1681.48		
MC-50	Shallow	4/15/2013	1713.32	28.98	1684.34		
MC-53	Shallow	4/15/2013	1715.27	30.96	1684.31		
MW-AHX	Shallow	4/18/2013	1735.60	32.11	1703.49		
MW-A-J	Shallow	4/18/2013	1649.64	7.28	1642.36		
MW-R	Shallow	4/18/2013	1667.90	10.51	1657.39		
PC-028	Shallow	4/18/2013	1650.80	11.43	1639.37		
PC-031	Shallow	4/18/2013	1657.91	9.93	1647.98		
PC-064	Shallow	4/18/2013	1675.25	9.86	1665.39		
PC-067	Shallow	4/18/2013	1673.91	13.42	1660.49		

HARGIS + ASSOCIATES, INC.

TABLE 1
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SECOND QUARTER 2013

WELL IDENTIFIER	WATER BEARING ZONE	DATE MEASURED	MEASURING POINT ELEVATION FEET AMSL	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION FEET AMSL	TOP OF NAPL (FEET)	NAPL THICKNESS FEET
PW-01	Shallow	4/17/2013	1827.38	45.40	1781.98		
WELL-A	Shallow	4/15/2013	1714.70	21.15	1693.55		
WELL-B	Shallow	4/15/2013	1717.46	24.68	1692.78		
AGX-90	Middle	4/17/2013	1750.01	29.01	1721.00	NE	NE
CP-01	Middle	4/17/2013	1827.62	32.43	1795.19	NE	NE
DPT-01	Middle	4/17/2013	1807.57	36.71	1770.86	NE	NE
EC-12	Middle	4/17/2013	1804.87	37.05	1767.82	NE	NE
EC-13	Middle	4/18/2013	1805.79	42.51	1763.28	NE	NE
EC-14	Middle	4/24/2013	1791.92	43.50	1748.42	NE	NE
M-136	Middle	4/17/2013	1751.87	27.78	1724.09	NE	NE
M-149	Middle	4/17/2013	1796.82	42.60	1754.22	NE	NE
M-150	Middle	4/17/2013	1759.11	22.30	1736.81	NE	NE
MCF-BW-08	Middle	5/13/2013	1763.39	48.11	1715.28		
MCF-BW-10A	Middle	5/13/2013	1779.36	42.95	1736.41		
MC-MW-09	Middle	4/17/2013	1814.98	36.20	1778.78	NE	NE
MC-MW-10	Middle	4/17/2013	1803.91	56.70	1747.21	NE	NE
MC-MW-11	Middle	4/17/2013	1804.50	57.37	1747.13	NE	NE
MC-MW-15	Middle	4/17/2013	1789.55	51.66	1737.89	NE	NE
MC-MW-17	Middle	4/17/2013	1800.42	37.67	1762.75	NE	NE
MC-MW-18	Middle	4/17/2013	1787.10	43.51	1743.59	(1)	(1)
MC-MW-29	Middle	4/17/2013	1717.55	30.79	1686.76	NE	NE
MC-MW-30	Middle	4/17/2013	1718.23	27.41	1690.82	NE	NE
MC-MW-31	Middle	4/17/2013	1716.85	29.77	1687.08	NE	NE
MC-MW-32	Middle	4/17/2013	1723.25	30.93	1692.32	NE	NE
MC-MW-33	Middle	4/17/2013	1721.20	32.12	1689.08	NE	NE
MC-MW-34	Middle	4/17/2013	1715.91	25.74	1690.17	NE	NE
MC-MW-35	Middle	4/17/2013	1712.66	18.85	1693.81	NE	NE
MC-MW-36	Middle	4/17/2013	1702.38	27.49	1674.89	NE	NE
MC-MW-37	Middle	4/17/2013	1703.91	29.95	1673.96	NE	NE
MC-MW-38	Middle	4/17/2013	1709.41	28.45	1680.96	NE	NE
MC-MW-39	Middle	4/17/2013	1784.86	38.62	1746.24	NE	NE
MC-MW-41	Middle	4/17/2013	1771.23	41.41	1729.82	NE	NE
MC-MW-42	Middle	4/17/2013	1764.50	35.70	1728.80	NE	NE
DMC-MW-26	Deep	5/20/2013**	1807.96	-5.78	1813.74		
DMC-MW-27R	Deep	4/17/2013	1827.80	8.61	1819.19		
DMC-MW-28	Deep	4/17/2013	1763.03	-2.31	1765.34		
MW-08	Deep	4/17/2013	1803.63	-9.24	1812.87		
TR-01	Deep	4/17/2013	1752.18	0.00	1752.18		
TR-03	Deep	4/17/2013	1772.84	0.00	1772.84		
TR-05	Deep	4/17/2013	1800.27	0.00	1800.27		
TR-07	Deep	4/17/2013	1829.03	10.89	1818.14		
TR-09	Deep	4/18/2013	1854.29	36.76	1817.53		
TR-11	Deep	4/17/2013	1717.12	0.00	1717.12		
TR-12	Deep	4/17/2013	1695.84	0.30	1695.54		

Footnotes:

* measurement provided by BRC

** Remeasurement

NE Not encountered

AMSL ove mean sea level

(1) = The NAPL thickness originally reported for this well was 21.75 feet on April 17, 2013. This thickness is considered erroneous because this thickness is not consistent with the Montrose long-term DNAPL monitoring program initiated in September 2011. The maximum thickness of NAPL measured at this well during the program period was 6 feet, and NAPL was not measureable in this well immediately before or after April 2013.

HARGIS + ASSOCIATES, INC.

TABLE 2

VERTICAL HEAD DIFFERENCES
SECOND QUARTER 2013

Well Cluster	Screened Formation	Location ID	Date	Screen Midpoint Elevation	Static Ground water Elevation	TDS (mg/l[a])	Water Density (kg/m^3 [b])	Corrected Groundwater Elevations	Hydraulic Head Difference (in feet with respect to overlying unit [Shallow Zone/Middle Zone])	Hydraulic Gradient (ft/ft)
1	Shallow	B-01	4/17/2013	1,757.39	1768.32	22,000	1,013.58	1,768.47		
	Middle	DPT-01	4/17/2013	1,686.45	1770.86	730	997.63	1,770.66	+2.19	+0.031
	Deep	DMC-MW-26	5/20/2013	1,530.96	1813.74	780	997.67	1,813.08	+44.61/+42.42	+0.197/+0.273
2	Shallow	AA-MW-25	4/17/2013	1,749.87	1748.05	14,000	1,007.58	1,748.04		
	Middle	MC-MW-10	4/17/2013	1,701.21	1747.21	23,000	1,014.33	1,747.87	-0.17	-0.003
	Deep	MW-08	4/17/2013	1,515.95	1812.87	800	997.68	1,812.18	+64.14/+64.31	+0.274/+0.347
3	Shallow	PW-01	4/17/2013	1,765.51	1781.98	7,800	1,002.94	1,782.03		
	Middle	CP-01	4/17/2013	1,705.75	1795.19	740	997.64	1,794.98	+12.95	+0.217
	Deep	DMC-MW-27R	4/17/2013	1580.71	1819.19	810	997.69	1,818.64	+36.02/+23.07	+0.195/+0.184
4	Shallow	MC-09R	4/17/2013	1,684.57	1686.75	15,000	1,008.33	1,686.77		
	Middle	MC-MW-29	4/17/2013	1,646.84	1686.76	10,000	1,004.58	1,686.94	+0.17	+0.005
	Deep	TR-11	4/17/2013	1,497.12	1717.12	770	997.66	1,716.60	+29.84/+29.66	+0.159/+0.198
5	Shallow	AA-BW-09A	4/16/2013	1,718.59	1715.79	61,000[c]	1,043.18	1,715.67		
	Middle	MCF-BW-09B[d]		1,693.63				--	--	--
	Deep	DMC-MW-28	4/17/2013	1,488.03	1765.34	680	997.59	1,764.67	+49.00	+0.213

Note: All groundwater elevations are in units of feet above mean sea level
TDS =total dissolved solids
mg/l =milligrams per liter
kg/m^3 =kilograms per cubic meter
ft/ft: =feet per foot
\+ =indicates upward gradient
\- =indicates downward gradient

a 2013 analytical results unless otherwise specified
b Calculated based on estimated groundwater temperature of 25 degrees celsius based on Sitewide groundwater monitoring round field notes
c Not sampled in 2013 for TDS, estimated based on 2011 results
d Monitor well destroyed

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			AA-BW-03A	AA-MW-05	AA-MW-13R	AA-MW-14	AA-MW-14	AA-MW-20	AA-MW-24	AA-MW-24	AA-MW-25	B-01
	Detections **BOLDED**	Date			5/2/2013	4/25/2013	5/6/2013	5/9/2013	5/9/2013	5/8/2013	4/26/2013	4/26/2013	5/7/2013	5/6/2013
		Sample Purpose			REG	REG	REG	FD	REG	REG	FD	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
PESTICIDES	2,4'-DDD	ug/L			<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095UJ	<0.095UJ	<0.096	<0.099
	2,4'-DDE	ug/L			<0.095	<0.096	<0.20	**0.61J+**	**0.63**	<0.095	<0.095	<0.095	<0.096	<0.099
	2,4'-DDT	ug/L			<0.095	<0.096	<0.20	**0.22J+**	**0.23**	<0.095	<0.095	<0.095	<0.096	<0.099
	4,4'-DDD	ug/L		0.280	<0.095	<0.096	<0.20	**0.066J+**	**0.079**	<0.095	<0.095	<0.095	<0.096	<0.099
	4,4'-DDE	ug/L		0.198	<0.095	<0.096	<0.20	**2.2**	**1.3**	<0.095	<0.095UJ	<0.095UJ	<0.096	<0.099
	4,4'-DDT	ug/L		0.198	<0.095	<0.096	<0.20	**0.92**	**0.78**	<0.095	<0.095	<0.095	<0.096	<0.099
	ALDRIN	ug/L		0.00395	<0.0048	<0.0048	<0.010	<0.0097	<0.0099	<0.0047	<0.0048	<0.0048	<0.0048	<0.0049
	ALPHA-BHC	ug/L		10.95	**0.30**	<0.0048	<0.010	**0.20J+**	**0.2**	**0.089**	**0.013**	**0.011**	**1.9**	**55**
	BETA-BHC	ug/L		2.19	<0.0095	<0.0096	**0.12**	**0.14J+**	**0.16**	**0.022**	<0.0095	**0.0047**	**0.15**	**7.5**
	CHLORDANE	ug/L	2	2	<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	DELTA-BHC	ug/L		11	**0.019J**	<0.19	<0.40	**0.41J+**	**0.40**	<0.19	**0.0097**	**0.0083**	**0.34**	**5.3**
	DIELDRIN	ug/L		0.00420	<0.0048	<0.0048	<0.010	<0.0097	<0.0099	<0.0047	<0.0048	<0.0048	<0.0048	<0.0049
	ENDOSULFAN I	ug/L		219	<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	ENDOSULFAN II	ug/L		219	<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	ENDOSULFAN SULFATE	ug/L			<0.19	<0.19	<0.40	<0.39	<0.39	<0.19	<0.19	<0.19	<0.19	<0.20
	ENDRIN	ug/L	2	2	<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	ENDRIN ALDEHYDE	ug/L			<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	ENDRIN KETONE	ug/L			<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	**0.035**	<0.096	<0.20	<0.19	<0.20	**0.0092**	<0.095	<0.095	**1.0**	**23**
	HEPTACHLOR	ug/L	0.4	0.4	<0.0095	<0.0096	<0.020	<0.019	<0.020	<0.0095	<0.0095	<0.0095	<0.0096	<0.0099
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0048	<0.0048	<0.010	**0.037J+**	**0.032**	<0.0047	<0.0048	<0.0048	<0.0048	<0.0049
	METHOXYCHLOR	ug/L	40	40	<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	TOXAPHENE	ug/L	3	3	<4.8	<4.8	<10	<9.7	<9.9	<4.7	<4.8	<4.8	<4.8	<4.9
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,1-DICHLOROETHANE	ug/L		2.42	**5.6**	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,1-DICHLOROETHENE	ug/L	7	7	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	1,1-DICHLOROPROPENE	ug/L			<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<10	<2000UJ	<10000	<2000	<400	<10	<10	<2000	<2000
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	<5.0	**180J-**	<5000UJ	**190J**	<200	<5.0	<5.0	<1000	**100**
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,2-DICHLOROBENZENE	ug/L	600	600	**3.9**	<2.0	**2000J-**	**24000**	**28000**	**700**	<2.0UJ	**0.32J**	**2900**	**8200**
	1,2-DICHLOROETHANE	ug/L	5	5	**3.8**	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	<2.0	**71J-**	**1000**	**1400**	**43**	<2.0	<2.0	**120**	**400**
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,4-DICHLOROBENZENE	ug/L	75	75	**4.8**	<2.0	**3100J-**	**28000**	**31000**	**720**	<2.0	<2.0	**4200**	**12000**
	2,2-DICHLOROPROPANE	ug/L			<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	4-CHLOROTOLUENE	ug/L			<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			AA-BW-03A	AA-MW-05	AA-MW-13R	AA-MW-14	AA-MW-14	AA-MW-20	AA-MW-24	AA-MW-24	AA-MW-25	B-01
	Detections **BOLDED**	Date			5/2/2013	4/25/2013	5/6/2013	5/9/2013	5/9/2013	5/8/2013	4/26/2013	4/26/2013	5/7/2013	5/6/2013
		Sample Purpose			REG	REG	REG	FD	REG	REG	FD	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**0.72**	<2.0	**81000J-**	**2000**	**2300**	**20000**	**0.38**	**0.44**	**42000**	**16000**
	BROMOBENZENE	ug/L		87.6	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	BROMOCHLOROMETHANE	ug/L			<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	BROMOFORM	ug/L	80	8.51	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	BROMOMETHANE	ug/L		8.66	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	CARBON TETRACHLORIDE	ug/L	5	5	<1.0	<1.0	<200UJ	**300**	**310**	<40	**1.5**	**1.0**	<200	<200
	CHLOROBENZENE	ug/L	100	100	**410**	<2.0	**26000J-**	**150000**	**170000**	**17000**	<2.0	<2.0	**63000**	**88000**
	CHLOROETHANE	ug/L		23.2	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	CHLOROFORM	ug/L	80	0.193	**1.2J**	<2.0	<400UJ	<2000UJ	**110J**	**7300**	**140J**	**64J**	**29000**	**14000**
	CHLOROMETHANE	ug/L		2.70	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	DIBROMOMETHANE	ug/L		8.16	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<5.0	<1000UJ	<5000	<1000	<200UJ	<5.0	<5.0	<1000	<1000
	DIMETHYL DISULFIDE	ug/L			<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0UJ	<2.0UJ	<400	<400
	ETHYLBENZENE	ug/L	700	700	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0UJ	<5.0	<1000UJ	<5000UJ	<1000	<200UJ	<5.0UJ	<5.0UJ	<1000UJ	<1000UJ
	ISOPROPYLBENZENE	ug/L		679	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	M,P-XYLENES	ug/L	10000	1220	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	METHYLENE CHLORIDE	ug/L	5	5	<2.0	<2.0	<400UJ	<2000	<400	**53**	<2.0	<2.0	**730**	<400
	NAPHTHALENE	ug/L		0.143	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	N-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	N-PROPYLBENZENE	ug/L		254	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	O-XYLENE	ug/L	10000	1217	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	STYRENE	ug/L	100	100	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	TETRACHLOROETHENE	ug/L	5	5	**0.69**	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TOLUENE	ug/L	1000	1000	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TRICHLOROETHENE	ug/L	5	5	**0.26**	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	VINYL CHLORIDE	ug/L	2	2	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			B-16	EC-03	EC-04	EC-07	EC-10	H-11	H-49A	H-55	M-007B	M-057A
		Date			4/23/2013	5/7/2013	4/26/2013	5/13/2013	5/1/2013	4/25/2013	5/2/2013	4/26/2013	5/1/2013	4/25/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES	2,4'-DDD	ug/L			<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096UJ	<0.095	<0.097
	2,4'-DDE	ug/L			<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	2,4'-DDT	ug/L			<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	4,4'-DDD	ug/L		0.280	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	4,4'-DDE	ug/L		0.198	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096UJ	<0.095	<0.097
	4,4'-DDT	ug/L		0.198	<0.11	<0.098	<0.098	**1.3**	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	ALDRIN	ug/L		0.00395	<0.0055	<0.0049	<0.0049	<0.025	<0.0048	<0.048UJ	<0.0047	<0.0048	<0.0047	<0.0048
	ALPHA-BHC	ug/L		10.95	<0.0055	**370**	<0.0049	**12**	**0.034**	<0.048UJ	**3.7**	**0.051**	**0.012**	<0.0048
	BETA-BHC	ug/L		2.19	<0.011	**70**	<0.0098	**7.1**	**0.17**	<0.096UJ	**5.0**	**0.27**	<0.0095	<0.0097
	CHLORDANE	ug/L	2	2	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	DELTA-BHC	ug/L		11	<0.22	**27**	<0.20	**10**	**0.0034**	<1.9UJ	**2.4**	**0.44**	**0.044**	<0.19
	DIELDRIN	ug/L		0.00420	<0.0055	<0.0049	<0.0049	<0.025	<0.0048	<0.048UJ	<0.0047	<0.0048	<0.0047	<0.0048
	ENDOSULFAN I	ug/L		219	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	ENDOSULFAN II	ug/L		219	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	ENDOSULFAN SULFATE	ug/L			<0.22	<0.20	<0.20	<0.99	<0.19	<1.9UJ	<0.19	<0.19	<0.19	<0.19
	ENDRIN	ug/L	2	2	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	ENDRIN ALDEHYDE	ug/L			<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	ENDRIN KETONE	ug/L			<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.11	**150**	<0.098	**0.96**	**0.0066**	<0.96UJ	**0.093**	<0.096	**0.12**	<0.097
	HEPTACHLOR	ug/L	0.4	0.4	<0.011	<0.0098	<0.0098	<0.050	<0.0096	<0.096UJ	<0.0094	<0.0096	<0.0095	<0.0097
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0055	<0.0049	<0.0049	<0.025	<0.0048	<0.048UJ	<0.0047	<0.0048	<0.0047	<0.0048
	METHOXYCHLOR	ug/L	40	40	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	TOXAPHENE	ug/L	3	3	<5.5	<4.9	<4.9	<25	<4.8	<48UJ	<4.7	<4.8	<4.7	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,1-DICHLOROETHANE	ug/L		2.42	<4.0	<1000	<2.0	<800	<2.0	<2.0	**4.6**	<2.0	**1.6**	<4.0
	1,1-DICHLOROETHENE	ug/L	7	7	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	1,1-DICHLOROPROPENE	ug/L			<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,2,3-TRICHLOROBENZENE	ug/L			<10	<2500	<5.0	<2000	**2.4**	<5.0	**4.8**	<5.0	<5.0	<10
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<20	<5000	<10	<4000	<10	<10	<10	<10	<10	<20
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<10	<2500	<5.0	<2000	**13**	<5.0	**20**	<5.0	<5.0	<10
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<4.0	<1000	<2.0UJ	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	1,2-DIBROMOETHANE	ug/L		0.05	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,2-DICHLOROBENZENE	ug/L	600	600	**100**	<1000	<2.0	<800	<2.0	<2.0	**24**	<2.0	<2.0	<4.0
	1,2-DICHLOROETHANE	ug/L	5	5	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	**1.1**	<4.0
	1,2-DICHLOROPROPANE	ug/L	5	5	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,3-DICHLOROBENZENE	ug/L		86.7	**4.4**	<1000	<2.0	<800	<2.0	<2.0	**1.5**	<2.0	<2.0	<4.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,4-DICHLOROBENZENE	ug/L	75	75	**110**	<1000	<2.0	<800	<2.0	<2.0	**36**	<2.0	<2.0	<4.0
	2,2-DICHLOROPROPANE	ug/L			<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	2-CHLOROTOLUENE	ug/L		91.3	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	4-CHLOROTOLUENE	ug/L			<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			B-16	EC-03	EC-04	EC-07	EC-10	H-11	H-49A	H-55	M-007B	M-057A
	Detections **BOLDED**	Date			4/23/2013	5/7/2013	4/26/2013	5/13/2013	5/1/2013	4/25/2013	5/2/2013	4/26/2013	5/1/2013	4/25/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**1.2**	**380000**	<2.0	**390000**	<2.0	**0.60**	**2.4**	<2.0	<2.0	<4.0
	BROMOBENZENE	ug/L		87.6	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	BROMOCHLOROMETHANE	ug/L			<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	BROMODICHLOROMETHANE	ug/L	80	0.117	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	BROMOFORM	ug/L	80	8.51	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	BROMOMETHANE	ug/L		8.66	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	CARBON TETRACHLORIDE	ug/L	5	5	<2.0	**150J+**	<1.0	<400	<1.0	<1.0	<1.0	<1.0	<1.0	**4.1J+**
	CHLOROBENZENE	ug/L	100	100	**780**	**13000**	<2.0	**51000**	<2.0	**2.1**	**280**	<2.0	<2.0	<4.0
	CHLOROETHANE	ug/L		23.2	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	CHLOROFORM	ug/L	80	0.193	<4.0	**5200**	**25**	**1700**	<2.0	<2.0	**0.56J**	<2.0	**2.1**	**510**
	CHLOROMETHANE	ug/L		2.70	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	DIBROMOMETHANE	ug/L		8.16	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	DIMETHYL DISULFIDE	ug/L			<4.0	<1000	<2.0UJ	<800	<2.0	<2.0	<2.0	<2.0UJ	<2.0	<4.0
	ETHYLBENZENE	ug/L	700	700	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	HEXACHLOROBUTADIENE	ug/L		0.862	<10	<2500UJ	<5.0UJ	<2000	<5.0UJ	<5.0	<5.0UJ	<5.0	<5.0	<10
	ISOPROPYLBENZENE	ug/L		679	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	M,P-XYLENES	ug/L	10000	1220	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	METHYLENE CHLORIDE	ug/L	5	5	<4.0	<1000	<2.0	**390**	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	NAPHTHALENE	ug/L		0.143	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	N-BUTYLBENZENE	ug/L		254	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	N-PROPYLBENZENE	ug/L		254	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	O-XYLENE	ug/L	10000	1217	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	P-ISOPROPYL TOLUENE	ug/L		834	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	SEC-BUTYLBENZENE	ug/L		254	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	STYRENE	ug/L	100	100	<4.0	<1000	<2.0UJ	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	TERT- BUTYLBENZENE	ug/L		254	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	TETRACHLOROETHENE	ug/L	5	5	<4.0	**220**	<2.0	<800	<2.0	<2.0	**0.62**	<2.0	<2.0	<4.0
	TOLUENE	ug/L	1000	1000	<4.0	<1000	<2.0	**320**	<2.0	**0.51**	<2.0	<2.0	<2.0	<4.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	TRICHLOROETHENE	ug/L	5	5	<4.0	<1000	<2.0	<800	<2.0	<2.0	**2.9**	<2.0	<2.0	**1.0**
	TRICHLOROFLUOROMETHANE	ug/L		1288	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	VINYL CHLORIDE	ug/L	2	2	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	**34000**	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	**19000**	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	**26000**	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	**6300**	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	**16000**	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			M-092	M-125	M-142	MC-09R	MC-111	MC-113	MC-114	MC-47	MC-48	MC-49
	Detections **BOLDED**	Date			5/1/2013	4/24/2013	4/24/2013	4/30/2013	5/1/2013	4/18/2013	4/18/2013	4/16/2013	4/16/2013	4/16/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
PESTICIDES	2,4'-DDD	ug/L			<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	2,4'-DDE	ug/L			<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	2,4'-DDT	ug/L			<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	4,4'-DDD	ug/L		0.280	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	4,4'-DDE	ug/L		0.198	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	4,4'-DDT	ug/L		0.198	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	ALDRIN	ug/L		0.00395	<0.0049	<0.0052	<0.0048	<0.0095	<0.0048	<0.0047	<0.0094	<0.0047	<0.024	<0.023
	ALPHA-BHC	ug/L		10.95	<0.0049	**0.089**	<0.0048	**0.20**	**0.0037**	**1.6**	**0.69**	**0.18**	**0.85**	**3.3**
	BETA-BHC	ug/L		2.19	<0.0098	<0.010	<0.0096	**5.9**	<0.0096	**7.3**	**3.8**	**1.4**	**3.2**	**4.7**
	CHLORDANE	ug/L	2	2	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	DELTA-BHC	ug/L		11	<0.20	**0.047**	<0.19	**1.1**	**0.054**	**0.28**	**1.3**	**0.73**	**0.29**	**0.77**
	DIELDRIN	ug/L		0.00420	<0.0049	<0.0052	<0.0048	<0.0095	<0.0048	<0.0047	<0.0094	<0.0047	<0.024	<0.023
	ENDOSULFAN I	ug/L		219	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	ENDOSULFAN II	ug/L		219	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	ENDOSULFAN SULFATE	ug/L			<0.20	<0.21	<0.19	<0.38	<0.19	<0.19	<0.19	<0.19	<0.94	<0.94
	ENDRIN	ug/L	2	2	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	ENDRIN ALDEHYDE	ug/L			<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	ENDRIN KETONE	ug/L			<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.098	**0.049**	<0.096	**0.015**	**0.021**	**0.025**	**0.023**	**0.0075**	<0.094	**0.0033**
	HEPTACHLOR	ug/L	0.4	0.4	<0.0098	<0.010	<0.0096	<0.019	<0.0096	<0.0095	<0.019	<0.0095	<0.047	<0.047
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0049	<0.0052	<0.0048	<0.0095	<0.0048	<0.0047	<0.0094	<0.0047	<0.024	<0.023
	METHOXYCHLOR	ug/L	40	40	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	TOXAPHENE	ug/L	3	3	<4.9	<5.2	<4.8	<9.5	<4.8	<4.7	<9.4	<4.7	<24	<23
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,1-DICHLOROETHANE	ug/L		2.42	<2.0	<80	<2.0	<2.0	**0.96**	<2	**1.5**	<2	<2	**2.8**
	1,1-DICHLOROETHENE	ug/L	7	7	**7**	<200	**0.97**	<5.0	<5.0	<5	<5	<5	<5	<5
	1,1-DICHLOROPROPENE	ug/L			<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	<200	<5.0	**0.55**	<5.0	**2.2**	**0.99**	<5	<5	**2.0**
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<400	<10	<10	<10	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	<200	<5.0	<5.0	<5.0	**5.6**	**1.2**	<5	<5	**8.9**
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,2-DICHLOROBENZENE	ug/L	600	600	<2.0	<80	<2.0	<2.0	<2.0	**3**	**0.74**	<2	<2	**23**
	1,2-DICHLOROETHANE	ug/L	5	5	<2.0	<80	<2.0	<2.0	<2.0	<2	**0.33**	<2	<2	**0.66**
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	**1.0**
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,4-DICHLOROBENZENE	ug/L	75	75	<2.0	**18**	<2.0	<2.0	<2.0	**4.6**	**0.88**	<2	**0.54**	**35**
	2,2-DICHLOROPROPANE	ug/L			<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	4-CHLOROTOLUENE	ug/L			<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			M-092	M-125	M-142	MC-09R	MC-111	MC-113	MC-114	MC-47	MC-48	MC-49
	Detections **BOLDED**	Date			5/1/2013	4/24/2013	4/24/2013	4/30/2013	5/1/2013	4/18/2013	4/18/2013	4/16/2013	4/16/2013	4/16/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	<2.0	**4000**	<2.0	<2.0	<2.0	**1.4**	<2	<2	<2	**0.87**
	BROMOBENZENE	ug/L		87.6	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	BROMOCHLOROMETHANE	ug/L			<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	BROMOFORM	ug/L	80	8.51	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	BROMOMETHANE	ug/L		8.66	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	CARBON TETRACHLORIDE	ug/L	5	5	**0.54**	**39**	**0.74**	<1.0	<1.0	<1	<1	<1	<1	<1
	CHLOROBENZENE	ug/L	100	100	**0.71**	**13000**	<2.0	<2.0	<2.0	**12**	<2	<2	**3.8**	**270**
	CHLOROETHANE	ug/L		23.2	<5.0	<200	<5.0	<5.0	<5.0	<5	**0.75**	<5	<5	<5
	CHLOROFORM	ug/L	80	0.193	**27**	**16000**	**53**	**0.82**	**0.82**	**0.39**	**1.5**	**9.1**	<2	<2
	CHLOROMETHANE	ug/L		2.70	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	DIBROMOMETHANE	ug/L		8.16	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	DIMETHYL DISULFIDE	ug/L			<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	ETHYLBENZENE	ug/L	700	700	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0	<200UJ	<5.0UJ	<5.0UJ	<5.0	<5	<5	<5	<5	<5
	ISOPROPYLBENZENE	ug/L		679	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	M,P-XYLENES	ug/L	10000	1220	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	METHYLENE CHLORIDE	ug/L	5	5	<2.0	<80	**1.5J**	<2.0	<2.0	<2	<2	<2	<2	<2
	NAPHTHALENE	ug/L		0.143	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	**0.61**
	N-BUTYLBENZENE	ug/L		254	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	N-PROPYLBENZENE	ug/L		254	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	O-XYLENE	ug/L	10000	1217	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	STYRENE	ug/L	100	100	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	**0.42**
	TETRACHLOROETHENE	ug/L	5	5	<2.0	<80	<2.0	<2.0	<2.0	<2	**1.2**	<2	<2	<2
	TOLUENE	ug/L	1000	1000	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	TRICHLOROETHENE	ug/L	5	5	**3.6**	<80	**2.1**	<2.0	<2.0	<2	**0.59**	<2	<2	**0.86**
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	**59**	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	VINYL CHLORIDE	ug/L	2	2	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			MC-50	MC-53	MW-01	MW-02	MW-03	MW-04	MW-AHX	MW-A-J	MW-A-J	MW-R
		Date			4/16/2013	4/18/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/25/2013	5/3/2013	5/3/2013	4/23/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	FD	REG	REG
		Sampling Event			TRANSECT	TRANSECT	CP	CP	CP	CP	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES	2,4'-DDD	ug/L			<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	2,4'-DDE	ug/L			<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	2,4'-DDT	ug/L			<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	4,4'-DDD	ug/L		0.280	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	4,4'-DDE	ug/L		0.198	<0.47	<0.095	<0.096	**0.0039**	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	4,4'-DDT	ug/L		0.198	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	ALDRIN	ug/L		0.00395	<0.023	<0.0047	<0.0048	<0.0048	<0.0048	<0.0048	<0.0047	<0.0048	<0.0048	<0.0051
	ALPHA-BHC	ug/L		10.95	**1.4**	**0.49**	<0.0048	**0.091**	**0.56**	**0.0032**	**0.0069**	**0.48**	**0.44**	**0.26**
	BETA-BHC	ug/L		2.19	**11**	**1.2**	<0.0096	<0.0097	**0.46**	<0.0096	**0.48**	**1.4**	**1.3**	**0.92**
	CHLORDANE	ug/L	2	2	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	DELTA-BHC	ug/L		11	**0.45**	**0.30**	<0.19	<0.19	<0.19	<0.19	**0.013**	**2.6**	**2.5**	**1.1**
	DIELDRIN	ug/L		0.00420	**0.014**	<0.0047	<0.0048	<0.0048	<0.0048	<0.0048	<0.0047	<0.0048	<0.0048	<0.0051
	ENDOSULFAN I	ug/L		219	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	ENDOSULFAN II	ug/L		219	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	ENDOSULFAN SULFATE	ug/L			<0.94	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.20
	ENDRIN	ug/L	2	2	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	ENDRIN ALDEHYDE	ug/L			<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	**0.0048**	**0.0047**	**0.0087**
	ENDRIN KETONE	ug/L			<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	**0.14**	**0.012**	<0.096	**0.020**	**0.42**	<0.096	**0.0087**	<0.095	<0.095	**0.011**
	HEPTACHLOR	ug/L	0.4	0.4	<0.047	<0.0095	<0.0096	<0.0097	<0.0095	<0.0096	<0.0095	<0.0095	<0.0095	<0.010
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.023	<0.0047	<0.0048	<0.0048	<0.0048	<0.0048	<0.0047	<0.0048	<0.0048	<0.0051
	METHOXYCHLOR	ug/L	40	40	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	TOXAPHENE	ug/L	3	3	<23	<4.7	<4.8	<4.8	<4.8	<4.8	<4.7	<4.8	<4.8	<5.1
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	ug/L		2.42	<8	<2	<2.0	<800	<200	<10	<2.0	**1.0**	**0.96**	<2.0
	1,1-DICHLOROETHENE	ug/L	7	7	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	ug/L			<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	ug/L			**1.3**	<5	<5.0	<2000	<500	<25	<5.0	**1.2**	**1.2**	**0.51**
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<40	<10	<10	<4000	<1000	<50	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	**5.6**	<5	<5.0	<2000	**81**	<25	<5.0	**5.0**	**4.9**	**1.3**
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	ug/L		0.05	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	ug/L	600	600	**1.7**	<2	<2.0	<800	**25000**	**80**	<2.0	**4.6**	**4.5**	<2.0
	1,2-DICHLOROETHANE	ug/L	5	5	<8	<2	<2.0	<800	<200	<10	<2.0	**0.37**	**0.32**	<2.0
	1,2-DICHLOROPROPANE	ug/L	5	5	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	ug/L		86.7	<8	<2	<2.0	<800	**1400**	**3.2**	<2.0	**0.38J**	<2.0UJ	<2.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	ug/L	75	75	**2.9**	<2	<2.0	<800	**26000**	**73**	<2.0	**6.5**	**6.1**	<2.0
	2,2-DICHLOROPROPANE	ug/L			<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	ug/L		91.3	<20	<5	<5.0	<2000	**31**	<25	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	ug/L			<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			MC-50	MC-53	MW-01	MW-02	MW-03	MW-04	MW-AHX	MW-A-J	MW-A-J	MW-R
	Detections **BOLDED**	Date			4/16/2013	4/18/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/25/2013	5/3/2013	5/3/2013	4/23/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	FD	REG	REG
		Sampling Event			TRANSECT	TRANSECT	CP	CP	CP	CP	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**520**	<2	<2.0	**2100**	**1100**	**9.2**	<2.0	<2.0	<2.0	<2.0
	BROMOBENZENE	ug/L		87.6	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	ug/L			<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	ug/L	80	0.117	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	BROMOFORM	ug/L	80	8.51	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	ug/L		8.66	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	ug/L	5	5	<4	<1	<1.0	**300**	<100	**5.8**	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	ug/L	100	100	**140**	<2	<2.0	**3100**	**21000**	**78**	<2.0	<2.0	<2.0	<2.0
	CHLOROETHANE	ug/L		23.2	<20	**0.82**	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	CHLOROFORM	ug/L	80	0.193	**1.8**	**1.8**	**3.2**	**120000**	**38000**	**2800**	**130**	**1.1J**	**1.1J**	**0.98**
	CHLOROMETHANE	ug/L		2.70	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	ug/L		8.16	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	DIMETHYL DISULFIDE	ug/L			<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	ETHYLBENZENE	ug/L	700	700	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	ug/L		0.862	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0UJ	<5.0UJ	<5.0
	ISOPROPYLBENZENE	ug/L		679	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENES	ug/L	10000	1220	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	ug/L	5	5	<8	<2	**1.1**	**690**	<80	**8.2**	<2.0	<2.0	<2.0	<2.0
	NAPHTHALENE	ug/L		0.143	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	N-BUTYLBENZENE	ug/L		254	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	ug/L		254	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	ug/L	10000	1217	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	ug/L		834	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	ug/L		254	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	STYRENE	ug/L	100	100	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	ug/L		254	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	ug/L	5	5	<8	**0.64**	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TOLUENE	ug/L	1000	1000	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	ug/L	5	5	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TRICHLOROFLUOROMETHANE	ug/L		1288	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	ug/L	2	2	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			PC-028	PC-031	PC-040	PC-064	PC-067	PC-132	PW-01	WELL-C	WELL-D2	WELL-E3
		Date			4/22/2013	4/22/2013	5/2/2013	4/23/2013	4/23/2013	5/2/2013	5/7/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	EW PERF	EW PERF	EW PERF
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES	2,4'-DDD	ug/L			<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	2,4'-DDE	ug/L			<0.10	<0.21	**0.096**	<0.10	<0.10	**0.17**	<0.095	<0.48	<0.48	<0.49
	2,4'-DDT	ug/L			<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	4,4'-DDD	ug/L		0.280	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	4,4'-DDE	ug/L		0.198	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	4,4'-DDT	ug/L		0.198	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	ALDRIN	ug/L		0.00395	<0.0052	<0.010	<0.0047	<0.0051	<0.0051	<0.0048	<0.0047	<0.024	<0.024	<0.024
	ALPHA-BHC	ug/L		10.95	**0.0055J**	**0.37J+**	**2.6**	**0.014**	**0.088**	**0.43**	**3.5**	**0.18**	**4.3**	**4.5**
	BETA-BHC	ug/L		2.19	<0.010	**6.3**	**0.43**	<0.010	<0.010	**3.2**	**0.55**	**3.9**	**17**	**17**
	CHLORDANE	ug/L	2	2	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	DELTA-BHC	ug/L		11	<0.21	**1.0**	**1.7**	<0.20	<0.20	**1.4**	**0.34**	**2.1**	**3.3**	**2.4**
	DIELDRIN	ug/L		0.00420	<0.0052	<0.010	<0.0047	<0.0051	<0.0051	<0.0048	<0.0047	<0.024	<0.024	<0.024
	ENDOSULFAN I	ug/L		219	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	ENDOSULFAN II	ug/L		219	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	ENDOSULFAN SULFATE	ug/L			<0.21	<0.42	<0.19	<0.20	<0.20	<0.19	<0.19	<0.96	<0.95	<0.97
	ENDRIN	ug/L	2	2	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	ENDRIN ALDEHYDE	ug/L			<0.10	<0.21	<0.094	<0.10	<0.10	**0.0037**	<0.095	<0.48	<0.48	<0.49
	ENDRIN KETONE	ug/L			<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.10	**0.0088J**	**0.13**	**0.0048**	**0.025**	**0.010J**	**2.1**	<0.48	<0.48	<0.49
	HEPTACHLOR	ug/L	0.4	0.4	<0.010	<0.021	<0.0094	<0.010	<0.010	<0.0095	<0.0095	<0.048	<0.048	<0.049
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0052	<0.010	<0.0047	<0.0051	<0.0051	<0.0048	<0.0047	<0.024	<0.024	<0.024
	METHOXYCHLOR	ug/L	40	40	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	**0.02**	<0.49
	TOXAPHENE	ug/L	3	3	<5.2	<10	<4.7	<5.1	<5.1	<4.8	<4.7	<24	<24	<24
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,1-DICHLOROETHANE	ug/L		2.42	<2.0	**1.7**	**3.3**	<2.0	<8.0	**1.8**	<200	**0.98**	**16**	**7.6**
	1,1-DICHLOROETHENE	ug/L	7	7	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	**1.8**	**0.81**
	1,1-DICHLOROPROPENE	ug/L			<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	**1.5**	**3.4**	<5.0	<20	**1.2**	**34**	**1.0**	**22**	**18**
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<10	<10	<10	<40	<10	<1000	<10	<20	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	**16**	**14**	<5.0	<20	**4.9**	**120**	**3.1**	**79**	**79**
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,2-DICHLOROBENZENE	ug/L	600	600	<2.0	**10**	**16**	**1.4**	<8.0	**2.9**	**13000**	**1.2**	**400**	**100**
	1,2-DICHLOROETHANE	ug/L	5	5	<2.0	**0.45**	<2.0	<2.0	<8.0	<2.0	<200	<2	**3.9**	**3.5**
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	**1.1**	**1.2**	**2.1**	<8.0	**1.8**	**660**	<2	**18**	**7.0**
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,4-DICHLOROBENZENE	ug/L	75	75	<2.0	**16**	**23**	**1.1**	<8.0	**3.0**	**12000**	**1.9**	**590**	**160**
	2,2-DICHLOROPROPANE	ug/L			<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	4-CHLOROTOLUENE	ug/L			<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			PC-028	PC-031	PC-040	PC-064	PC-067	PC-132	PW-01	WELL-C	WELL-D2	WELL-E3
	Detections **BOLDED**	Date			4/22/2013	4/22/2013	5/2/2013	4/23/2013	4/23/2013	5/2/2013	5/7/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	EW PERF	EW PERF	EW PERF
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	<2.0	<2.0	**1.2**	<2.0	<8.0	<2.0	**3100**	<2	**26**	**68**
	BROMOBENZENE	ug/L		87.6	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	BROMOCHLOROMETHANE	ug/L			<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	BROMOFORM	ug/L	80	8.51	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	BROMOMETHANE	ug/L		8.66	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	CARBON TETRACHLORIDE	ug/L	5	5	**2.8**	<1.0	<1.0	<1.0	**6.9**	<1.0	**940J+**	<1	<2	<1
	CHLOROBENZENE	ug/L	100	100	<2.0	**0.50**	**94**	<2.0	<8.0	<2.0	**13000J-**	<2	**610**	**2300**
	CHLOROETHANE	ug/L		23.2	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	CHLOROFORM	ug/L	80	0.193	**73**	**0.96**	**0.98J**	**3.1**	**810**	**0.44J**	**40000J+**	**1.3**	**2.5**	**2.2**
	CHLOROMETHANE	ug/L		2.70	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	**1.4**	**0.54**
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	DIBROMOMETHANE	ug/L		8.16	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	DIMETHYL DISULFIDE	ug/L			<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	**1.8**
	ETHYLBENZENE	ug/L	700	700	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500UJ	<5	<10	<5
	ISOPROPYLBENZENE	ug/L		679	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	M,P-XYLENES	ug/L	10000	1220	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	METHYLENE CHLORIDE	ug/L	5	5	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	**3.4**	**1.3**
	NAPHTHALENE	ug/L		0.143	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	N-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	N-PROPYLBENZENE	ug/L		254	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	O-XYLENE	ug/L	10000	1217	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	STYRENE	ug/L	100	100	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	**0.45**
	TETRACHLOROETHENE	ug/L	5	5	**0.91**	<2.0	**1.4**	**1.8**	**15**	<2.0	<200	<2	<4	<2
	TOLUENE	ug/L	1000	1000	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	**0.64**
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	TRICHLOROETHENE	ug/L	5	5	**0.61**	<2.0	**1.7**	**1.4**	<8.0	**1.2**	<200	<2	**120**	**50**
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	VINYL CHLORIDE	ug/L	2	2	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			WELL-F	WELL-G	WELL-H2	WELL-I	WELL-J	WELL-K2	WELL-L	WELL-M2	WELL-N	WELL-O
		Date			4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES	2,4'-DDD	ug/L			<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	2,4'-DDE	ug/L			<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	2,4'-DDT	ug/L			<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	4,4'-DDD	ug/L		0.280	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	4,4'-DDE	ug/L		0.198	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	4,4'-DDT	ug/L		0.198	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	ALDRIN	ug/L		0.00395	<0.024	<0.024	<0.023	<0.0047	<0.024	<0.0094	<0.024	<0.0094	<0.024	<0.024
	ALPHA-BHC	ug/L		10.95	**11**	**12**	**97**	**1.5**	**3.9**	**130**	**4.6**	**8.6**	**3.4**	**16**
	BETA-BHC	ug/L		2.19	**34**	**19**	**42**	**0.22**	**14**	**28**	**27**	**8.1**	**15**	**38**
	CHLORDANE	ug/L	2	2	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	**1.5**
	DELTA-BHC	ug/L		11	**2.2**	**2.7**	**3.6**	**1.4**	**2.2**	**5**	**1.7**	**4.9**	**2.1**	**2.1**
	DIELDRIN	ug/L		0.00420	<0.024	**0.066**	**0.27**	<0.0047	<0.024	<0.0094	<0.024	<0.0094	<0.024	<0.024
	ENDOSULFAN I	ug/L		219	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	ENDOSULFAN II	ug/L		219	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	ENDOSULFAN SULFATE	ug/L			<0.97	<0.94	<0.94	<0.19	<0.95	<0.38	<0.97	<0.19	<0.95	<0.96
	ENDRIN	ug/L	2	2	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	ENDRIN ALDEHYDE	ug/L			<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	ENDRIN KETONE	ug/L			<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	**0.063**	**0.38**	**1.4**	<0.095	<0.48	**2.6**	<0.49	<0.19	<0.48	**0.21**
	HEPTACHLOR	ug/L	0.4	0.4	<0.049	<0.047	<0.047	<0.0095	<0.048	<0.019	<0.049	<0.019	<0.048	<0.048
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.024	<0.024	<0.023	<0.0047	<0.024	<0.0094	<0.024	<0.0094	<0.024	<0.024
	METHOXYCHLOR	ug/L	40	40	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	TOXAPHENE	ug/L	3	3	<24	<24	<23	<4.7	<24	<9.4	<24	<9.4	<24	**10**
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,1-DICHLOROETHANE	ug/L		2.42	<200	<100	<400	**35**	**9.5**	**140**	**8.3**	**130**	**8.3**	<80
	1,1-DICHLOROETHENE	ug/L	7	7	<500	<250	<1000	<25	**0.49**	<500	<100	<250	**0.78**	<200
	1,1-DICHLOROPROPENE	ug/L			<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,2,3-TRICHLOROBENZENE	ug/L			**33**	**39**	**79**	<25	**18**	<500	**23**	<250	**11**	**52**
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<1000	<500	<2000	<50	<10	<1000	<200	<500	<10	<400
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	**160**	**180**	**340**	**2.7**	**90**	**110**	**150**	**53**	**56**	**200**
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	1,2-DIBROMOETHANE	ug/L		0.05	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,2-DICHLOROBENZENE	ug/L	600	600	**200**	**1500**	**1200**	**31**	**110**	**480**	**90**	**320**	**230**	**870**
	1,2-DICHLOROETHANE	ug/L	5	5	<200	<100	<400	**16**	**3.8**	<200	**12**	<100	**2**	**14**
	1,2-DICHLOROPROPANE	ug/L	5	5	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,3-DICHLOROBENZENE	ug/L		86.7	<200	**90**	**77**	<10	**6.2**	<200	**13**	<100	**10**	**59**
	1,3-DICHLOROPROPANE	ug/L		8.25	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,4-DICHLOROBENZENE	ug/L	75	75	**310**	**2700**	**2100**	**38**	**160**	**820**	**160**	**510**	**300**	**1300**
	2,2-DICHLOROPROPANE	ug/L			<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	2-CHLOROTOLUENE	ug/L		91.3	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	4-CHLOROTOLUENE	ug/L			<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			WELL-F	WELL-G	WELL-H2	WELL-I	WELL-J	WELL-K2	WELL-L	WELL-M2	WELL-N	WELL-O
	Detections **BOLDED**	Date			4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**14000**	**25000**	**50000**	**27**	**5.9**	**14000**	**10000**	**5300**	**3.9**	**5700**
	BROMOBENZENE	ug/L		87.6	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	BROMOCHLOROMETHANE	ug/L			<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	BROMODICHLOROMETHANE	ug/L	80	0.117	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	BROMOFORM	ug/L	80	8.51	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	BROMOMETHANE	ug/L		8.66	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	CARBON TETRACHLORIDE	ug/L	5	5	<100	<50	<200	<5	<1	<100	<20	<50	<1	<40
	CHLOROBENZENE	ug/L	100	100	**8000**	**33000**	**51000**	**2300**	**410**	**17000**	**11000**	**11000**	**100**	**15000**
	CHLOROETHANE	ug/L		23.2	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	CHLOROFORM	ug/L	80	0.193	<200	**200**	**310**	**1.7**	**0.74**	**35**	<40	<100	**0.74**	**310**
	CHLOROMETHANE	ug/L		2.70	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<200	<100	<400	<10	<2	<200	<40	<100	**0.59**	<80
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	DIBROMOMETHANE	ug/L		8.16	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	DICHLORODIFLUOROMETHANE	ug/L		395	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	DIMETHYL DISULFIDE	ug/L			<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	ETHYLBENZENE	ug/L	700	700	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	HEXACHLOROBUTADIENE	ug/L		0.862	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	ISOPROPYLBENZENE	ug/L		679	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	M,P-XYLENES	ug/L	10000	1220	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	METHYLENE CHLORIDE	ug/L	5	5	<200	<100	<400	<10	<2	<200	**44**	<100	<2	<80
	NAPHTHALENE	ug/L		0.143	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	N-BUTYLBENZENE	ug/L		254	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	N-PROPYLBENZENE	ug/L		254	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	O-XYLENE	ug/L	10000	1217	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	P-ISOPROPYL TOLUENE	ug/L		834	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	SEC-BUTYLBENZENE	ug/L		254	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	STYRENE	ug/L	100	100	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	TERT- BUTYLBENZENE	ug/L		254	<500	<250	<1000	<25	**0.38**	<500	<100	<250	<5	<200
	TETRACHLOROETHENE	ug/L	5	5	<200	**22**	**130**	**1.7**	<2	<200	<40	<100	<2	<80
	TOLUENE	ug/L	1000	1000	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	TRICHLOROETHENE	ug/L	5	5	**32**	<100	**55**	**48**	**13**	**46**	**35**	**82**	**35**	**12**
	TRICHLOROFLUOROMETHANE	ug/L		1288	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	VINYL CHLORIDE	ug/L	2	2	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			WELL-P	WELL-Q	WELL-R	AGX-90	CP-01	DPT-01	EC-12	EC-13	EC-14	M-136
		Date			4/19/2013	4/19/2013	4/19/2013	5/8/2013	4/23/2013	5/6/2013	4/23/2013	5/8/2013	4/24/2013	4/25/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	EW PERF	EW PERF	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES	2,4'-DDD	ug/L			<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	2,4'-DDE	ug/L			<0.48	<0.095	<0.48	<0.10	<0.098	**0.035**	<0.10	<0.095	<0.10	<0.097
	2,4'-DDT	ug/L			<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	4,4'-DDD	ug/L		0.280	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	**0.015**	<0.097
	4,4'-DDE	ug/L		0.198	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	4,4'-DDT	ug/L		0.198	<0.48	<0.095	<0.48	<0.10	<0.098	**0.033**	<0.10	<0.48	**0.022**	<0.097
	ALDRIN	ug/L		0.00395	<0.024	<0.0048	<0.024	<0.0050	<0.0049	<0.0048	<0.0052	<0.0048	<0.0052	<0.0048
	ALPHA-BHC	ug/L		10.95	**2.4**	**3.6**	**4.0**	**0.010**	**0.066**	**4.8**	**0.0058**	**5.3**	<0.0052	<0.0048
	BETA-BHC	ug/L		2.19	**7.8**	**9.5**	**11**	<0.010	**0.051**	**1.1**	**0.012**	**1.2**	**0.0051**	<0.0097
	CHLORDANE	ug/L	2	2	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	DELTA-BHC	ug/L		11	**3.5**	**3.3**	**2.7**	<0.20	**0.019**	<0.19	<0.21	**0.63**	<0.21	<0.19
	DIELDRIN	ug/L		0.00420	<0.024	<0.0048	<0.024	<0.0050	<0.0049	<0.0048	<0.0052	<0.0048	<0.0052	<0.0048
	ENDOSULFAN I	ug/L		219	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	ENDOSULFAN II	ug/L		219	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	ENDOSULFAN SULFATE	ug/L			<0.96	<0.19	<0.19	<0.20	<0.20	<0.19	<0.21	<0.19	<0.21	<0.19
	ENDRIN	ug/L	2	2	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	ENDRIN ALDEHYDE	ug/L			<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	ENDRIN KETONE	ug/L			<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	**0.026**	**0.048**	<0.48	**0.0039**	**0.016**	**0.84**	**0.0037**	**0.95**	<0.10	<0.097
	HEPTACHLOR	ug/L	0.4	0.4	<0.048	<0.0095	<0.048	<0.010	<0.0098	<0.0096	<0.010	<0.0095	<0.010	<0.0097
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.024	<0.0048	<0.024	<0.0050	<0.0049	<0.0048	<0.0052	<0.0048	<0.0052	<0.0048
	METHOXYCHLOR	ug/L	40	40	<0.48	<0.095	**0.019**	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	TOXAPHENE	ug/L	3	3	<24	<4.8	<24	<5.0	<4.9	<4.8	<5.2	<4.8	<5.2	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	ug/L		2.42	**2.8**	**3.6**	**4.9**	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHENE	ug/L	7	7	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	ug/L			<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	ug/L			**3.3**	**11**	**15**	<5.0	<5.0	<1000	<5.0	**2.0**	<5.0	<5.0
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<10	<10	<10	<10	<2000	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	**21**	**41**	**73**	**<5.0**	**<5.0**	<1000	<5.0	**6.3**	<5.0	<5.0
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	ug/L		0.05	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	ug/L	600	600	**12**	**28**	**52**	<2.0	**6.2**	**6300**	<2.0	**1.7**	**0.41**	<2.0
	1,2-DICHLOROETHANE	ug/L	5	5	**0.85**	**1.1**	**1.8**	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROPROPANE	ug/L	5	5	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	ug/L		86.7	**4.3**	**5.9**	**5.0**	<2.0	**1.3**	**300**	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	ug/L	75	75	**17**	**42**	**72**	**0.41**	**7.8**	**12000**	<2.0	**5.9**	**0.59**	<2.0
	2,2-DICHLOROPROPANE	ug/L			<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	ug/L		91.3	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	ug/L			<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
	EXCEEDS BCL	Location			WELL-P	WELL-Q	WELL-R	AGX-90	CP-01	DPT-01	EC-12	EC-13	EC-14	M-136
	Detections **BOLDED**	Date			4/19/2013	4/19/2013	4/19/2013	5/8/2013	4/23/2013	5/6/2013	4/23/2013	5/8/2013	4/24/2013	4/25/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	EW PERF	EW PERF	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	<2	**3.2**	**3**	**2.1**	<2.0	**12000**	<2.0	**8.3**	<2.0	<2.0
	BROMOBENZENE	ug/L		87.6	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	ug/L			<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	BROMOFORM	ug/L	80	8.51	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	ug/L		8.66	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	ug/L	5	5	<1	<1	<1	<1.0	<1.0	**940**	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	ug/L	100	100	**22**	**180**	**230**	**4.8**	**21**	**99000**	<2.0	**99**	<2.0	**0.58**
	CHLOROETHANE	ug/L		23.2	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	CHLOROFORM	ug/L	80	0.193	<2	<2	**0.38**	<2.0	<2.0	**720**	<2.0	<2.0	<2.0	**13**
	CHLOROMETHANE	ug/L		2.70	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	ug/L		8.16	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<5	<5	<5	<5.0UJ	<5.0	<1000	<5.0	<5.0UJ	<5.0	<5.0
	DIMETHYL DISULFIDE	ug/L			<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	ETHYLBENZENE	ug/L	700	700	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	ug/L		0.862	<5	<5	<5	<5.0UJ	<5.0	<1000UJ	<5.0	<5.0UJ	<5.0UJ	<5.0
	ISOPROPYLBENZENE	ug/L		679	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENES	ug/L	10000	1220	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	ug/L	5	5	<2	<2	<2	<2.0	<2.0	<400	<2.0	**1.0J**	**1.3J**	<2.0
	NAPHTHALENE	ug/L		0.143	**0.72**	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	N-BUTYLBENZENE	ug/L		254	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	ug/L		254	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	ug/L	10000	1217	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	ug/L		834	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	ug/L		254	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	STYRENE	ug/L	100	100	<2	<2	<2	<2.0UJ	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	ug/L		254	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	ug/L	5	5	<2	<2	<2	<2.0	<2.0	<400	<2.0	**0.35**	<2.0	<2.0
	TOLUENE	ug/L	1000	1000	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	ug/L	5	5	**0.65**	**1.6**	**2.4**	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	ug/L	2	2	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
	EXCEEDS BCL	Location			M-149	M-150	MCF-BW-08	MCF-BW-10A	MC-MW-09	MC-MW-10	MC-MW-11	MC-MW-12	MC-MW-15	MC-MW-17
	Detections **BOLDED**	Date			4/24/2013	4/25/2013	5/13/2013	5/13/2013	5/9/2013	5/10/2013	5/7/2013	5/13/2013	5/10/2013	5/6/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
PESTICIDES	2,4'-DDD	ug/L			<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	2,4'-DDE	ug/L			<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	**3.4**	<0.094UJ	**0.036**
	2,4'-DDT	ug/L			<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	**2.6**	<0.094UJ	<0.093
	4,4'-DDD	ug/L		0.280	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	**0.24**	<0.094UJ	**0.01**
	4,4'-DDE	ug/L		0.198	<0.11	<0.10	<1.0	<0.098	**0.0048**	<0.094	<0.095	**9.5**	<0.094UJ	**0.10**
	4,4'-DDT	ug/L		0.198	<0.11	<0.10	<1.0	**0.012J**	**0.012**	<0.094	<0.095	**6.5**	<0.094UJ	<0.093
	ALDRIN	ug/L		0.00395	<0.0055	<0.0052	<0.050	<0.0049	<0.0048	<0.0047	<0.0048	<0.024	<0.0047UJ	<0.0047
	ALPHA-BHC	ug/L		10.95	**0.015**	<0.0052	**870**	**0.0037**	**0.095**	**0.77**	**19**	**1.1**	**1.4**	**0.30**
	BETA-BHC	ug/L		2.19	<0.011	<0.010	**160J-**	<0.0098	**0.086**	<0.0094	**8.0**	**0.56**	<0.0094UJ	<0.0093
	CHLORDANE	ug/L	2	2	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	DELTA-BHC	ug/L		11	**0.0083**	<0.21	**64**	<0.20	<0.19	**0.19**	**3.9**	<0.95	<0.19UJ	<0.19
	DIELDRIN	ug/L		0.00420	<0.0055	<0.0052	<0.050	<0.0049	<0.0048	<0.0047	<0.0048	<0.024	<0.0047UJ	<0.0047
	ENDOSULFAN I	ug/L		219	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	ENDOSULFAN II	ug/L		219	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	ENDOSULFAN SULFATE	ug/L			<0.22	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.95	<0.19UJ	<0.19
	ENDRIN	ug/L	2	2	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	ENDRIN ALDEHYDE	ug/L			<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	ENDRIN KETONE	ug/L			<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.11	<0.10	**280J-**	<0.098	**0.024**	**0.33**	**8.8**	**0.26**	**0.45**	**0.032**
	HEPTACHLOR	ug/L	0.4	0.4	<0.011	<0.010	<0.10	<0.0098	<0.0095	<0.0094	<0.0095	<0.048	<0.0094UJ	<0.0093
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0055	<0.0052	<0.050	<0.0049	<0.0048	<0.0047	<0.0048	**0.20**	<0.0047UJ	<0.0047
	METHOXYCHLOR	ug/L	40	40	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	TOXAPHENE	ug/L	3	3	<5.5	<5.2	<50	<4.9	<4.8	<4.7	<4.8	<24	<4.7UJ	<4.7
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	**64**	<80
	1,1-DICHLOROETHANE	ug/L		2.42	<2.0	<2.0	<400	<2.0	<400	**130**	<400	<400	**610**	<80
	1,1-DICHLOROETHENE	ug/L	7	7	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	1,1-DICHLOROPROPENE	ug/L			<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	<5.0	**71**	<5.0	<1000	**130**	<1000	<1000	<500	<200
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<10	<2000	<10	<2000	<2000	<2000	<2000	<1000	<400
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	<5.0	**910**	<5.0	<1000	<1000	<1000	<1000	<500	<200
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,2-DICHLOROBENZENE	ug/L	600	600	<2.0	<2.0	**1100**	**1.1**	**1200**	**1100**	<400	**4000**	**310**	**520**
	1,2-DICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<400	<2.0	<400	**110**	<400	<400	**370**	<80
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	<2.0	**94**	<2.0	<400	<400	<400	**140**	<200	**28**
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,4-DICHLOROBENZENE	ug/L	75	75	<2.0	<2.0	**1500**	**2.0**	**1500**	**2000**	**130**	**7000**	**460**	**920**
	2,2-DICHLOROPROPANE	ug/L			<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	4-CHLOROTOLUENE	ug/L			<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
	EXCEEDS BCL	Location			M-149	M-150	MCF-BW-08	MCF-BW-10A	MC-MW-09	MC-MW-10	MC-MW-11	MC-MW-12	MC-MW-15	MC-MW-17
	Detections **BOLDED**	Date			4/24/2013	4/25/2013	5/13/2013	5/13/2013	5/9/2013	5/10/2013	5/7/2013	5/13/2013	5/10/2013	5/6/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	<2.0	**0.76**	**5100**	**2.4**	**16000**	**86000**	**13000**	**48000**	**39000**	**1700**
	BROMOBENZENE	ug/L		87.6	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	BROMOCHLOROMETHANE	ug/L			<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	BROMOFORM	ug/L	80	8.51	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	BROMOMETHANE	ug/L		8.66	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	CARBON TETRACHLORIDE	ug/L	5	5	<1.0	<1.0	<200	<1.0	**1400J+**	<200	**150J+**	**1500**	<100	**21**
	CHLOROBENZENE	ug/L	100	100	<2.0	**3.8**	**130000**	**29**	**55000**	**88000**	**55000**	**160000**	**31000**	**12000**
	CHLOROETHANE	ug/L		23.2	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	CHLOROFORM	ug/L	80	0.193	**96**	<2.0	**120**	**3.0**	**2200**	**120000**	<400	**31000**	**57000**	**4000**
	CHLOROMETHANE	ug/L		2.70	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	DIBROMOMETHANE	ug/L		8.16	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<5.0	<1000	<5.0	<1000UJ	<1000	<1000	<1000	<500	<200
	DIMETHYL DISULFIDE	ug/L			<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	ETHYLBENZENE	ug/L	700	700	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0UJ	<5.0	<1000	<5.0	<1000	<1000	<1000UJ	<1000	<500	<200UJ
	ISOPROPYLBENZENE	ug/L		679	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	M,P-XYLENES	ug/L	10000	1220	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	METHYLENE CHLORIDE	ug/L	5	5	**1.2J**	<2.0	<400	<2.0	<400	**3700**	<400	**330**	**4600**	**45**
	NAPHTHALENE	ug/L		0.143	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	N-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	N-PROPYLBENZENE	ug/L		254	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	O-XYLENE	ug/L	10000	1217	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	STYRENE	ug/L	100	100	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	TETRACHLOROETHENE	ug/L	5	5	<2.0	<2.0	**80J+**	<2.0	<400	<400	<400	<400	<200	**23**
	TOLUENE	ug/L	1000	1000	<2.0	<2.0	**410**	<2.0	<400	<400	<400	<400	<200	<80
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	TRICHLOROETHENE	ug/L	5	5	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	VINYL CHLORIDE	ug/L	2	2	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Aquifer / Location / Date / Sample Purpose / Sampling Event / Samplers / Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			MC-MW-18	MC-MW-29	MC-MW-30	MC-MW-31	MC-MW-32	MC-MW-33	MC-MW-34	MC-MW-35	MC-MW-36
		Date			5/9/2013	5/6/2013	5/3/2013	5/9/2013	5/9/2013	5/8/2013	4/30/2013	4/30/2013	4/30/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
		Units											
PESTICIDES	2,4'-DDD	ug/L			<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	2,4'-DDE	ug/L			**0.041**	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095UJ
	2,4'-DDT	ug/L			<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	4,4'-DDD	ug/L		0.280	**0.045**	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	4,4'-DDE	ug/L		0.198	**0.20**	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	4,4'-DDT	ug/L		0.198	**0.035**	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	ALDRIN	ug/L		0.00395	<0.0048	<0.0047	<0.0048	<0.0047	<0.0048	<0.0048	<0.0049	<0.0050	<0.0048
	ALPHA-BHC	ug/L		10.95	**0.84**	**6.8J+**	**1.9**	**0.71J**	**0.020**	**0.018J**	**0.016**	<0.0050	<0.0048
	BETA-BHC	ug/L		2.19	**0.34**	<0.0095	**0.12**	<0.0095	<0.0097	<0.0095	<0.0098	<0.0099	<0.0095
	CHLORDANE	ug/L	2	2	<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	DELTA-BHC	ug/L		11	<0.19	**0.65J+**	**0.27**	**0.055J**	<0.19	<0.19	<0.20	<0.20	<0.19
	DIELDRIN	ug/L		0.00420	<0.0048	<0.0047	<0.0048	<0.0047	<0.0048	<0.0048	<0.0049	<0.0050	<0.0048
	ENDOSULFAN I	ug/L		219	<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	ENDOSULFAN II	ug/L		219	<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	ENDOSULFAN SULFATE	ug/L			<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.20	<0.20	<0.19
	ENDRIN	ug/L	2	2	<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	ENDRIN ALDEHYDE	ug/L			<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	ENDRIN KETONE	ug/L			<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	**0.17**	<0.095	**0.011**	<0.095	**0.027**	<0.095	**0.0033**	<0.099	<0.095
	HEPTACHLOR	ug/L	0.4	0.4	<0.0095	<0.0095	<0.0095	<0.0095	<0.0097	<0.0095	<0.0098	<0.0099	<0.0095
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	**0.0031J**	<0.0047	<0.0048	<0.0047	<0.0048	<0.0048	<0.0049	<0.0050	<0.0048
	METHOXYCHLOR	ug/L	40	40	<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	TOXAPHENE	ug/L	3	3	<4.8	<4.7	<4.8	<4.7	<4.8	<4.8	<4.9	<5.0	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	ug/L		2.42	<200	**46**	**52**	**70**	**1.5**	<2.0	**3.2**	<2.0	**2.9**
	1,1-DICHLOROETHENE	ug/L	7	7	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	ug/L			<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	ug/L			**33**	<50	<50	**14**	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<1000	<100	<100	<200	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<500	<50	<50	**14**	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	ug/L		0.05	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	ug/L	600	600	**4600**	**220**	**81**	**120**	<2.0	**0.49**	**1.8**	<2.0	<2.0
	1,2-DICHLOROETHANE	ug/L	5	5	<200	**12**	**12**	**13**	**1.2**	<2.0	**2.1**	<2.0	**1.2**
	1,2-DICHLOROPROPANE	ug/L	5	5	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	ug/L		86.7	**220**	**11**	**4.2**	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	ug/L	75	75	**8700**	**340**	**110**	**160**	**0.48**	**0.79**	**2.2**	<2.0	<2.0
	2,2-DICHLOROPROPANE	ug/L			<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	ug/L		91.3	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	ug/L			<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			MC-MW-18	MC-MW-29	MC-MW-30	MC-MW-31	MC-MW-32	MC-MW-33	MC-MW-34	MC-MW-35	MC-MW-36
		Date			5/9/2013	5/6/2013	5/3/2013	5/9/2013	5/9/2013	5/8/2013	4/30/2013	4/30/2013	4/30/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**45000**	**46**	**56**	**71**	**2.0**	**2.6**	**96**	<2.0	**37**
	BROMOBENZENE	ug/L		87.6	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	ug/L			<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	ug/L	80	0.117	<200	<20	<20	<40	<2.0	<2.0	**0.36**	<2.0	<2.0
	BROMOFORM	ug/L	80	8.51	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	ug/L		8.66	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	ug/L	5	5	**510J+**	<10	<10	<20	<1.0	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	ug/L	100	100	**240000**	**3400**	**2600**	**5200**	**4.8**	**7.8**	**78**	<2.0	**34**
	CHLOROETHANE	ug/L		23.2	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	CHLOROFORM	ug/L	80	0.193	**43000**	**4.2**	**6.4**	<40	**1.7**	<2.0	**250**	<2.0	**63**
	CHLOROMETHANE	ug/L		2.70	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	ug/L		8.16	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<500UJ	<50	<50	<100UJ	<5.0	<5.0UJ	<5.0	<5.0	<5.0
	DIMETHYL DISULFIDE	ug/L			<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	ETHYLBENZENE	ug/L	700	700	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	ug/L		0.862	**110**	<50UJ	<50UJ	<100	<5.0	<5.0UJ	<5.0UJ	<5.0	<5.0UJ
	ISOPROPYLBENZENE	ug/L		679	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENES	ug/L	10000	1220	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	ug/L	5	5	**640**	<20	<20	<40	<2.0	<2.0	**2.3**	<2.0	**2.6**
	NAPHTHALENE	ug/L		0.143	<500	<50	<50	<100	**0.44**	<5.0	<5.0	<5.0	<5.0
	N-BUTYLBENZENE	ug/L		254	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	ug/L		254	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	ug/L	10000	1217	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	ug/L		834	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	ug/L		254	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	STYRENE	ug/L	100	100	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	ug/L		254	**28**	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	ug/L	5	5	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TOLUENE	ug/L	1000	1000	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	ug/L	5	5	<200	**29**	**6.9**	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROFLUOROMETHANE	ug/L		1288	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	ug/L	2	2	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	DEEP	DEEP	DEEP	DEEP	DEEP
	EXCEEDS BCL	Location			MC-MW-37	MC-MW-38	MC-MW-39	MC-MW-41	MC-MW-42	DMC-MW-26	DMC-MW-27R	DMC-MW-28	DMC-MW-28	MW-08
	Detections **BOLDED**	Date			4/30/2013	5/6/2013	4/30/2013	5/3/2013	5/2/2013	5/14/2013	5/17/2013	5/17/2013	5/17/2013	5/14/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	FD	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
PESTICIDES	2,4'-DDD	ug/L			<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	2,4'-DDE	ug/L			<0.095UJ	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	2,4'-DDT	ug/L			<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	4,4'-DDD	ug/L		0.280	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	4,4'-DDE	ug/L		0.198	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	4,4'-DDT	ug/L		0.198	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48	<0.095	<0.096	<0.096	<0.096
	ALDRIN	ug/L		0.00395	<0.0047	<0.0048	<0.0049	<0.0047	<0.0048	<0.024	<0.0048	<0.0048	<0.0048	<0.0048
	ALPHA-BHC	ug/L		10.95	<0.0047	**0.022**	<0.0049	<0.0047	<0.0048	<0.024UJ	<0.0048	<0.0048	<0.0048	<0.0048UJ
	BETA-BHC	ug/L		2.19	<0.0095	<0.0095	<0.0098	<0.0095	<0.0096	<0.048UJ	<0.0095	<0.0096	<0.0096	<0.0096UJ
	CHLORDANE	ug/L	2	2	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	DELTA-BHC	ug/L		11	<0.19	<0.19	<0.20	<0.19	<0.19	<0.96UJ	<0.19	<0.19	<0.19	<0.19UJ
	DIELDRIN	ug/L		0.00420	<0.0047	<0.0048	<0.0049	<0.0047	<0.0048	<0.024	<0.0048	<0.0048	<0.0048	<0.0048
	ENDOSULFAN I	ug/L		219	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	ENDOSULFAN II	ug/L		219	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48	<0.095	<0.096	<0.096	<0.096
	ENDOSULFAN SULFATE	ug/L			<0.19	<0.19	<0.20	<0.19	<0.19	<0.96	<0.19	<0.19	<0.19	<0.19
	ENDRIN	ug/L	2	2	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48	<0.095	<0.096	<0.096	<0.096
	ENDRIN ALDEHYDE	ug/L			<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	ENDRIN KETONE	ug/L			<0.095	<0.095	<0.098	<0.095	<0.096	<0.48	<0.095	<0.096	<0.096	<0.096
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.095	**0.022**	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	HEPTACHLOR	ug/L	0.4	0.4	<0.0095	<0.0095	<0.0098	<0.0095	<0.0096	<0.048	<0.0095	<0.0096	<0.0096	<0.0096
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0047	<0.0048	<0.0049	<0.0047	<0.0048	<0.024UJ	<0.0048	<0.0048	<0.0048	<0.0048UJ
	METHOXYCHLOR	ug/L	40	40	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	TOXAPHENE	ug/L	3	3	<4.7	<4.8	<4.9	<4.7	<4.8	<24	<4.8	<4.8	<4.8	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	ug/L		2.42	**4.9**	**1.8**	<2.0	**20**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHENE	ug/L	7	7	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	ug/L			<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<20	<10	<100	<10	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	ug/L	600	600	<2.0	**3.8**	**3.2**	**9.3**	**0.44**	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROETHANE	ug/L	5	5	**2.4**	**0.97**	<2.0	**19**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	ug/L	75	75	<2.0	**7.3**	**5.4**	**16**	**0.82**	<2.0	<2.0	<2.0	<2.0	<2.0
	2,2-DICHLOROPROPANE	ug/L			<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	ug/L			<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	DEEP	DEEP	DEEP	DEEP	DEEP
	EXCEEDS BCL	Location			MC-MW-37	MC-MW-38	MC-MW-39	MC-MW-41	MC-MW-42	DMC-MW-26	DMC-MW-27R	DMC-MW-28	DMC-MW-28	MW-08
	Detections **BOLDED**	Date			4/30/2013	5/6/2013	4/30/2013	5/3/2013	5/2/2013	5/14/2013	5/17/2013	5/17/2013	5/17/2013	5/14/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	FD	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**7.8**	**400**	**5.8**	**2700**	**1.5**	<2.0	<2.0	<2.0	<2.0	<2.0
	BROMOBENZENE	ug/L		87.6	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	ug/L			<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	**0.52**
	BROMOFORM	ug/L	80	8.51	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	ug/L		8.66	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	ug/L	5	5	**0.5**	<2.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	ug/L	100	100	**7.0**	**270**	**53**	**1200**	**6.9**	<2.0	<2.0	<2.0	<2.0	<2.0
	CHLOROETHANE	ug/L		23.2	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CHLOROFORM	ug/L	80	0.193	**13**	**1.4**	**39**	**170**	**0.93J**	<2.0	<2.0	<2.0	<2.0	**0.76**
	CHLOROMETHANE	ug/L		2.70	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	ug/L		8.16	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<10	<5.0	<50	<5.0	<5.0UJ	<5.0	<5.0	<5.0	<5.0UJ
	DIMETHYL DISULFIDE	ug/L			<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	ETHYLBENZENE	ug/L	700	700	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0UJ	<10UJ	<5.0	<50UJ	<5.0UJ	<5.0	<5.0UJ	<5.0UJ	<5.0UJ	<5.0
	ISOPROPYLBENZENE	ug/L		679	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENES	ug/L	10000	1220	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	ug/L	5	5	<2.0	<4.0	**8.9**	**940**	<2.0	<2.0	**1.1**	**1.1**	**1.1**	<2.0
	NAPHTHALENE	ug/L		0.143	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	N-BUTYLBENZENE	ug/L		254	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	ug/L		254	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	ug/L	10000	1217	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	STYRENE	ug/L	100	100	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0UJ	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	ug/L	5	5	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TOLUENE	ug/L	1000	1000	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	ug/L	5	5	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	ug/L	2	2	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP
		Location			TR-01	TR-03	TR-05	TR-07	TR-07	TR-07	TR-07	TR-09	TR-11	TR-12
		Date			5/16/2013	5/16/2013	5/10/2013	5/10/2013	7/17/2013	7/29/2013	7/29/2013	5/2/2013	5/15/2013	5/15/2013
		Sample Purpose			REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
		Units												
PESTICIDES	2,4'-DDD	ug/L			<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	2,4'-DDE	ug/L			<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	2,4'-DDT	ug/L			<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	4,4'-DDD	ug/L		0.280	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	4,4'-DDE	ug/L		0.198	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	4,4'-DDT	ug/L		0.198	**0.0056**	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	ALDRIN	ug/L		0.00395	<0.0048	<0.0048	<0.0048	<0.0048	--	--	--	<0.0049	<0.0048	<0.0048
	ALPHA-BHC	ug/L		10.95	<0.0048	<0.0048	<0.0048	**0.027**	--	--	--	<0.0049	<0.0048	**0.0039**
	BETA-BHC	ug/L		2.19	<0.0096	<0.0096	<0.0096	<0.0095	--	--	--	<0.0098	<0.0095	<0.0096
	CHLORDANE	ug/L	2	2	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	DELTA-BHC	ug/L		11	<0.19	<0.19	<0.19	<0.19	--	--	--	<0.20	<0.19	<0.19
	DIELDRIN	ug/L		0.00420	<0.0048	<0.0048	<0.0048	<0.0048	--	--	--	<0.0049	<0.0048	<0.0048
	ENDOSULFAN I	ug/L		219	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	ENDOSULFAN II	ug/L		219	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	ENDOSULFAN SULFATE	ug/L			<0.19	<0.19	<0.19	<0.19	--	--	--	<0.20	<0.19	<0.19
	ENDRIN	ug/L	2	2	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	ENDRIN ALDEHYDE	ug/L			<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	ENDRIN KETONE	ug/L			<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.096	<0.096	<0.096	**0.0075**	--	--	--	<0.098	<0.095	<0.096
	HEPTACHLOR	ug/L	0.4	0.4	<0.0096	<0.0096	<0.0096	<0.0095	--	--	--	<0.0098	<0.0095	<0.0096
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0048	<0.0048	<0.0048	<0.0048	--	--	--	<0.0049	<0.0048	<0.0048
	METHOXYCHLOR	ug/L	40	40	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	TOXAPHENE	ug/L	3	3	**0.35**	<4.8	<4.8	<4.8	--	--	--	<4.9	<4.8	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	ug/L		2.42	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHENE	ug/L	7	7	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	ug/L			<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<10	<10	--	<10	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	ug/L	600	600	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	ug/L	75	75	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	2,2-DICHLOROPROPANE	ug/L			<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	ug/L			<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP
	EXCEEDS BCL	Location			TR-01	TR-03	TR-05	TR-07	TR-07	TR-07	TR-07	TR-09	TR-11	TR-12
	Detections **BOLDED**	Date			5/16/2013	5/16/2013	5/10/2013	5/10/2013	7/17/2013	7/29/2013	7/29/2013	5/2/2013	5/15/2013	5/15/2013
		Sample Purpose			REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	<2.0	<2.0	**0.42**	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	BROMOBENZENE	ug/L		87.6	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	ug/L			<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	**0.32**	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	BROMOFORM	ug/L	80	8.51	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	ug/L		8.66	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	ug/L	5	5	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	ug/L	100	100	<2.0	<2.0	**0.36**	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	CHLOROETHANE	ug/L		23.2	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CHLOROFORM	ug/L	80	0.193	**0.62**	**0.8**	<2.0	--	<2.0	<2.0	<2.0	<2.0	**0.35**	**0.68**
	CHLOROMETHANE	ug/L		2.70	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	ug/L		8.16	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<5.0	<5.0	--	<5.0UJ	<5.0	<5.0	<5.0	<5.0	<5.0
	DIMETHYL DISULFIDE	ug/L			<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	ETHYLBENZENE	ug/L	700	700	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0UJ	<5.0	<5.0
	ISOPROPYLBENZENE	ug/L		679	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENES	ug/L	10000	1220	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	ug/L	5	5	**2.0J**	**1.8J**	<2.0	--	<2.0	<2.0	<2.0	<2.0	**2.1J**	**2.0J**
	NAPHTHALENE	ug/L		0.143	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	N-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	ug/L		254	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	ug/L	10000	1217	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	STYRENE	ug/L	100	100	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	ug/L	5	5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TOLUENE	ug/L	1000	1000	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	ug/L	5	5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	ug/L	2	2	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

FOOTNOTES:

a = NDEP Basic Comparison Levels, revision August 5, 2013

ABBREVIATIONS AND QUALIFIERS:

EW PERF = Annual extraction well monitoring round conducted as part of the Groundwater Treatment System monitoring program
SITEWIDE = Sitewide Monitoring Round
TRANSECT = Transect well monitoring round conducted as part of the Groundwater Treatment System monitoring program
CP = Closed Pond annual sampling round
REG = Regular Sample
FD = Duplicate Sample
J = The associated value is an estimated quantity.
J- = The associated numerical value is an estimated quantity with a negative bias.
J+ = The associated numerical value is an estimated quantity with a positive bias.
UJ = The sample was analyzed for, but was not detected. The associated quantitation or detection limit is an estimate.
-- = Not analyzed

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]										
		Aquifer			SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			AA-BW-03A	AA-MW-05	AA-MW-13R	AA-MW-14	AA-MW-14	AA-MW-20	AA-MW-24	AA-MW-24	AA-MW-25	B-01
		Date			5/2/2013	4/25/2013	5/6/2013	5/9/2013	5/9/2013	5/8/2013	4/26/2013	4/26/2013	5/7/2013	5/6/2013
		Sample Purpose			REG	REG	REG	FD	REG	REG	FD	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**110**	**130**	**51000J-CAB**	**680**	**650**	**220**	**140**	**140**	**380**	**450**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**110**	**130**	<1000	**680**	**650**	**220**	**140**	**140**	**380**	**450**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	**24000J-CAB**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	**27000J-CAB**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	<1.2	**0.36**	<1.2UJ	**0.67**	**0.82**	<1.2	**0.33**	**0.32**	**0.25**	**2.0J-**
	BROMIDE (Dissolved)	mg/L		12.4	<10	**1.9**	**44**	<25	<25	<5.0	**2.2**	**2.5**	<25	<50
	CALCIUM (Dissolved)	mg/L			**510**	**170**	<5.0	**1700**	**1800**	**240**	**170**	**180**	**660**	**1500**
	CHLORIDE (Dissolved)	mg/L			**2900**	**360**	**12000J-CAB**	**4300**	**4200**	**1100J-**	**520**	**560**	**6500**	**8600**
	FLUORIDE (Dissolved)	mg/L	4	4	<10	<2.5	**55J-CAB**	<25	<25	**3.5**	<2.5	<2.5	<25	<50
	MAGNESIUM (Dissolved)	mg/L		207	**430**	**100**	<1.0	**510**	**560**	**230**	**89**	**95**	**580**	**810**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	<2.2	**1.5**	<11UJ	**5.0**	**5.4**	<1.1UJ	**1.3**	**1.3**	<5.5	<11UJ
	NITRITE (AS N) (Dissolved)	mg/L		1	<3.0	<0.75	<15	<7.5	<7.5	<1.5	<0.75	<0.75	<7.5	<15
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<10	<2.5	**110**	<25	<25	<5.0	<2.5	<2.5	<25	<50
	PERCHLORATE (Dissolved)	ug/L		18	<0.50	**130J**	**270J**	**140**	**150J**	**44J**	**60J**	**57J**	**4.1**	**61J**
	PH (Dissolved)	ph Units			**7.43J**	**7.64**	**9.11J**	**6.61J**	**6.66J**	**6.34J**	**6.39J**	**6.62J**	**7.04J**	**6.68J**
	POTASSIUM (Dissolved)	mg/L			**16J**	**16**	**1400J-CAB**	**77**	**81**	**22**	**15**	**15**	**39**	**86**
	SODIUM (Dissolved)	mg/L			**1100**	**430**	**29000J-CAB**	**570**	**600**	**620**	**460**	**460**	**3000**	**3300**
	SULFATE (Dissolved)	mg/L			**1200**	**1100**	**4300J-CAB**	**1300**	**1300**	**1100**	**890J-**	**900J-**	**1700**	**1200**
	TOTAL ANIONS (Dissolved)	meq/L			**110**	**36**	**1500**	**160**	**160**	**59**	**36**	**37**	**230**	**280**
	TOTAL CATIONS (Dissolved)	meq/L			**110**	**36**	**1300**	**150**	**160**	**58**	**36**	**37**	**210**	**290**
	CATION/ANION BALANCE (Dissolved)	%			**0**	**0**	**-6**	**-3**	**2**	**0**	**0**	**0**	**-3**	**2**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**9300**	**2500**	**110000**	**12000**	**13000**	**4300**	**2500**	**2600**	**14000**	**22000**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	**0.046**	<0.01	**14**	**0.073**	**0.074**	<0.01	<0.01	<0.01	<0.01	<0.01
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**110**	**49**	**2000J**	**0.86**	**0.87**	**44**	**14**	**14**	**360**	**28**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.042**	**0.014**	**3.8**	**0.044**	**0.046**	**0.028**	**0.028**	**0.028**	**0.054**	**0.018J+**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	<0.0001	<0.0005	**0.00059**	**0.00067**	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	<0.0005	**0.0089**	**0.011**	**0.00034**	**0.00021**	<0.0005	**0.0072**	**0.0073**	<0.0005	<0.0005
	IRON (Dissolved)	mg/l		0.3	**0.037J**	**0.14**	**1.1**	**0.13**	**0.17**	<0.01	<0.01	<0.01	**0.024**	**0.0075**
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	**0.000088**	<0.0001	**0.043**	**0.00035**	**0.00028**	<0.0001	**0.000056**	<0.0001	**0.00010**	**0.00010**
	MANGANESE (Dissolved)	mg/l		0.02	**1.3**	**0.024**	**0.022**	**5.8**	**6.1**	**0.20**	**0.0013**	**0.0015**	**1.4**	**1.2**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020UJ	<0.00020	**0.00069**	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020UJ
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	<0.0005	**0.0045**	**0.024**	**0.0029**	**0.0029**	**0.0061**	**0.0042**	**0.0037**	**0.0014**	**0.0026**
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.050**	**0.0061**	**0.035**	**0.019**	**0.018**	**0.032**	**0.009**	**0.0091**	**0.14**	**0.015**

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			B-16	EC-03	EC-04	EC-07	EC-10	H-11	H-49A	H-55	M-007B	M-057A	M-092
		Date			4/23/2013	5/7/2013	4/26/2013	5/13/2013	5/1/2013	4/25/2013	5/2/2013	4/26/2013	5/1/2013	4/25/2013	5/1/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**190**	**270**	**170**	**300**	**120**	<4.0	**300**	**84**	**96**	**120**	**72**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**190**	**270**	**170**	**300**	**120**	<4.0	**300**	**84**	**96**	**120**	**72**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	**0.25**	**0.44**	**0.41**	**0.67**	**0.31**	**0.28**	**0.29**	**0.36**	**0.26**	**0.26**	**0.32**
	BROMIDE (Dissolved)	mg/L		12.4	<5.0	<25	**4.2**	<10	**1.8J**	**2.7**	<25	**1.9**	<10UJ	**3.9**	**1.2J**
	CALCIUM (Dissolved)	mg/L			**160**	**980**	**190**	**630**	**94**	**81J-CAB**	**400**	**79**	**600**	**230**	**140**
	CHLORIDE (Dissolved)	mg/L			**640J-**	**7700**	**1200**	**3900**	**440**	**570J-CAB**	**5900**	**620**	**3100**	**640**	**180**
	FLUORIDE (Dissolved)	mg/L	4	4	<5.0	<25	<5.0	<10	**0.98J-**	**0.67J-CAB**	<25	<2.5	<10UJ	<5.0	**0.89J-**
	MAGNESIUM (Dissolved)	mg/L		207	**87**	**980**	**110**	**570**	**42**	**16J-CAB**	**380**	**43**	**380**	**110**	**69**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	<1.1	<5.5	**1.6**	**1.8J**	**2.2J**	<0.11	<5.5	<0.55	**2.1J**	**6.7**	**3.5J**
	NITRITE (AS N) (Dissolved)	mg/L		1	<1.5	<7.5	<1.5	<3.0	<0.30UJ	<0.15	<7.5	<0.75	<3.0UJ	<1.5	<0.30UJ
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<5.0	<25	<5.0	<10	<1.0	<0.50	<25	<2.5	<10	<5.0	<1.0
	PERCHLORATE (Dissolved)	ug/L		18	<0.50	**1.4**	**160J**	**4.9**	**34000**	**15**	**35J**	**7.1**	**29000**	**22000**	**1600**
	PH (Dissolved)	ph Units			**7.53**	**6.83J**	**6.02J**	**6.10J**	**6.70J**	**5.41**	**7.35J**	**7.17J**	**7.72J**	**6.56**	**7.92J**
	POTASSIUM (Dissolved)	mg/L			**13**	**53**	**19**	**34**	**12**	**3.1J-CAB**	**35J**	**13**	**23**	**10**	**11**
	SODIUM (Dissolved)	mg/L			**650**	**2800**	**680**	**1400**	**420**	**86J-CAB**	**3900**	**430**	**1400**	**560**	**290**
	SULFATE (Dissolved)	mg/L			**1000**	**1900**	**760J-**	**1400**	**520J-**	**5.3J-CAB**	**2200**	**430J-**	**1500J-**	**1200**	**840J-**
	TOTAL ANIONS (Dissolved)	meq/L			**43**	**260**	**53**	**150**	**26**	**16**	**220**	**28**	**120**	**46**	**24**
	TOTAL CATIONS (Dissolved)	meq/L			**44**	**250**	**49**	**140**	**27**	**9.2**	**220**	**27**	**120**	**45**	**26**
	CATION/ANION BALANCE (Dissolved)	%			**1**	**-2**	**-4**	**-2**	**1**	**-28**	**1**	**-3**	**1**	**-1**	**3**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**2800**	**18000**	**3400**	**11000**	**1900**	**1300**	**14000**	**1800**	**9100**	**3300**	**2000**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	<0.01	<0.01	<0.01	<0.05	**0.0062**	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**130J+**	**96**	**88**	**190**	**72**	<0.10	**260**	**0.14**	**93**	**170**	**89**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.038**	**0.072**	**0.034**	**0.071**	**0.020**	**0.065**	**0.063**	**0.033**	**0.037**	**0.018**	**0.02**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	**0.000069**	<0.0001	<0.0005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	**0.00064**	<0.0005	**0.0049**	<0.0025	**0.0089**	**0.00073**	<0.0025	<0.0005	<0.0005	**0.061**	**0.017**
	IRON (Dissolved)	mg/l		0.3	**0.014**	<0.01	<0.01	**1.2**	<0.01	**160**	<0.05UJ	**0.17**	<0.01	**0.013**	<0.01
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	**0.000086**	**0.000058**	<0.0001	<0.0005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	**0.00013**	<0.0001
	MANGANESE (Dissolved)	mg/l		0.02	**1.6**	**0.95**	**0.0021**	**4.2**	**0.0013**	**35**	**2.4**	**0.39**	**0.0012**	**0.0033**	**0.00079**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	<0.00020UJ	<0.00020	<0.00020	**0.00011**	<0.00020	<0.00020UJ	<0.00020	<0.00020	<0.00020	<0.00020
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	<0.0005	**0.0016**	**0.0085**	**0.0025**	**0.005**	<0.0005	<0.0025	<0.0005	**0.0066**	**0.0040**	**0.0028**
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	**0.000086**	<0.0001	<0.0005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.00082**	**0.17**	**0.0061**	**0.0028**	**0.0042**	**0.000053J**	**0.051**	**0.00027**	**0.044**	**0.0062**	**0.005**

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	M-125	M-142	MC-09R	MC-111	MW-AHX	MW-A-J	MW-A-J	MW-R	PC-028	PC-031
		Aquifer			SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Date			4/24/2013	4/24/2013	4/30/2013	5/1/2013	4/25/2013	5/3/2013	5/3/2013	4/23/2013	4/22/2013	4/22/2013
		Sample Purpose			REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**80**	**88**	**310**	**130J-CAB**	**100J-CAB**	**240**	**240**	**210**	**96J-CAB**	**240**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**80**	**88**	**310**	**130J-CAB**	**100J-CAB**	**240**	**240**	**210**	**96J-CAB**	**240**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	**0.37**	**0.65**	**0.36**	**0.36**	<1.2	<1.2UJ	**0.37J-**	**0.27**	**0.27J**	**0.24J**
	BROMIDE (Dissolved)	mg/L		12.4	<25	<2.5	<5.0	<10UJ	**1.6**	**9.5**	<10	**3.8**	**3.6J**	<5.0UJ
	CALCIUM (Dissolved)	mg/L			**1000**	**210**	**430**	**490J-CAB**	**180J-CAB**	**370**	**370**	**430**	**590J-CAB**	**160**
	CHLORIDE (Dissolved)	mg/L			**5300**	**410J-**	**6300J-**	**2700J-CAB**	**430J-CAB**	**1100**	**1100**	**1200J-**	**810J-CAB**	**1400**
	FLUORIDE (Dissolved)	mg/L	4	4	<25	<2.5UJ	**9.4**	<10UJ	<1.0	<10	<10	<5.0	<5.0	**3.9**
	MAGNESIUM (Dissolved)	mg/L		207	**570**	**120**	**390**	**290J-CAB**	**86J-CAB**	**170**	**180**	**180**	**220J-CAB**	**78**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	**7.4J+**	**8.1**	**1.1**	<2.2UJ	**6.1J-CAB**	**16**	**15**	**15**	**27J-CAB**	**2.9**
	NITRITE (AS N) (Dissolved)	mg/L		1	<7.5	<0.75	<1.5	<3.0UJ	<0.30	<3.0	<3.0	<1.5	<1.5UJ	<1.5UJ
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<25	<2.5	<5.0	<10	<1.0	**26J+**	**59J+**	<5.0	<5.0UJ	<5.0UJ
	PERCHLORATE (Dissolved)	ug/L		18	**480J**	**9200**	**110J**	**18000**	**47000**	**49000**	**47000**	**59000**	**310000**	**24000**
	PH (Dissolved)	ph Units			**7.06J**	**7.60J**	**6.83**	**7.74J**	**7.76**	**7.39J**	**7.41J**	**7.3**	**7.19**	**7.32**
	POTASSIUM (Dissolved)	mg/L			**34**	**13**	**74**	**23J-CAB**	**16J-CAB**	**24J**	**24J**	**28**	**8.5J-CAB**	**22**
	SODIUM (Dissolved)	mg/L			**2300**	**380**	**4000**	**990J-CAB**	**390J-CAB**	**1000**	**940**	**870**	**920J-CAB**	**1300**
	SULFATE (Dissolved)	mg/L			**800**	**1200J-**	**2300**	**1400J-,J-CAB**	**570J-CAB**	**1600**	**1600**	**1900**	**2400J-CAB**	**1500**
	TOTAL ANIONS (Dissolved)	meq/L			**170**	**39**	**230**	**110**	**19**	**70**	**70**	**78**	**78**	**76**
	TOTAL CATIONS (Dissolved)	meq/L			**200**	**37**	**230**	**92**	**33**	**77**	**75**	**75**	**88**	**72**
	CATION/ANION BALANCE (Dissolved)	%			**8**	**-2**	**-1**	**-8**	**28**	**5**	**3**	**-2**	**6**	**-3**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**14000**	**2700**	**15000**	**7900**	**2300**	**5000**	**5000**	**5000**	**6900**	**4800**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.007**	<0.01	<0.01	<0.01
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**63**	**60**	**150**	**52**	**36**	**79**	**83**	**91J+**	**260J+**	**110J+**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.049**	**0.028**	**0.043**	**0.034**	**0.031**	**0.028J+**	**0.028J+**	**0.028**	**0.015**	**0.017**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	**0.000072**	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.000071**	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	**0.006**	**0.039**	**0.00094**	<0.0005	**0.0077**	<0.0005	<0.0005	**0.00035**	**1**	**0.0017**
	IRON (Dissolved)	mg/l		0.3	<0.01	<0.01	<0.01	<0.01	**0.030**	<0.01UJ	<0.01UJ	<0.01	**0.012**	<0.01
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.000059J**	**0.00007J**	<0.0001	**0.000082**	<0.0001
	MANGANESE (Dissolved)	mg/l		0.02	**0.05**	**0.00047**	**0.044**	**0.022**	**0.0059**	**0.32**	**0.32**	**0.025**	**0.0022**	**0.91**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	**0.00015J**	<0.00020	<0.00020	<0.00020	<0.00020UJ	<0.00020UJ	<0.00020	<0.00020	<0.00020
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	**0.0050**	**0.0028**	**0.0023**	**0.0037**	**0.0067**	**0.0081**	**0.0082**	**0.0097**	**0.0096**	**0.0015**
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.00026**	**0.00027**	<0.0001	**0.00026**	**0.00019**
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.021**	**0.0075**	**0.022**	**0.036**	**0.0063**	**0.032**	**0.033**	**0.033**	**0.14**	**0.011**

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			PC-040	PC-064	PC-067	PC-132	PW-01	WELL-C	WELL-D2	WELL-E3	WELL-F	WELL-G
	Detections **BOLDED**	Date			5/2/2013	4/23/2013	4/23/2013	5/2/2013	5/7/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF
		Samplers												
Parameter Group	Parameter	Units			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**290**	**72**	**220**	**230J-CAB**	**480J-CAB**	--				
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**290**	**72**	**220**	**230J-CAB**	**480J-CAB**	--	--	--	--	--
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4	--	--	--	--	--
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4	--	--	--	--	--
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	**0.31**	<1.2	**0.35**	**0.55**	<1.2	--	--	--	--	--
	BROMIDE (Dissolved)	mg/L		12.4	<25	<10	<25	<10	<10	--	--	--	--	--
	CALCIUM (Dissolved)	mg/L			**440**	**560**	**820**	**310J-CAB**	**310J-CAB**	--	--	--	--	--
	CHLORIDE (Dissolved)	mg/L			**6100**	**710J-**	**3700J-**	**3100J-CAB**	**2300J-CAB**	--	--	--	--	--
	FLUORIDE (Dissolved)	mg/L	4	4	<25	<10	<25	<10	<10	--	--	--	--	--
	MAGNESIUM (Dissolved)	mg/L		207	**350**	**180**	**330**	**180J-CAB**	**480J-CAB**	--	--	--	--	--
	NITRATE (AS N) (Dissolved)	mg/L	10	10	<5.5	**35**	**32**	<2.2	<2.2	--	--	--	--	--
	NITRITE (AS N) (Dissolved)	mg/L		1	<7.5	<3.0	<7.5	<3.0	<3	--	--	--	--	--
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<25	<10	<25	<10	<10	--	--	--	--	--
	PERCHLORATE (Dissolved)	ug/L		18	<0.50	**290000**	**22000**	**1400**	**92J**	--	--	--	--	--
	PH (Dissolved)	ph Units			**7.05J**	**7.69J**	**5.98**	**7.44J**	**6.6J**	--	--	--	--	--
	POTASSIUM (Dissolved)	mg/L			**33J**	**11**	**24**	**35J,J-CAB**	**31J+,J-CAB**	--	--	--	--	--
	SODIUM (Dissolved)	mg/L			**3900**	**1200**	**2400**	**2700J-CAB**	**1300J-CAB**	--	--	--	--	--
	SULFATE (Dissolved)	mg/L			**2300**	**3000**	**2500**	**1800J-CAB**	**2800J-CAB**	--	--	--	--	--
	TOTAL ANIONS (Dissolved)	meq/L			**230**	**87**	**160**	**130**	**130**	--	--	--	--	--
	TOTAL CATIONS (Dissolved)	meq/L			**220**	**95**	**170**	**150**	**110**	--	--	--	--	--
	CATION/ANION BALANCE (Dissolved)	%			**-1**	**4**	**3**	**7**	**-8**	--	--	--	--	--
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**15000**	**7200**	**11000**	**8800**	**7800**	**2700**	**8500**	**12000**	**18000**	**21000**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	<0.05	<0.01	**0.014**	<0.05	<0.01	--	--	--	--	--
	ARSENIC	ug/L	10	10	--	--	--	--	--	**130**	**110**	**87**	**120**	**110**
	ARSENIC (Dissolved)	ug/L	10	10	**280**	**270J+**	**160J+**	**140**	**91J**	--	--	--	--	--
	BARIUM	mg/l	2	2	--	--	--	--	--	**0.027**	**0.037**	**0.045**	**0.037**	**0.052**
	BARIUM (Dissolved)	mg/l	2	2	**0.053**	**0.01**	**0.054**	**0.035**	**0.026**	--	--	--	--	--
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0005	<0.0001	**0.000079**	<0.0005	<0.0001	--	--	--	--	--
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	**0.00034**	<0.0005	<0.0005	**0.00032**	**0.00047**
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	<0.0025	**1.1**	**0.38**	<0.0025	**0.00036**	--	--	--	--	--
	IRON (Dissolved)	mg/l		0.3	<0.05UJ	<0.01	<0.01	**0.041J**	<0.01	--	--	--	--	--
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	**0.00015**	<0.0001	<0.0001	<0.0001	<0.0001
	LEAD (Dissolved)	mg/l	0.015	0.015	**0.00029**	**0.00011**	**0.00034**	<0.0005	<0.0001	--	--	--	--	--
	MANGANESE (Dissolved)	mg/l		0.02	**1.9**	**0.036**	**0.0096**	**1.2**	**0.29**	--	--	--	--	--
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020UJ	<0.00020	<0.00020	<0.00020UJ	**0.00018J-**					
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	**0.0011**	**0.00068**	**0.00075**	**0.00096**	**0.0013**
	SELENIUM (Dissolved)	mg/l	0.05	0.05	<0.0025	**0.0084**	**0.0067**	**0.0025**	**0.026**	--	--	--	--	--
	SILVER	mg/l		0.1	--	--	--	--	--	**0.00020**	<0.0001	<0.0001	<0.0001	<0.0001
	SILVER (Dissolved)	mg/l		0.1	<0.0005	<0.0001	**0.00018**	**0.00027**	<0.0001	--	--	--	--	--
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	**0.020**	**0.0077**	**0.011**	**0.011**	**0.020**
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.071**	**0.055**	**0.12**	**0.034**	**0.30**	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			WELL-H2	WELL-I	WELL-J	WELL-K2	WELL-L	WELL-M2	WELL-N	WELL-O	WELL-P	WELL-Q
	Detections **BOLDED**	Date			4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF
		Samplers												
Parameter Group	Parameter	Units			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L												
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	--	--	--	--	--	--	--	--	--	--
	BROMIDE (Dissolved)	mg/L		12.4	--	--	--	--	--	--	--	--	--	--
	CALCIUM (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	CHLORIDE (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	FLUORIDE (Dissolved)	mg/L	4	4	--	--	--	--	--	--	--	--	--	--
	MAGNESIUM (Dissolved)	mg/L		207	--	--	--	--	--	--	--	--	--	--
	NITRATE (AS N) (Dissolved)	mg/L	10	10	--	--	--	--	--	--	--	--	--	--
	NITRITE (AS N) (Dissolved)	mg/L		1	--	--	--	--	--	--	--	--	--	--
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	PERCHLORATE (Dissolved)	ug/L		18	--	--	--	--	--	--	--	--	--	--
	PH (Dissolved)	ph Units			--	--	--	--	--	--	--	--	--	--
	POTASSIUM (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	SODIUM (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	SULFATE (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	TOTAL ANIONS (Dissolved)	meq/L			--	--	--	--	--	--	--	--	--	--
	TOTAL CATIONS (Dissolved)	meq/L			--	--	--	--	--	--	--	--	--	--
	CATION/ANION BALANCE (Dissolved)	%			--	--	--	--	--	--	--	--	--	--
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**23000**	**17000**	**5500**	**28000**	**14000**	**29000**	**4800**	**20000**	**3700**	**4400**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	--	--	--	--	--	--	--	--	--	--
	ARSENIC	ug/L	10	10	**140**	**280**	**81**	**210**	**56**	**180**	**110**	**110**	**130**	**110**
	ARSENIC (Dissolved)	ug/L	10	10	--	--	--	--	--	--	--	--	--	--
	BARIUM	mg/l	2	2	**0.056**	**0.068**	**0.042**	**0.046**	**0.044**	**0.062**	**0.030**	**0.042**	**0.026**	**0.029**
	BARIUM (Dissolved)	mg/l	2	2	--	--	--	--	--	--	--	--	--	--
	CADMIUM	mg/l	0.005	0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**0.000051**	<0.0001	<0.0001
	CADMIUM (Dissolved)	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--
	CHROMIUM	mg/l	0.1	0.1	**0.0022**	**0.00052**	**0.00023**	**0.00063**	<0.001	**0.0018**	**0.00026**	**0.0051**	<0.0005	**0.00024**
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--
	IRON (Dissolved)	mg/l		0.3	--	--	--	--	--	--	--	--	--	--
	LEAD	mg/l	0.015	0.015	<0.0001	**0.00011**	<0.0001	<0.0001	<0.0002	**0.000066**	**0.00028**	**0.000095**	<0.0001	**0.00067**
	LEAD (Dissolved)	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--
	MANGANESE (Dissolved)	mg/l		0.02	--	--	--	--	--	--	--	--	--	--
	MERCURY	mg/L	0.002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0001**
	MERCURY (Dissolved)	mg/L	0.002	0.002										
	SELENIUM	mg/l	0.05	0.05	**0.00087**	**0.00059**	**0.0011**	**0.0011**	**0.0009**	**0.00094**	**0.00062**	**0.00064**	**0.00044**	**0.00041**
	SELENIUM (Dissolved)	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--
	SILVER	mg/l		0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	**0.00019**	<0.0001
	SILVER (Dissolved)	mg/l		0.1	--	--	--	--	--	--	--	--	--	--
	URANIUM	mg/l	0.03	0.03	**0.018**	**0.052**	**0.0029**	**0.022**	**0.0072**	**0.025**	**0.0039**	**0.016**	**0.0029**	**0.0030**
	URANIUM (Dissolved)	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			WELL-R	AGX-90	CP-01	DPT-01	EC-12	EC-13	EC-14	M-136	M-149	M-150
		Date			4/19/2013	5/8/2013	4/23/2013	5/6/2013	4/23/2013	5/8/2013	4/24/2013	4/25/2013	4/24/2013	4/25/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L				**92**	**80**	**120**	**84**	**120J-CAB**	**120**	**76**	**64**	**96J-CAB**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			--	**92**	**80**	**120**	**84**	**120J-CAB**	**120**	**76**	**64**	**96J-CAB**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			--	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			--	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	--	<1.2	<1.2	**2.4J-**	<1.2	<1.2	**0.93**	**0.29**	**0.51**	**0.40**
	BROMIDE (Dissolved)	mg/L		12.4	--	**0.47**	**1.1**	**0.76**	**0.59**	**0.65**	**0.89**	**0.94**	<2.5	**0.45**
	CALCIUM (Dissolved)	mg/L			--	**43**	**51**	**43**	**54**	**49J-CAB**	**61**	**78**	**210**	**25J-CAB**
	CHLORIDE (Dissolved)	mg/L			--	**190J-**	**190J-**	**170**	**190J-**	**200J-,J-CAB**	**190J-**	**340**	**340J-**	**98J-CAB**
	FLUORIDE (Dissolved)	mg/L	4	4	--	**0.74**	**0.87**	**0.86**	**0.67**	**0.86J-CAB**	**0.61J-**	<0.50	<2.5UJ	**0.79J-CAB**
	MAGNESIUM (Dissolved)	mg/L		207	--	**27**	**21**	**24**	**23**	**24J-CAB**	**21**	**53**	**110**	**14J-CAB**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	--	**0.86J**	**1.2**	**0.49J-**	**1.0**	<0.11UJ	**0.73**	**2.3**	**4.2**	**1.8J-CAB**
	NITRITE (AS N) (Dissolved)	mg/L		1	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.75	<0.15
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			--	<0.50	<0.50	<0.50	<0.50	<0.50	**0.65**	<0.50	<2.5	<0.50
	PERCHLORATE (Dissolved)	ug/L		18	--	**0.39**	**5.1**	**0.65**	**0.61**	**0.17**	**0.39**	**71000**	**350000**	**130J**
	PH (Dissolved)	ph Units			--	**7.88J**	**7.02J**	**7.90J**	**7.82**	**5.95J**	**5.88J**	**7.87**	**6.43J**	**7.88**
	POTASSIUM (Dissolved)	mg/L			--	**8.5**	**9.1**	**8.7**	**9.5**	**7.8J-CAB**	**8.6**	**11**	**15**	**5.8J-CAB**
	SODIUM (Dissolved)	mg/L			--	**140**	**160**	**170**	**170**	**140J-CAB**	**160**	**230**	**270**	**120J-CAB**
	SULFATE (Dissolved)	mg/L			--	**220**	**230**	**210**	**230**	**240J-CAB**	**220J-**	**290**	**220J-**	**180J-CAB**
	TOTAL ANIONS (Dissolved)	meq/L			--	**12**	**12**	**12**	**12**	**13**	**12**	**18**	**19**	**8.5**
	TOTAL CATIONS (Dissolved)	meq/L			--	**11**	**11**	**12**	**12**	**11**	**12**	**19**	**32**	**7.8**
	CATION/ANION BALANCE (Dissolved)	%			--	**-5**	**-1**	**1**	**1**	**-10**	**-2**	**2**	**25**	**-4**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**5100**	**720**	**740**	**730**	**760**	**810**	**760**	**1200**	**2900**	**530**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	--	<0.01	**0.010**	**0.0064**	<0.01	**0.0051**	**0.020**	<0.01	**0.0092**	<0.01
	ARSENIC	ug/L	10	10	**110**	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	--	**22**	**54J+**	**25**	**53J+**	**29**	**28**	**34**	**27**	**34**
	BARIUM	mg/l	2	2	**0.039**	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	--	**0.027**	**0.027**	**0.087J+**	**0.029**	**0.034**	**0.037**	**0.039**	**0.064**	**0.026**
	CADMIUM	mg/l	0.005	0.005	<0.0001	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	--	**0.000078**	<0.0001	<0.0001	**0.000074**	<0.0001	**0.000055**	<0.0001	<0.0001	<0.0001
	CHROMIUM	mg/l	0.1	0.1	**0.00055**	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	--	**0.010**	**0.011**	<0.0005	**0.013**	**0.0005**	**0.006**	**0.075**	**2.9**	**0.030**
	IRON (Dissolved)	mg/l		0.3	--	<0.01	<0.01	<0.01	<0.01	**0.28**	<0.01	**0.0076**	<0.01	<0.01
	LEAD	mg/l	0.015	0.015	**0.00006**	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	--	**0.00014**	**0.000063**	<0.0001	**0.00011**	**0.000065**	**0.000093**	<0.0001	<0.0001	<0.0001
	MANGANESE (Dissolved)	mg/l		0.02	--	**0.0014**	**0.0016**	**0.015**	**0.0005**	**0.1**	**0.026**	**0.0012**	**0.0050**	**0.00097**
	MERCURY	mg/L	0.002	0.002	<0.0002	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002		<0.00020	<0.00020	<0.00020UJ	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	SELENIUM	mg/l	0.05	0.05	**0.0003**	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	--	**0.0020**	**0.0018**	**0.0023**	**0.0024**	**0.00055**	**0.0016**	**0.0024**	**0.0022**	**0.0015**
	SILVER	mg/l		0.1	<0.0001	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	URANIUM	mg/l	0.03	0.03	**0.0047**	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	--	**0.0026**	**0.0018**	**0.0027**	**0.0023**	**0.0019**	**0.0024**	**0.0041**	**0.0039**	**0.0045**

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			MCF-BW-08	MCF-BW-10A	MC-MW-09	MC-MW-10	MC-MW-11	MC-MW-12	MC-MW-15	MC-MW-17	MC-MW-18	MC-MW-29	MC-MW-30
		Date			5/13/2013	5/13/2013	5/9/2013	5/10/2013	5/7/2013	5/13/2013	5/10/2013	5/6/2013	5/9/2013	5/6/2013	5/3/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**92J-CAB**	**120J-CAB**	**96**	**120**	**88**	**64**	**72**	**300**	**68**	**180**	**96**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**92J-CAB**	**120J-CAB**	**96**	**120**	**88**	**64**	**72**	**300**	**68**	**180**	**96**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	**0.26**	<1.2	**0.24**	<1.2	**0.28**	**0.27**	<1.2	**0.24J-**	**0.41**	<1.2UJ	<1.2UJ
	BROMIDE (Dissolved)	mg/L		12.4	**0.80J+**	**1.6J+**	**0.59**	<10	**0.81**	<0.50	<10	<50	<10	<10	<25
	CALCIUM (Dissolved)	mg/L			**45J-CAB**	**93**	**47**	**1300**	**56**	**53J-CAB**	**370**	**1400**	**540**	**510**	**660**
	CHLORIDE (Dissolved)	mg/L			**270J-CAB**	**410J-CAB**	**180**	**10000J-**	**250**	**310**	**20000J-**	**17000**	**3200**	**4300**	**4700**
	FLUORIDE (Dissolved)	mg/L	4	4	**0.77J-CAB**	**0.96J-CAB**	**0.99**	<10	**0.74**	**0.61**	<10	<50	<10	<10	<25
	MAGNESIUM (Dissolved)	mg/L		207	**28J-CAB**	**40**	**23**	**1200**	**26**	**33J-CAB**	**400**	**820**	**350**	**380**	**500**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	**0.088J,J-CAB**	**1.7J+,J-CAB**	**0.41**	<2.2	<0.11	**0.32J+**	<2.2	**8.1J-**	<2.2	<2.2UJ	<5.5
	NITRITE (AS N) (Dissolved)	mg/L		1	<0.15	<0.30	<0.15	<3.0	<0.15	<0.15	<3.0	<15	<3.0	<3.0	<7.5
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<0.50	<1.0	<0.50	<10	<0.50	<0.50	<10	<50	<10	<10	**54J+**
	PERCHLORATE (Dissolved)	ug/L		18	**0.33**	**1100**	**0.33**	**1.2**	**0.23**	**2.5**	**0.43**	**190J**	**9.9**	<0.50	**1.8**
	PH (Dissolved)	ph Units			**7.73J**	**6.58J**	**7.88J**	**6.95J**	**7.76J**	**7.74J**	**5.85J**	**6.34J**	**7.06J**	**5.79J**	**6.03J**
	POTASSIUM (Dissolved)	mg/L			**8.7J-CAB**	**12**	**9.6**	**57**	**10**	**8.8J-CAB**	**75**	**96**	**33**	**36**	**36J**
	SODIUM (Dissolved)	mg/L			**180J-CAB**	**340**	**170**	**3800**	**180**	**180J-CAB**	**13000**	**9100**	**1100**	**2400**	**2000**
	SULFATE (Dissolved)	mg/L			**230J-CAB**	**680J-CAB**	**220**	**1800J-**	**250**	**170**	**2700J-**	**3200**	**980**	**1500**	**1300**
	TOTAL ANIONS (Dissolved)	meq/L			**14**	**28**	**12**	**320**	**14**	**14**	**620**	**550**	**110**	**160**	**160**
	TOTAL CATIONS (Dissolved)	meq/L			**13**	**23**	**12**	**330**	**13**	**13**	**620**	**540**	**100**	**160**	**160**
	CATION/ANION BALANCE (Dissolved)	%			**-6**	**-10**	**0**	**1**	**-4**	**-1**	**0**	**-2**	**-3**	**2**	**0**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**830**	**1500**	**720**	**23000**	**840**	**890**	**740**	**37000**	**7800**	**10000**	**13000**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	**0.007**	<0.01	<0.01	<0.02	<0.01	<0.01	<0.05	<0.01	<0.01	**0.011**	**0.012**
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**19**	**46**	**23**	**52**	**43**	**11**	**140**	**11**	**4.8**	**34**	**9**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.027**	**0.020**	**0.025**	**0.081**	**0.037**	**0.048**	**0.053**	**0.065J+**	**0.094**	**0.069J+**	**0.078J+**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	<0.0005	**0.0081**	**0.0039**	<0.0005	<0.0005	**0.0039**	**0.00032**	**0.0014J+**	<0.0005	**0.00032J+**	**0.0043J+**
	IRON (Dissolved)	mg/l		0.3	<0.01	<0.01	**0.012**	<0.02	<0.01	<0.01	**13**	**54**	**6.3**	**0.69**	**1.6J**
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	<0.0001	<0.0001	**0.000056J**	<0.0001	<0.0001	**0.00016**	<0.0001	<0.0001	**0.00005J**	<0.0001	**0.000056J**
	MANGANESE (Dissolved)	mg/l		0.02	**0.038**	**0.00092**	**0.012**	**2.8**	**0.0039**	**0.054**	**1.2**	**0.71**	**0.18**	**0.32**	**1.3**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020UJ	<0.00020	<0.00020UJ	<0.00020UJ
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	**0.00089**	**0.0039**	**0.0018**	**0.0012**	**0.00059**	**0.0014**	**0.0020**	**0.0086**	**0.0018**	<0.0005	**0.00098**
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.0061**	**0.0042**	**0.0021**	**0.033**	**0.0028**	**0.0011**	**0.086**	**0.12**	**0.0033**	**0.053**	**0.0044**

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			MC-MW-31	MC-MW-32	MC-MW-33	MC-MW-34	MC-MW-35	MC-MW-36	MC-MW-37	MC-MW-38	MC-MW-39	MC-MW-41	MC-MW-42
		Date			5/9/2013	5/9/2013	5/8/2013	4/30/2013	4/30/2013	4/30/2013	4/30/2013	5/6/2013	4/30/2013	5/3/2013	5/2/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**110**	**96**	**190**	**110**	**96J-CAB**	**100**	**140J-CAB**	**120**	**56J-CAB**	**10**	**88**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**110**	**96**	**190**	**110**	**96J-CAB**	**100**	**140J-CAB**	**120**	**48J-CAB**	**10**	**88**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**8.0J-CAB**	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	**0.59**	**0.41**	<1.2	**0.27**	**0.3**	**0.6**	**0.32**	**0.24J-**	**0.32**	**0.68**	<1.2
	BROMIDE (Dissolved)	mg/L		12.4	<10	<10	**0.74**	<1.0	**0.53**	<1.0	<5.0	**5.6**	**0.91**	<25	**0.55**
	CALCIUM (Dissolved)	mg/L			**460**	**420**	**33**	**110**	**40J-CAB**	**110**	**570J-CAB**	**380**	**19J-CAB**	**1300**	**31**
	CHLORIDE (Dissolved)	mg/L			**2800**	**2100**	**170J-**	**620J-**	**110J-,J-CAB**	**700J-**	**2000J-,J-CAB**	**1600**	**180J-,J-CAB**	**17000**	**170**
	FLUORIDE (Dissolved)	mg/L	4	4	<10	<10	**1**	**1**	**0.79J-CAB**	**1**	<5.0	<5.0	**0.79J-CAB**	<25	**0.75**
	MAGNESIUM (Dissolved)	mg/L		207	**290**	**270**	**27**	**68**	**24J-CAB**	**82**	**360J-CAB**	**230**	**19J-CAB**	**650**	**19**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	<2.2	<2.2	<0.11UJ	**0.79**	**0.49J-CAB**	<0.22	**6.4J-CAB**	<1.1UJ	<0.11	<5.5	<0.11
	NITRITE (AS N) (Dissolved)	mg/L		1	<3.0	<3.0	<0.15	<0.30	<0.15	<0.30	<1.5	<1.5	<0.15	<7.5	<0.15
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<10	<10	<0.50	<1.0	<0.50	<1.0	<5.0	<5.0	<0.50	**160J+**	<0.50
	PERCHLORATE (Dissolved)	ug/L		18	**0.089**	**3200J**	<0.50	**0.37**	**0.49**	**0.082**	**120000**	<0.50	**1.8**	**32J**	**1**
	PH (Dissolved)	ph Units			**6.05J**	**7.71J**	**7.73J**	**5.32**	**8.11J**	**6.67J**	**6.73**	**6.36J**	**8.91J**	**5.88J**	**6.10J**
	POTASSIUM (Dissolved)	mg/L			**26**	**23**	**7.2**	**13**	**8.7J-CAB**	**14**	**30J-CAB**	**18**	**16J-CAB**	**330J**	**12J**
	SODIUM (Dissolved)	mg/L			**870**	**1200**	**160**	**310**	**150J-CAB**	**310**	**840J-CAB**	**680**	**190J-CAB**	**8800**	**150**
	SULFATE (Dissolved)	mg/L			**590**	**1800**	**140**	**270**	**200J-CAB**	**300**	**730J-CAB**	**980**	**160J-CAB**	**1900**	**160**
	TOTAL ANIONS (Dissolved)	meq/L			**93**	**99**	**12**	**25**	**9.2**	**28**	**76**	**68**	**9.6**	**520**	**9.9**
	TOTAL CATIONS (Dissolved)	meq/L			**85**	**96**	**11**	**25**	**11**	**26**	**95**	**68**	**11**	**510**	**9.9**
	CATION/ANION BALANCE (Dissolved)	%			**-5**	**-1**	**-2**	**-1**	**8**	**-4**	**11**	**0**	**8**	**-1**	**0**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**5700**	**6300**	**710**	**1600**	**700**	**1700**	**7100**	**5200**	**710**	**36000**	**630**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	**0.015**	<0.01	<0.01	**0.013**	**0.01**	<0.01	<0.01	<0.01	<0.01	<0.05	**0.075**
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**17**	**20**	**16**	**33**	**36**	**27**	**27**	**38**	**6.5**	**7.1**	**15**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.10**	**0.037**	**0.029**	**0.04**	**0.032**	**0.06**	**0.13**	**0.042J+**	**0.022**	**0.29**	**0.066**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	**0.00037**	**0.00033**	**0.00031**	**0.0074**	**0.015**	**0.00042**	**0.13**	<0.0005	<0.0005	<0.0025	**0.00032**
	IRON (Dissolved)	mg/l		0.3	**80**	**0.015**	**0.0084**	**0.072**	**0.018**	**0.046**	<0.01	**0.055**	<0.01	**17J**	**6.1J**
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	<0.0001	<0.0001	<0.0001	**0.00015**	**0.000081**	<0.0001	<0.0001	<0.0001	<0.0001	**0.00063**	**0.00014**
	MANGANESE (Dissolved)	mg/l		0.02	**2.5**	**0.062**	**0.15**	**0.036**	**0.0094**	**0.13**	**0.024**	**0.33**	**0.021**	**2.2**	**0.14**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020UJ	<0.00020	<0.00020UJ	<0.00020UJ
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	**0.00035**	**0.00072**	<0.0005	**0.0014**	**0.0020**	**0.0010**	**0.0012**	**0.00081**	<0.0005	**0.0015**	<0.0005
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.00064**	<0.0001
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.00068**	**0.013**	**0.0083**	**0.0033**	**0.0057**	**0.0048**	**0.040**	**0.020**	<0.0001	**0.0011**	**0.00029**

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP
	EXCEEDS BCL	Location			DMC-MW-26	DMC-MW-27R	DMC-MW-28	DMC-MW-28	MW-08	TR-01	TR-03	TR-05	TR-07	TR-09
	Detections **BOLDED**	Date			5/14/2013	5/17/2013	5/17/2013	5/17/2013	5/14/2013	5/16/2013	5/16/2013	5/10/2013	5/10/2013	5/2/2013
		Sample Purpose			REG	REG	FD	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers												
Parameter Group	Parameter	Units			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**60J-CAB**	**100**	**56**	**60**	**84**	**72**	**72**	**240J-CAB**	**84**	**80J-CAB**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**60J-CAB**	**100**	**52**	**52**	**84**	**72**	**72**	**240J-CAB**	**84**	**80J-CAB**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	**4**	**8**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	<1.2	**0.28**	**0.28**	**0.26**	<1.2	**0.55**	**1.3**	<1.2	<1.2	<1.2
	BROMIDE (Dissolved)	mg/L		12.4	**0.77**	**1.1J**	**0.82J**	**0.84J**	**0.89**	**0.8**	**0.84**	**0.43**	**0.43**	**0.61**
	CALCIUM (Dissolved)	mg/L			**49J-CAB**	**60**	**31**	**31**	**60**	**47**	**46**	**51J-CAB**	**57**	**60J-CAB**
	CHLORIDE (Dissolved)	mg/L			**180J-CAB**	**190**	**180**	**180**	**200**	**180**	**160**	**170J-,J-CAB**	**170J-**	**150J-CAB**
	FLUORIDE (Dissolved)	mg/L	4	4	**0.77J-CAB**	**0.73**	**0.63**	**0.63**	**0.71**	**0.73**	**0.62**	**0.75J-CAB**	**0.73**	**0.67J-CAB**
	MAGNESIUM (Dissolved)	mg/L		207	**24J-CAB**	**24**	**20**	**20**	**23**	**20J+**	**17J+**	**24J-CAB**	**23**	**22J-CAB**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	**0.71J-CAB**	**1.2**	**0.31**	**0.34**	**0.96**	**1.1**	**1.1**	**1.0J-CAB**	**1**	**1.2J-CAB**
	NITRITE (AS N) (Dissolved)	mg/L		1	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	PERCHLORATE (Dissolved)	ug/L		18	**16**	**2500**	**0.23**	**0.23**	**0.95**	**0.6**	**0.53**	**0.42**	**0.46**	**1.3**
	PH (Dissolved)	ph Units			**8.18J**	**8.11J**	**8.43J**	**8.34J**	**7.90J**	**8.03J**	**7.96J**	**5.89J**	**7.90J**	**7.70J**
	POTASSIUM (Dissolved)	mg/L			**9.6J-CAB**	**9.2**	**7**	**7**	**9.1**	**8**	**6.8**	**8.4J-CAB**	**9.9**	**9.4J,J-CAB**
	SODIUM (Dissolved)	mg/L			**180J-CAB**	**140**	**150**	**150**	**170**	**150**	**140**	**170J-CAB**	**160**	**170J-CAB**
	SULFATE (Dissolved)	mg/L			**230J-CAB**	**240**	**200**	**210**	**250**	**210**	**180**	**220J-,J-CAB**	**220J-**	**230J-CAB**
	TOTAL ANIONS (Dissolved)	meq/L			**11**	**12**	**10**	**11**	**13**	**11**	**9.8**	**14**	**11**	**11**
	TOTAL CATIONS (Dissolved)	meq/L			**13**	**11**	**9.9**	**9.9**	**13**	**11**	**10**	**12**	**12**	**12**
	CATION/ANION BALANCE (Dissolved)	%			**6**	**-5**	**-2**	**-4**	**0**	**-1**	**2**	**-8**	**4**	**8**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**780**	**810**	**680**	**680**	**800**	**720**	**660**	**740**	**790**	**800**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0059**	<0.01	<0.01
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**26**	**30**	**19**	**19**	**27**	**18**	**15**	**23**	**44**	**46**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.03**	**0.049**	**0.033**	**0.033**	**0.038**	**0.044**	**0.044**	**0.027**	**0.029**	**0.028**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.00009**	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	**0.00021**	**0.0041**	**0.002**	**0.002**	**0.068**	**0.012**	**0.0055**	**0.015**	**0.012**	**0.012**
	IRON (Dissolved)	mg/l		0.3	<0.01	<0.01	<0.01	**0.0078**	**0.032**	<0.01	<0.01	<0.01	<0.01	**0.011J**
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.000089**	<0.0001
	MANGANESE (Dissolved)	mg/l		0.02	**0.0074**	**0.0099**	**0.0016**	**0.0017**	**0.007**	**0.0016**	**0.0062**	<0.0005	**0.00031**	**0.0011**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020UJ
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	**0.0017**	**0.0019**	**0.0012**	**0.0015**	**0.0018**	**0.0021**	**0.0023**	**0.0028**	**0.0022**	**0.0022**
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.000066**	<0.0001	<0.0001	<0.0001
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.0014**	**0.0026**	**0.00082**	**0.00082**	**0.0021**	**0.0019**	**0.0015**	**0.0018**	**0.0024**	**0.0020**

See last page for definitions of abbreviations and footnotes

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	DEEP	DEEP
		Aquifer			DEEP	DEEP
		Location			TR-11	TR-12
		Date			5/15/2013	5/15/2013
		Sample Purpose			REG	REG
		Sampling Event			SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**80**	**76J-CAB**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**80**	**76J-CAB**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	<1.2	<1.2
	BROMIDE (Dissolved)	mg/L		12.4	**0.82**	**0.44**
	CALCIUM (Dissolved)	mg/L			**46**	**26J-CAB**
	CHLORIDE (Dissolved)	mg/L			**170J-**	**74J-,J-CAB**
	FLUORIDE (Dissolved)	mg/L	4	4	**0.75**	**0.69J-CAB**
	MAGNESIUM (Dissolved)	mg/L		207	**23**	**14J-CAB**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	**1.0J-**	**2.2J-,J-CAB**
	NITRITE (AS N) (Dissolved)	mg/L		1	<0.15	<0.15
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<0.50	<0.50
	PERCHLORATE (Dissolved)	ug/L		18	**0.51**	**0.66**
	PH (Dissolved)	ph Units			**7.88J**	**7.90J**
	POTASSIUM (Dissolved)	mg/L			**8.5**	**6.5J-CAB**
	SODIUM (Dissolved)	mg/L			**160**	**130J-CAB**
	SULFATE (Dissolved)	mg/L			**220J-**	**190J-,J-CAB**
	TOTAL ANIONS (Dissolved)	meq/L			**11**	**7.6**
	TOTAL CATIONS (Dissolved)	meq/L			**11**	**8.3**
	CATION/ANION BALANCE (Dissolved)	%			**2**	**4**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**770**	**540**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	<0.01	<0.01
	ARSENIC	ug/L	10	10	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**41**	**33**
	BARIUM	mg/l	2	2	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.035**	**0.032**
	CADMIUM	mg/l	0.005	0.005	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	**0.000096**
	CHROMIUM	mg/l	0.1	0.1	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	**0.013**	**0.028**
	IRON (Dissolved)	mg/l		0.3	<0.01	<0.01
	LEAD	mg/l	0.015	0.015	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	<0.0001	**0.00011**
	MANGANESE (Dissolved)	mg/l		0.02	**0.0016**	**0.0075**
	MERCURY	mg/L	0.002	0.002	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	<0.00020
	SELENIUM	mg/l	0.05	0.05	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	**0.0025**	**0.0032**
	SILVER	mg/l		0.1	--	--
	SILVER (Dissolved)	mg/l		0.1	**0.000051**	**0.00041**
	URANIUM	mg/l	0.03	0.03	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.0028**	**0.0023**

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

FOOTNOTES:

a = NDEP Basic Comparison Levels, revision August 5, 2013

ABBREVIATIONS AND QUALIFIERS:

EW PERF = Annual extraction well monitoring round conducted as part of the Groundwater Treatment System monitoring program
SITEWIDE = Sitewide Monitoring Round
TRANSECT = Transect well monitoring round conducted as part of the Groundwater Treatment System monitoring program
REG = Regular Sample
FD = Duplicate Sample
J = The associated value is an estimated quantity.
J- = The associated numerical value is an estimated quantity with a negative bias.
J+ = The associated numerical value is an estimated quantity with a positive bias.
J-CAB = Inorganic analysis: the analytical result is estimated based on failure of cation-anion balance.
UJ = The sample was analyzed for, but was not detected. The associated quantitation or detection limit is an estimate.
-- = Not analyzed

TABLE 5
FIELD PARAMETER DATA
SECOND QUARTER 2013

LOCATION ID	WBZ	SAMPLE DATE	SAMPLING PROGRAM	NORTHING	EASTING	pH	D.O. (mg/l)	ORP (mV)
AA-BW-03A	Shallow	05/02/13	SITEWIDE	26720585.58	825971.0179	7.20	2.21	53
AA-BW-04A	Shallow	04/19/13	BRC	26721142.32	825491.8016	6.97	3.09	-195
AA-BW-05A	Shallow	04/18/13	BRC	26721177.56	825065.4401	7.23	4.22	-215
AA-BW-06A	Shallow	04/18/13	BRC	26721238.26	824476.16	7.48	4.44	-167
AA-BW-08A	Shallow	04/18/13	BRC	26719489.73	825329.7138	7.15	3.63	-237
AA-BW-12A	Shallow	04/18/13	BRC	26718772.36	824440.207	6.99	3.56	-226
AA-MW-05	Shallow	04/25/13	SITEWIDE	26715530.78	824351.37	7.39	5.61	27
AA-MW-07	Shallow	04/22/13	BRC	26719344.4	826126.54	6.75	4.01	-102
AA-MW-13R	Shallow	05/06/13	SITEWIDE	26717045.47	825265.78	10.77	3.61	-143
AA-MW-14	Shallow	05/09/13	SITEWIDE	26717082.46	825660.68	5.94	1.63	66
AA-MW-20	Shallow	05/08/13	SITEWIDE	26716567.82	824824.72	6.56	4.70	97
AA-MW-24	Shallow	04/26/13	SITEWIDE	26715179.28	825495.58	6.86	4.47	93
AA-MW-25	Shallow	05/07/13	SITEWIDE	26717917.91	825508.327	6.66	5.80	-73
AGX-90	Middle	05/08/13	SITEWIDE	26719984.41	822797.723	7.45	6.45	69
B-01	Shallow	05/06/13	SITEWIDE	26717341.36	825676.63	6.18	2.87	87
B-16	Shallow	04/23/13	SITEWIDE	26718137.87	823953.15	6.71	0.20	-156
CP-01	Middle	04/23/13	SITEWIDE	26716403.47	825287.67	6.22	2.93	157
DMC-MW-26	Deep	05/14/13	SITEWIDE	26717360.62	825692.034	7.66	3.78	-205
DMC-MW-27R	Deep	05/17/13	SITEWIDE	26716407.16	825211.51	7.38	11.62	75
DMC-MW-28	Deep	05/17/13	SITEWIDE	26719450.04	825775.483	8.43	5.53	-68
DPT-01	Middle	05/06/13	SITEWIDE	26717349.85	825680.22	8.02	3.27	6
EC-03	Shallow	05/07/13	SITEWIDE	26717247.43	824697.84	6.42	2.45	69
EC-04	Shallow	04/26/13	SITEWIDE	26717035.31	824135.84	6.50	3.29	242
EC-07	Shallow	05/13/13	SITEWIDE	26717808.89	824698.682	5.71	4.29	-151
EC-10	Shallow	05/01/13	SITEWIDE	26717752.81	823570.098	5.59	5.96	180
EC-12	Middle	04/23/13	SITEWIDE	26717268.65	824795.321	7.01	3.06	159
EC-13	Middle	05/08/13	SITEWIDE	26717593.8	824661.582	6.28	2.67	-78
EC-14	Middle	04/24/13	SITEWIDE	26718049.25	824258.278	6.53	1.95	139
H-11	Shallow	04/25/13	SITEWIDE	26714839.94	826574.18	5.74	2.76	-79
H-28	Shallow	04/22/13	BRC	26721021.82	825871.32	6.80	4.56	-52
H-43	Shallow	04/19/13	BRC	26721179.6	824660.68	7.36	3.61	-229
H-49A	Shallow	05/02/13	SITEWIDE	26723485.4	826110.29	7.14	3.90	75
H-55	Shallow	04/26/13	SITEWIDE	26720010.2	823645.49	7.37	2.58	-265
M-007B	Shallow	05/01/13	SITEWIDE	26720979.66	826106.497	7.07	0.19	76.3
M-057A	Shallow	04/25/13	SITEWIDE	26719782.7	826992.8	6.32	3.06	206
M-092	Shallow	05/01/13	SITEWIDE	26717531.9	827138.1	7.52	4.77	116
M-125	Shallow	04/24/13	SITEWIDE	26718993.9	826531.8234	7.12	0.71	82
M-136	Middle	04/25/13	SITEWIDE	26719889.77	827165.342	7.42	2.17	131
M-142	Shallow	04/24/13	SITEWIDE	26718713.09	827191.753	7.48	8.06	174
M-149	Middle	04/24/13	SITEWIDE	26718285.82	828373.093	7.39	2.85	127
M-150	Middle	04/25/13	SITEWIDE	26719569.84	828058.955	7.74	4.58	26
MC-09R	Shallow	04/30/13	SITEWIDE	26721902.48	825450.321	7.03	3.74	80
MC-111	Shallow	05/01/13	SITEWIDE	26721355.46	825942.13	6.89	0.19	22
MC-113	Shallow	04/18/13	TRANSECT	26722279.41	825538.878	7.11	2.16	41
MC-114	Shallow	04/18/13	TRANSECT	26722158.53	825835.009	7.38	2.08	107
MC-47	Shallow	04/16/13	TRANSECT	26722506.05	824640.341	7.45	2.56	269
MC-48	Shallow	04/16/13	TRANSECT	26722431.11	824952.84	7.31	1.74	79
MC-49	Shallow	04/16/13	TRANSECT	26722360.49	825182.72	7.58	1.64	-96

TABLE 5
FIELD PARAMETER DATA
SECOND QUARTER 2013

LOCATION ID	WBZ	SAMPLE DATE	SAMPLING PROGRAM	NORTHING	EASTING	pH	D.O. (mg/l)	ORP (mV)
MC-50	Shallow	04/16/13	TRANSECT	26722076.15	825534.87	7.59	1.49	-111
MC-53	Shallow	04/18/13	TRANSECT	26721920.01	825942.24	7.40	1.97	94
MCF-BW-08	Middle	05/13/13	SITEWIDE	26719495.15	825299.593	7.45	2.99	-95
MCF-BW-10A	Middle	05/13/13	SITEWIDE	26718620.39	823621.718	6.93	8.63	90
MC-MW-09	Middle	05/09/13	SITEWIDE	26716752.37	825794.59	7.27	3.19	-34
MC-MW-10	Middle	05/10/13	SITEWIDE	26717919.06	825523.88	6.16	4.24	-43
MC-MW-11	Middle	05/07/13	SITEWIDE	26717766	824860.15	7.43	2.71	-90
MC-MW-12	Middle	05/13/13	SITEWIDE	26717903.04	826293.89	7.82	3.30	-166
MC-MW-15	Middle	05/10/13	SITEWIDE	26718415.14	825513.65	5.73	3.39	-52
MC-MW-17	Middle	05/06/13	SITEWIDE	26717707.84	826576.824	6.57	4.23	-103
MC-MW-18	Middle	05/09/13	SITEWIDE	26718439.15	826495.85	6.18	3.34	-56
MC-MW-29	Middle	05/06/13	SITEWIDE	26721910.09	825436.285	5.62	4.66	-63
MC-MW-30	Middle	05/03/13	SITEWIDE	26721948.8	825000.217	5.22	3.50	-43
MC-MW-31	Middle	05/09/13	SITEWIDE	26722161.64	824775.798	5.06	6.88	-22
MC-MW-32	Middle	05/09/13	SITEWIDE	26721325.15	826314.47	7.19	0.64	-177
MC-MW-33	Middle	05/08/13	SITEWIDE	26721551.65	825490.04	7.52	2.68	-227
MC-MW-34	Middle	04/30/13	SITEWIDE	26721978.79	824867.16	7.41	0.28	-245
MC-MW-35	Middle	04/30/13	SITEWIDE	26722328.38	824348.15	7.93	1.60	-241
MC-MW-36	Middle	04/30/13	SITEWIDE	26722678.55	825497.46	6.28	2.71	-60
MC-MW-37	Middle	04/30/13	SITEWIDE	26722407.66	826148.51	6.90	2.98	-25
MC-MW-38	Middle	05/06/13	SITEWIDE	26722040.65	826484.48	7.26	4.29	-190
MC-MW-39	Middle	04/30/13	SITEWIDE	26718516.45	826973.766	8.79	1.85	-208
MC-MW-41	Middle	05/03/13	SITEWIDE	26719059.2	826067.641	6.74	4.46	-209
MC-MW-42	Middle	05/02/13	SITEWIDE	26719290.51	826654.906	5.98	2.25	-112
MW-01	Shallow	04/29/13	CLOSED PONDS	26715187.41	825536.01	7.24	7.30	120
MW-02	Shallow	04/29/13	CLOSED PONDS	26716364.2	825639.84	7.01	2.94	38
MW-03	Shallow	04/29/13	CLOSED PONDS	26716390.46	825354.12	6.66	2.65	-156
MW-04	Shallow	04/29/13	CLOSED PONDS	26716415.06	825073.9	6.81	4.17	74
MW-08	Deep	05/14/13	SITEWIDE	26717925.04	825564.56	7.45	7.34	31
MW-AHX	Shallow	04/25/13	SITEWIDE	26721020.3	823443	7.74	4.58	26
MW-A-J	Shallow	05/03/13	SITEWIDE	26726031.22	826455.22	6.19	3.60	98
MW-R	Shallow	04/23/13	SITEWIDE	26725018.3	825423.72	7.17	3.11	142
PC-028	Shallow	04/22/13	SITEWIDE	26725375.9	828530.32	7.07	3.53	131
PC-031	Shallow	04/22/13	SITEWIDE	26725195.94	826781.35	7.48	3.79	73
PC-040	Shallow	05/02/13	SITEWIDE	26723971	826477	7.10	3.77	37
PC-064	Shallow	04/23/13	SITEWIDE	26723702.69	827916.07	7.49	3.22	137
PC-067	Shallow	04/23/13	SITEWIDE	26723846.94	829207.39	5.85	4.05	220
PC-132	Shallow	05/02/13	SITEWIDE	26726723.1	827913.944	7.21	3.50	93
PW-01	Shallow	05/07/13	SITEWIDE	26716402.77	825302.29	8.73	4.46	60
TR-01	Deep	05/16/13	SITEWIDE	26719958	826168	7.48	9.65	109
TR-03	Deep	05/16/13	SITEWIDE	26718942	826343	7.06	9.21	77
TR-05	Deep	05/10/13	SITEWIDE	26717592	826596	7.31	9.29	39
TR-07	Deep	07/17/13	SITEWIDE	26716525	826725	8.17	7.16	110
TR-09	Deep	05/02/13	SITEWIDE	26715753	827560	7.54	6.79	82
TR-11	Deep	05/15/13	SITEWIDE	26721918	825423	7.62	11.26	104
TR-12	Deep	05/15/13	SITEWIDE	26723271.92	825286.23	7.15	7.40	36
WELL-C	Shallow	04/19/13	EXTRACTION WELL	26722157.41	824604.78	7.87	--	--

TABLE 5
FIELD PARAMETER DATA
SECOND QUARTER 2013

LOCATION ID	WBZ	SAMPLE DATE	SAMPLING PROGRAM	NORTHING	EASTING	pH	D.O. (mg/l)	ORP (mV)
WELL-D2	Shallow	04/19/13	EXTRACTION WELL	26721801.9	825124.062	8.06	--	--
WELL-E3	Shallow	04/19/13	EXTRACTION WELL	26721705.66	825263.64	7.28	--	--
WELL-F	Shallow	04/19/13	EXTRACTION WELL	26721607.4	825407.5	7.90	--	--
WELL-G	Shallow	04/19/13	EXTRACTION WELL	26721526.56	825525.13	7.88	--	--
WELL-H2	Shallow	04/19/13	EXTRACTION WELL	26721467.01	825614.58	7.72	--	--
WELL-I	Shallow	04/19/13	EXTRACTION WELL	26721329.16	825814.25	7.38	--	--
WELL-J	Shallow	04/19/13	EXTRACTION WELL	26721983.74	824858.85	7.46	--	--
WELL-K2	Shallow	04/19/13	EXTRACTION WELL	26721397.81	825712.42	7.28	--	--
WELL-L	Shallow	04/19/13	EXTRACTION WELL	26721664.3	825323.72	7.36	--	--
WELL-M2	Shallow	04/19/13	EXTRACTION WELL	26721358.75	825769.742	7.30	--	--
WELL-N	Shallow	04/19/13	EXTRACTION WELL	26721893.86	824991.644	8.02	--	--
WELL-O	Shallow	04/19/13	EXTRACTION WELL	26721566.82	825467.246	7.50	--	--
WELL-P	Shallow	04/19/13	EXTRACTION WELL	26722082.08	824714.381	7.81	--	--
WELL-Q	Shallow	04/19/13	EXTRACTION WELL	26722047.17	824764.38	8.08	--	--
WELL-R	Shallow	04/19/13	EXTRACTION WELL	26722013.11	824809.93	7.48	--	--

-- =not measured

HARGIS + ASSOCIATES, INC.

TABLE 6
SHALLOW ZONE WATER QUALITY DATA
2013 COMPOUND PREVALENCE*

Analyte Group	Parameter	Units	EPA Maximum Contaminant Limit	NDEP Basic Comparison Level	Minimum Detection	Mean Detection	Median Detection	Maximum Detection	Standard Deviation of Detections	Minimum Non Detected Value (SQL)	Maximum Non Detected Value (SQL)	Number of Detects greater than MCL	Number of Detects greater than BCL	Total Number of Analyses	Number of Detects	Number of Non-Detects
GENERAL CHARACTERIZATION	AMMONIA (AS NH3)	mg/L		0.209	0.24	0.433	0.35	2.0	0.344	0.24	0.24	0	27	33	27	6
	BROMIDE	mg/L		12.4	1.2	6.09	2.6	44	12	1.8	35	0	1	33	12	21
	FLUORIDE	mg/L	4	4	0.67	10.6	3.5	55	19.8	0.70	35	2	2	33	7	26
	MAGNESIUM	mg/L		207	16	288	200	980	237	0.60	0.6	0	16	33	32	1
	NITRATE (AS N)	mg/L	10	10	1.1	9.25	5.4	35	10.7	0.080	8.0	5	5	33	19	14
	PERCHLORATE	ug/L		18	1.4	30500	375	310000	75200	0.082	0.082	0	25	33	30	3
	TOTAL DISSOLVED SOLIDS	mg/L			1300	11800	7900	110000	16000			0	0	49	49	0
TRACE METALS	ALUMINUM	mg/l		0.05	0.0062	2.36	0.03	14	5.7	0.0050	0.025	0	2	33	6	27
	ARSENIC	ug/L	10	10	0.14	161	110	2000	282	0.050	0.050	46	46	49	48	1
	BARIUM	mg/l	2	2	0.010	0.115	0.037	3.8	0.538	n/a	n/a	1	1	49	49	0
	CHROMIUM	mg/l	0.1	0.1	0.00021	0.0834	0.00175	1.1	0.263	0.00020	0.0010	3	3	49	32	17
	IRON	mg/l		0.3	0.0075	11.6	0.039	160	42.7	0.0070	0.035	0	3	33	14	19
	LEAD	mg/l	0.015	0.015	0.000058	0.00231	0.000105	0.043	0.00958	0.000050	0.00025	1	1	49	20	29
	MANGANESE	mg/l		0.02	0.00047	1.81	0.05	35	6.11	n/a	n/a	0	23	33	33	0
	URANIUM	mg/l	0.03	0.03	0.000053	0.035	0.018	0.30	0.0544	n/a	n/a	17	17	49	49	0
ORGANIC ACIDS	BENZENESULFONIC ACID	ug/L		18250	19000	19000	19000	19000	n/a	n/a	n/a	0	1	1	1	0
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	26000	26000	26000	26000	n/a	n/a	n/a	0	1	1	1	0
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	6300	6300	6300	6300	n/a	n/a	n/a	0	1	1	1	0
PESTICIDES	4,4'-DDE	ug/L		0.198	0.0039	0.652	0.65195	1.3	0.916	0.0028	0.029	0	1	60	2	58
	4,4'-DDT	ug/L		0.198	0.78	1.04	1.04	1.3	0.368	0.0038	0.038	0	2	60	2	58
	ALPHA-BHC	ug/L		10.95	0.0032	15	0.85	370	55.8	0.0024	0.024	0	8	60	51	9
	BETA-BHC	ug/L		2.19	0.0047	10.1	5	70	14.3	0.0038	0.038	0	27	60	43	17
	DELTA-BHC	ug/L		11	0.0034	2.38	1.4	27	4.25	0.0033	0.034	0	1	60	44	16
	DIELDRIN	ug/L		0.00420	0.014	0.117	0.066	0.27	0.135	0.0019	0.019	0	3	60	3	57
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	0.0033	5.23	0.035	150	25.5	0.0028	0.029	10	10	60	35	25
	TOXAPHENE	ug/L	3	3	10	10	10	10	n/a	0.24	2.4	1	1	60	1	59
VOLATILE ORGANIC COMPOUNDS	1,1-DICHLOROETHANE	ug/L		2.42	0.96	17.8	4.1	140	38.7	0.40	200	0	15	60	22	38
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	1.2	75.1	54.5	340	80.8	0.48	240	15	15	60	32	28
	1,2-DICHLOROBENZENE	ug/L	600	600	0.32	2320	90	28000	6380	0.32	160	10	10	60	37	23
	1,2-DICHLOROETHANE	ug/L	5	5	0.32	4.1	1.9	16	5.13	0.28	140	3	3	60	16	44
	1,3-DICHLOROBENZENE	ug/L		86.7	1.0	169	8.5	1400	390	0.35	180	0	6	60	26	34
	1,4-DICHLOROBENZENE	ug/L	75	75	0.54	2600	91.5	31000	6800	0.37	190	19	19	60	38	22
	BENZENE	ug/L	5	5	0.44	30500	1100	390000	90200	0.28	1.1	24	24	60	35	25
	CARBON TETRACHLORIDE	ug/L	5	5	0.54	147	6.35	940	276	0.28	110	7	7	60	12	48
	CHLOROBENZENE	ug/L	100	100	0.5	16600	2300	170000	32500	0.36	1.4	29	29	60	38	22
	CHLOROFORM	ug/L	80	0.193	0.38	5890	9.1	120000	19300	0.33	66	17	47	60	47	13
	METHYLENE CHLORIDE	ug/L	5	5	1.1	192	26.1	730	297	0.95	480	6	6	60	10	50
	NAPHTHALENE	ug/L		0.143	0.61	0.665	0.665	0.72	0.0778	0.41	210	0	2	60	2	58
	TETRACHLOROETHENE	ug/L	5	5	0.62	33	1.55	220	69.4	0.32	130	4	4	60	12	48
	TRICHLOROETHENE	ug/L	5	5	0.26	22	2.9	120	30.9	0.26	130	11	11	60	25	35

* =Prevalence table does not include statistics from Tronox or BRC monitored wells

n/a = not applicable

SQL value exceeds MCL and/or BCL

HARGIS + ASSOCIATES, INC.

TABLE 7
MIDDLE ZONE WATER QUALITY DATA
2013 COMPOUND PREVALENCE*

Analyte Group	Parameter	Units	EPA Maximum Contaminant Limit	NDEP Basic Comparison Level	Minimum Detection	Mean Detection	Median Detection	Maximum Detection	Standard Deviation of Detections	Minimum Non Detected Value (SQL)	Maximum Non Detected Value (SQL)	Number of Detects greater than MCL	Number of Detects greater than BCL	Total Number of Analyses	Number of Detects	Number of Non-Detects
GENERAL CHARACTERIZATION	AMMONIA (AS NH3)	mg/L		0.209	0.24	0.498	0.32	2.4	0.483	0.24	0.24	0	20	31	20	11
	MAGNESIUM	mg/L		207	14	199	40	1200	281	n/a	n/a	0	11	31	31	0
	PERCHLORATE	ug/L		18	0.082	19500	1.1	350000	69700	0.082	0.082	0	8	31	28	3
	TOTAL DISSOLVED SOLIDS	mg/L			530	5540	890	37000	9570	n/a	n/a	0	0	31	31	0
TRACE METALS	ALUMINUM	mg/l		0.05	0.0051	0.0161	0.0105	0.075	0.019	0.005	0.025	0	1	31	12	19
	ARSENIC	ug/L	10	10	4.8	30.5	27	140	25	n/a	n/a	26	26	31	31	0
	CHROMIUM	mg/l	0.1	0.1	0.00031	0.14	0.0043	2.9	0.602	0.0002	0.0010	2	2	31	23	8
	IRON	mg/l		0.3	0.0076	10.5	0.28	80	22.3	0.007	0.014	0	8	31	17	14
	MANGANESE	mg/l		0.02	0.0005	0.399	0.038	2.8	0.774	n/a	n/a	0	20	31	31	0
	URANIUM	mg/l	0.03	0.03	0.00029	0.0151	0.0041	0.12	0.0278	0.00005	0.00005	5	5	31	30	1
PESTICIDES	4,4'-DDE	ug/L		0.198	0.0048	2.45	0.15	9.5	4.7	0.0028	0.030	0	2	31	4	27
	4,4'-DDT	ug/L		0.198	0.012	1.1	0.0275	6.5	2.64	0.0037	0.040	0	1	31	6	25
	ALPHA-BHC	ug/L		10.95	0.0037	41.5	0.505	870	185	0.0024	0.0026	0	2	31	22	9
	BETA-BHC	ug/L		2.19	0.0051	15.6	0.34	160	48	0.0037	0.0044	0	2	31	11	20
	DELTA-BHC	ug/L		11	0.0083	7.75	0.27	64	21.1	0.0033	0.017	0	1	31	9	22
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	0.0033	17.2	0.032	280	67.8	0.0028	0.0033	7	7	31	17	14
VOLATILE ORGANIC COMPOUNDS	1,1,2-TRICHLOROETHANE	ug/L	5	5	64	64	64	64	n/a	0.3	60	1	1	31	1	30
	1,1-DICHLOROETHANE	ug/L		2.42	1.5	85.7	20	610	178	0.4	80	0	9	31	11	20
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	6.3	310	14	910	520	0.48	96	1	1	31	3	28
	1,2-DICHLOROBENZENE	ug/L	600	600	0.41	932	81	6300	1770	0.32	64	6	6	31	21	10
	1,2-DICHLOROETHANE	ug/L	5	5	0.97	49.4	12	370	111	0.28	56	6	6	31	11	20
	1,3-DICHLOROBENZENE	ug/L		86.7	1.3	99.8	61	300	112	0.35	70	0	4	31	8	23
	1,4-DICHLOROBENZENE	ug/L	75	75	0.41	1450	63	12000	3150	0.37	0.37	12	12	31	24	7
	BENZENE	ug/L	5	5	0.76	10800	71	86000	21400	0.28	0.28	19	19	31	25	6
	BROMODICHLOROMETHANE	ug/L	80	0.117	0.36	0.36	0.36	0.36	n/a	0.30	60	0	1	31	1	30
	CARBON TETRACHLORIDE	ug/L	5	5	0.5	646	510	1500	640	0.28	56	6	6	31	7	24
	CHLOROBENZENE	ug/L	100	100	0.58	32700	270	240000	60800	0.36	0.36	14	14	31	27	4
	CHLOROFORM	ug/L	80	0.193	0.93	12300	96	120000	29400	0.33	66	11	21	31	21	10
	HEXACHLOROBUTADIENE	ug/L		0.862	110	110	110	110	n/a	0.38	76	0	1	31	1	30
	METHYLENE CHLORIDE	ug/L	5	5	1	856	26.95	4600	1580	0.95	190	7	7	31	12	19
	NAPHTHALENE	ug/L		0.143	0.44	0.44	0.44	0.44	n/a	0.41	82	0	1	31	1	30
	TETRACHLOROETHENE	ug/L	5	5	0.35	34.4	23	80	41	0.32	64	2	2	31	3	28
	TRICHLOROETHENE	ug/L	5	5	6.9	17.95000005	17.95	29	15.6	0.26	52	2	2	31	2	29

* Prevalence table does not include statistics from NERT monitored wells

n/a =not applicable

SQL value exceeds MCL and/or BCL

HARGIS + ASSOCIATES, INC.

TABLE 8
DEEP ZONE WATER QUALITY DATA
2013 COMPOUND PREVALENCE*

Analyte Group	Parameter	Units	EPA Maximum Contaminant Limit	NDEP Basic Comparison Level	Minimum Detection	Mean Detection	Median Detection	Maximum Detection	Standard Deviation of Detections	Minimum Non Detected Value (SQL)	Maximum Non Detected Value (SQL)	Number of Detects greater than MCL	Number of Detects greater than BCL	Total Number of Analyses	Number of Detects	Number of Non-Detects
GENERAL CHARACTERIZATION	AMMONIA (AS NH3)	mg/L		0.209	0.26	0.597	0.415	1.3	0.487	0.24	0.24	0	4	11	4	7
	PERCHLORATE	ug/L		18	0.23	229	770	2500	753	n/a	n/a	0	1	11	11	0
	TOTAL DISSOLVED SOLIDS	mg/L			540	735	0.6	810	82	n/a	n/a	0	0	11	11	0
TRACE METALS	ARSENIC	ug/L	10	10	15	29.3	27	46	10.7	n/a	n/a	11	11	11	11	0
VOLATILE ORGANIC COMPOUNDS	BROMODICHLOROMETHANE	ug/L	80	0.117	0.32	0.42	0.42	0.52	0.141	0.30	0.30	0	2	11	2	9
	CHLOROFORM	ug/L	80	0.193	0.35	0.642	0.68	0.8	0.178	0.33	0.33	0	5	11	5	6

* =Prevalence table does not include statistics from NERT monitored wells

n/a =not applicable

SQL value exceeds MCL and/or BCL

TABLES

HARGIS + ASSOCIATES, INC.

TABLE 1
WATER LEVEL DATA
SECOND QUARTER 2013

WELL IDENTIFIER	WATER BEARING ZONE	DATE MEASURED	MEASURING POINT ELEVATION FEET AMSL	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION FEET AMSL	TOP OF NAPL (FEET)	NAPL THICKNESS FEET
AA-BW-01A	Shallow	4/16/2013	1754.56	38.31	1716.25		
AA-BW-02A	Shallow	4/16/2013	1748.80	40.35	1708.45		
AA-BW-03A	Shallow	4/16/2013	1741.63	38.80	1702.83		
AA-BW-04A*	Shallow	4/19/2013	1731.49	37.80	1693.69		
AA-BW-05A*	Shallow	4/18/2013	1731.40	32.69	1698.71		
AA-BW-06A*	Shallow	4/18/2013	1731.40	31.33	1700.07		
AA-BW-08A*	Shallow	4/18/2013	1763.18	49.97	1713.21		
AA-BW-09A	Shallow	4/16/2013	1763.12	47.33	1715.79		
AA-BW-12A*	Shallow	4/18/2013	1778.54	49.61	1728.93		
AA-MW-05	Shallow	4/17/2013	1843.06	46.82	1796.24	NE	NE
AA-MW-07*	Shallow	4/22/2013	1764.22	37.19	1727.03		
AA-MW-13R	Shallow	4/17/2013	1808.74	38.05	1770.69	NE	NE
AA-MW-14	Shallow	4/17/2013	1811.31	37.03	1774.28	NE	NE
AA-MW-20	Shallow	4/17/2013	1813.26	32.72	1780.54	NE	NE
AA-MW-24	Shallow	4/18/2013	1853.58	59.99	1793.59	NE	NE
AA-MW-25	Shallow	4/17/2013	1803.87	55.82	1748.05	NE	NE
B-01	Shallow	4/17/2013	1807.14	38.82	1768.32	NE	NE
B-16	Shallow	4/17/2013	1787.20	44.23	1742.97		
EC-03	Shallow	5/20/2013	1804.04	40.12	1763.92	NE	NE
EC-04	Shallow	4/17/2013	1811.48	45.25	1766.23		
EC-07	Shallow	4/18/2013	1797.97	51.74	1746.23	NE	NE
EC-10	Shallow	4/18/2013	1792.08	42.06	1750.02	NE	NE
H-11	Shallow	4/17/2013	1868.47	70.78	1797.69	NE	NE
H-18A	Shallow	4/16/2013	1726.36	27.19	1699.17		
H-21R	Shallow	4/16/2013	1730.35	30.78	1699.57		
H-28	Shallow	4/16/2013	1732.90	38.43	1694.47		
H-43	Shallow	4/16/2013	1731.22	31.14	1700.08		
H-49A	Shallow	4/24/2013	1687.96	24.57	1663.39		
H-55	Shallow	4/17/2013	1752.15	40.78	1711.37		
H-56A	Shallow	4/16/2013	1684.13	21.67	1662.46		
H-58A	Shallow	4/16/2013	1693.43	27.42	1666.01		
M-007B	Shallow	4/16/2013	1732.83	35.40	1697.43		
M-057A	Shallow	4/17/2013	1753.44	28.78	1724.66		
M-092	Shallow	4/17/2013	1800.76	35.61	1765.15		
M-125	Shallow	4/17/2013	1771.33	37.20	1734.13		
M-142	Shallow	4/17/2013	1773.55	30.17	1743.38		
MC-09R	Shallow	4/17/2013	1717.88	31.13	1686.75		
MC-111	Shallow	4/17/2013	1726.50	37.52	1688.98		
MC-113	Shallow	4/15/2013	1705.34	24.05	1681.29		
MC-114	Shallow	4/15/2013	1706.92	26.72	1680.20		
MC-116	Shallow	4/15/2013	1712.35	18.90	1693.45		
MC-47	Shallow	4/15/2013	1710.42	32.76	1677.66		
MC-48	Shallow	4/15/2013	1709.90	30.15	1679.75		
MC-49	Shallow	4/15/2013	1710.08	28.60	1681.48		
MC-50	Shallow	4/15/2013	1713.32	28.98	1684.34		
MC-53	Shallow	4/15/2013	1715.27	30.96	1684.31		
MW-AHX	Shallow	4/18/2013	1735.60	32.11	1703.49		
MW-A-J	Shallow	4/18/2013	1649.64	7.28	1642.36		
MW-R	Shallow	4/18/2013	1667.90	10.51	1657.39		
PC-028	Shallow	4/18/2013	1650.80	11.43	1639.37		
PC-031	Shallow	4/18/2013	1657.91	9.93	1647.98		
PC-064	Shallow	4/18/2013	1675.25	9.86	1665.39		
PC-067	Shallow	4/18/2013	1673.91	13.42	1660.49		

HARGIS + ASSOCIATES, INC.

TABLE 1
WATER LEVEL DATA
SECOND QUARTER 2013

WELL IDENTIFIER	WATER BEARING ZONE	DATE MEASURED	MEASURING POINT ELEVATION FEET AMSL	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION FEET AMSL	TOP OF NAPL (FEET)	NAPL THICKNESS FEET
PW-01	Shallow	4/17/2013	1827.38	45.40	1781.98		
WELL-A	Shallow	4/15/2013	1714.70	21.15	1693.55		
WELL-B	Shallow	4/15/2013	1717.46	24.68	1692.78		
AGX-90	Middle	4/17/2013	1750.01	29.01	1721.00	NE	NE
CP-01	Middle	4/17/2013	1827.62	32.43	1795.19	NE	NE
DPT-01	Middle	4/17/2013	1807.57	36.71	1770.86	NE	NE
EC-12	Middle	4/17/2013	1804.87	37.05	1767.82	NE	NE
EC-13	Middle	4/18/2013	1805.79	42.51	1763.28	NE	NE
EC-14	Middle	4/24/2013	1791.92	43.50	1748.42	NE	NE
M-136	Middle	4/17/2013	1751.87	27.78	1724.09	NE	NE
M-149	Middle	4/17/2013	1796.82	42.60	1754.22	NE	NE
M-150	Middle	4/17/2013	1759.11	22.30	1736.81	NE	NE
MCF-BW-08	Middle	5/13/2013	1763.39	48.11	1715.28		
MCF-BW-10A	Middle	5/13/2013	1779.36	42.95	1736.41		
MC-MW-09	Middle	4/17/2013	1814.98	36.20	1778.78	NE	NE
MC-MW-10	Middle	4/17/2013	1803.91	56.70	1747.21	NE	NE
MC-MW-11	Middle	4/17/2013	1804.50	57.37	1747.13	NE	NE
MC-MW-15	Middle	4/17/2013	1789.55	51.66	1737.89	NE	NE
MC-MW-17	Middle	4/17/2013	1800.42	37.67	1762.75	NE	NE
MC-MW-18	Middle	4/17/2013	1787.10	43.51	1743.59	(1)	(1)
MC-MW-29	Middle	4/17/2013	1717.55	30.79	1686.76	NE	NE
MC-MW-30	Middle	4/17/2013	1718.23	27.41	1690.82	NE	NE
MC-MW-31	Middle	4/17/2013	1716.85	29.77	1687.08	NE	NE
MC-MW-32	Middle	4/17/2013	1723.25	30.93	1692.32	NE	NE
MC-MW-33	Middle	4/17/2013	1721.20	32.12	1689.08	NE	NE
MC-MW-34	Middle	4/17/2013	1715.91	25.74	1690.17	NE	NE
MC-MW-35	Middle	4/17/2013	1712.66	18.85	1693.81	NE	NE
MC-MW-36	Middle	4/17/2013	1702.38	27.49	1674.89	NE	NE
MC-MW-37	Middle	4/17/2013	1703.91	29.95	1673.96	NE	NE
MC-MW-38	Middle	4/17/2013	1709.41	28.45	1680.96	NE	NE
MC-MW-39	Middle	4/17/2013	1784.86	38.62	1746.24	NE	NE
MC-MW-41	Middle	4/17/2013	1771.23	41.41	1729.82	NE	NE
MC-MW-42	Middle	4/17/2013	1764.50	35.70	1728.80	NE	NE
DMC-MW-26	Deep	5/20/2013**	1807.96	-5.78	1813.74		
DMC-MW-27R	Deep	4/17/2013	1827.80	8.61	1819.19		
DMC-MW-28	Deep	4/17/2013	1763.03	-2.31	1765.34		
MW-08	Deep	4/17/2013	1803.63	-9.24	1812.87		
TR-01	Deep	4/17/2013	1752.18	0.00	1752.18		
TR-03	Deep	4/17/2013	1772.84	0.00	1772.84		
TR-05	Deep	4/17/2013	1800.27	0.00	1800.27		
TR-07	Deep	4/17/2013	1829.03	10.89	1818.14		
TR-09	Deep	4/18/2013	1854.29	36.76	1817.53		
TR-11	Deep	4/17/2013	1717.12	0.00	1717.12		
TR-12	Deep	4/17/2013	1695.84	0.30	1695.54		

Footnotes:

* measurement provided by BRC

** Remeasurement

NE Not encountered

AMSL ove mean sea level

(1) = The NAPL thickness originally reported for this well was 21.75 feet on April 17, 2013. This thickness is considered erroneous because this thickness is not consistent with the Montrose long-term DNAPL monitoring program initiated in September 2011. The maximum thickness of NAPL measured at this well during the program period was 6 feet, and NAPL was not measureable in this well immediately before or after April 2013.

HARGIS + ASSOCIATES, INC.

TABLE 2

VERTICAL HEAD DIFFERENCES
SECOND QUARTER 2013

Well Cluster	Screened Formation	Location ID	Date	Screen Midpoint Elevation	Static Ground water Elevation	TDS (mg/l[a])	Water Density (kg/m^3 [b])	Corrected Groundwater Elevations	Hydraulic Head Difference (in feet with respect to overlying unit [Shallow Zone/Middle Zone])	Hydraulic Gradient (ft/ft)
1	Shallow	B-01	4/17/2013	1,757.39	1768.32	22,000	1,013.58	1,768.47		
	Middle	DPT-01	4/17/2013	1,686.45	1770.86	730	997.63	1,770.66	+2.19	+0.031
	Deep	DMC-MW-26	5/20/2013	1,530.96	1813.74	780	997.67	1,813.08	+44.61/+42.42	+0.197/+0.273
2	Shallow	AA-MW-25	4/17/2013	1,749.87	1748.05	14,000	1,007.58	1,748.04		
	Middle	MC-MW-10	4/17/2013	1,701.21	1747.21	23,000	1,014.33	1,747.87	-0.17	-0.003
	Deep	MW-08	4/17/2013	1,515.95	1812.87	800	997.68	1,812.18	+64.14/+64.31	+0.274/+0.347
3	Shallow	PW-01	4/17/2013	1,765.51	1781.98	7,800	1,002.94	1,782.03		
	Middle	CP-01	4/17/2013	1,705.75	1795.19	740	997.64	1,794.98	+12.95	+0.217
	Deep	DMC-MW-27R	4/17/2013	1580.71	1819.19	810	997.69	1,818.64	+36.02/+23.07	+0.195/+0.184
4	Shallow	MC-09R	4/17/2013	1,684.57	1686.75	15,000	1,008.33	1,686.77		
	Middle	MC-MW-29	4/17/2013	1,646.84	1686.76	10,000	1,004.58	1,686.94	+0.17	+0.005
	Deep	TR-11	4/17/2013	1,497.12	1717.12	770	997.66	1,716.60	+29.84/+29.66	+0.159/+0.198
5	Shallow	AA-BW-09A	4/16/2013	1,718.59	1715.79	61,000[c]	1,043.18	1,715.67		
	Middle	MCF-BW-09B[d]		1,693.63				--	--	--
	Deep	DMC-MW-28	4/17/2013	1,488.03	1765.34	680	997.59	1,764.67	+49.00	+0.213

Note: All groundwater elevations are in units of feet above mean sea level
TDS =total dissolved solids
mg/l =milligrams per liter
kg/m^3 =kilograms per cubic meter
ft/ft: =feet per foot
\+ =indicates upward gradient
\- =indicates downward gradient

a 2013 analytical results unless otherwise specified
b Calculated based on estimated groundwater temperature of 25 degrees celsius based on Sitewide groundwater monitoring round field notes
c Not sampled in 2013 for TDS, estimated based on 2011 results
d Monitor well destroyed

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			AA-BW-03A	AA-MW-05	AA-MW-13R	AA-MW-14	AA-MW-14	AA-MW-20	AA-MW-24	AA-MW-24	AA-MW-25	B-01
	Detections **BOLDED**	Date			5/2/2013	4/25/2013	5/6/2013	5/9/2013	5/9/2013	5/8/2013	4/26/2013	4/26/2013	5/7/2013	5/6/2013
		Sample Purpose			REG	REG	REG	FD	REG	REG	FD	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
PESTICIDES	2,4'-DDD	ug/L			<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095UJ	<0.095UJ	<0.096	<0.099
	2,4'-DDE	ug/L			<0.095	<0.096	<0.20	**0.61J+**	**0.63**	<0.095	<0.095	<0.095	<0.096	<0.099
	2,4'-DDT	ug/L			<0.095	<0.096	<0.20	**0.22J+**	**0.23**	<0.095	<0.095	<0.095	<0.096	<0.099
	4,4'-DDD	ug/L		0.280	<0.095	<0.096	<0.20	**0.066J+**	**0.079**	<0.095	<0.095	<0.095	<0.096	<0.099
	4,4'-DDE	ug/L		0.198	<0.095	<0.096	<0.20	**2.2**	**1.3**	<0.095	<0.095UJ	<0.095UJ	<0.096	<0.099
	4,4'-DDT	ug/L		0.198	<0.095	<0.096	<0.20	**0.92**	**0.78**	<0.095	<0.095	<0.095	<0.096	<0.099
	ALDRIN	ug/L		0.00395	<0.0048	<0.0048	<0.010	<0.0097	<0.0099	<0.0047	<0.0048	<0.0048	<0.0048	<0.0049
	ALPHA-BHC	ug/L		10.95	**0.30**	<0.0048	<0.010	**0.20J+**	**0.2**	**0.089**	**0.013**	**0.011**	**1.9**	**55**
	BETA-BHC	ug/L		2.19	<0.0095	<0.0096	**0.12**	**0.14J+**	**0.16**	**0.022**	<0.0095	**0.0047**	**0.15**	**7.5**
	CHLORDANE	ug/L	2	2	<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	DELTA-BHC	ug/L		11	**0.019J**	<0.19	<0.40	**0.41J+**	**0.40**	<0.19	**0.0097**	**0.0083**	**0.34**	**5.3**
	DIELDRIN	ug/L		0.00420	<0.0048	<0.0048	<0.010	<0.0097	<0.0099	<0.0047	<0.0048	<0.0048	<0.0048	<0.0049
	ENDOSULFAN I	ug/L		219	<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	ENDOSULFAN II	ug/L		219	<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	ENDOSULFAN SULFATE	ug/L			<0.19	<0.19	<0.40	<0.39	<0.39	<0.19	<0.19	<0.19	<0.19	<0.20
	ENDRIN	ug/L	2	2	<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	ENDRIN ALDEHYDE	ug/L			<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	ENDRIN KETONE	ug/L			<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	**0.035**	<0.096	<0.20	<0.19	<0.20	**0.0092**	<0.095	<0.095	**1.0**	**23**
	HEPTACHLOR	ug/L	0.4	0.4	<0.0095	<0.0096	<0.020	<0.019	<0.020	<0.0095	<0.0095	<0.0095	<0.0096	<0.0099
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0048	<0.0048	<0.010	**0.037J+**	**0.032**	<0.0047	<0.0048	<0.0048	<0.0048	<0.0049
	METHOXYCHLOR	ug/L	40	40	<0.095	<0.096	<0.20	<0.19	<0.20	<0.095	<0.095	<0.095	<0.096	<0.099
	TOXAPHENE	ug/L	3	3	<4.8	<4.8	<10	<9.7	<9.9	<4.7	<4.8	<4.8	<4.8	<4.9
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,1-DICHLOROETHANE	ug/L		2.42	**5.6**	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,1-DICHLOROETHENE	ug/L	7	7	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	1,1-DICHLOROPROPENE	ug/L			<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<10	<2000UJ	<10000	<2000	<400	<10	<10	<2000	<2000
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	<5.0	**180J-**	<5000UJ	**190J**	<200	<5.0	<5.0	<1000	**100**
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,2-DICHLOROBENZENE	ug/L	600	600	**3.9**	<2.0	**2000J-**	**24000**	**28000**	**700**	<2.0UJ	**0.32J**	**2900**	**8200**
	1,2-DICHLOROETHANE	ug/L	5	5	**3.8**	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	<2.0	**71J-**	**1000**	**1400**	**43**	<2.0	<2.0	**120**	**400**
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	1,4-DICHLOROBENZENE	ug/L	75	75	**4.8**	<2.0	**3100J-**	**28000**	**31000**	**720**	<2.0	<2.0	**4200**	**12000**
	2,2-DICHLOROPROPANE	ug/L			<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	4-CHLOROTOLUENE	ug/L			<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			AA-BW-03A	AA-MW-05	AA-MW-13R	AA-MW-14	AA-MW-14	AA-MW-20	AA-MW-24	AA-MW-24	AA-MW-25	B-01
	Detections **BOLDED**	Date			5/2/2013	4/25/2013	5/6/2013	5/9/2013	5/9/2013	5/8/2013	4/26/2013	4/26/2013	5/7/2013	5/6/2013
		Sample Purpose			REG	REG	REG	FD	REG	REG	FD	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**0.72**	<2.0	**81000J-**	**2000**	**2300**	**20000**	**0.38**	**0.44**	**42000**	**16000**
	BROMOBENZENE	ug/L		87.6	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	BROMOCHLOROMETHANE	ug/L			<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	BROMOFORM	ug/L	80	8.51	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	BROMOMETHANE	ug/L		8.66	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	CARBON TETRACHLORIDE	ug/L	5	5	<1.0	<1.0	<200UJ	**300**	**310**	<40	**1.5**	**1.0**	<200	<200
	CHLOROBENZENE	ug/L	100	100	**410**	<2.0	**26000J-**	**150000**	**170000**	**17000**	<2.0	<2.0	**63000**	**88000**
	CHLOROETHANE	ug/L		23.2	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	CHLOROFORM	ug/L	80	0.193	**1.2J**	<2.0	<400UJ	<2000UJ	**110J**	**7300**	**140J**	**64J**	**29000**	**14000**
	CHLOROMETHANE	ug/L		2.70	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	DIBROMOMETHANE	ug/L		8.16	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<5.0	<1000UJ	<5000	<1000	<200UJ	<5.0	<5.0	<1000	<1000
	DIMETHYL DISULFIDE	ug/L			<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0UJ	<2.0UJ	<400	<400
	ETHYLBENZENE	ug/L	700	700	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0UJ	<5.0	<1000UJ	<5000UJ	<1000	<200UJ	<5.0UJ	<5.0UJ	<1000UJ	<1000UJ
	ISOPROPYLBENZENE	ug/L		679	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	M,P-XYLENES	ug/L	10000	1220	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	METHYLENE CHLORIDE	ug/L	5	5	<2.0	<2.0	<400UJ	<2000	<400	**53**	<2.0	<2.0	**730**	<400
	NAPHTHALENE	ug/L		0.143	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	N-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	N-PROPYLBENZENE	ug/L		254	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	O-XYLENE	ug/L	10000	1217	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	STYRENE	ug/L	100	100	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	TETRACHLOROETHENE	ug/L	5	5	**0.69**	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TOLUENE	ug/L	1000	1000	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TRICHLOROETHENE	ug/L	5	5	**0.26**	<2.0	<400UJ	<2000	<400	<80	<2.0	<2.0	<400	<400
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
	VINYL CHLORIDE	ug/L	2	2	<5.0	<5.0	<1000UJ	<5000	<1000	<200	<5.0	<5.0	<1000	<1000
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			B-16	EC-03	EC-04	EC-07	EC-10	H-11	H-49A	H-55	M-007B	M-057A
		Date			4/23/2013	5/7/2013	4/26/2013	5/13/2013	5/1/2013	4/25/2013	5/2/2013	4/26/2013	5/1/2013	4/25/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES	2,4'-DDD	ug/L			<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096UJ	<0.095	<0.097
	2,4'-DDE	ug/L			<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	2,4'-DDT	ug/L			<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	4,4'-DDD	ug/L		0.280	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	4,4'-DDE	ug/L		0.198	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096UJ	<0.095	<0.097
	4,4'-DDT	ug/L		0.198	<0.11	<0.098	<0.098	**1.3**	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	ALDRIN	ug/L		0.00395	<0.0055	<0.0049	<0.0049	<0.025	<0.0048	<0.048UJ	<0.0047	<0.0048	<0.0047	<0.0048
	ALPHA-BHC	ug/L		10.95	<0.0055	**370**	<0.0049	**12**	**0.034**	<0.048UJ	**3.7**	**0.051**	**0.012**	<0.0048
	BETA-BHC	ug/L		2.19	<0.011	**70**	<0.0098	**7.1**	**0.17**	<0.096UJ	**5.0**	**0.27**	<0.0095	<0.0097
	CHLORDANE	ug/L	2	2	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	DELTA-BHC	ug/L		11	<0.22	**27**	<0.20	**10**	**0.0034**	<1.9UJ	**2.4**	**0.44**	**0.044**	<0.19
	DIELDRIN	ug/L		0.00420	<0.0055	<0.0049	<0.0049	<0.025	<0.0048	<0.048UJ	<0.0047	<0.0048	<0.0047	<0.0048
	ENDOSULFAN I	ug/L		219	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	ENDOSULFAN II	ug/L		219	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	ENDOSULFAN SULFATE	ug/L			<0.22	<0.20	<0.20	<0.99	<0.19	<1.9UJ	<0.19	<0.19	<0.19	<0.19
	ENDRIN	ug/L	2	2	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	ENDRIN ALDEHYDE	ug/L			<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	ENDRIN KETONE	ug/L			<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.11	**150**	<0.098	**0.96**	**0.0066**	<0.96UJ	**0.093**	<0.096	**0.12**	<0.097
	HEPTACHLOR	ug/L	0.4	0.4	<0.011	<0.0098	<0.0098	<0.050	<0.0096	<0.096UJ	<0.0094	<0.0096	<0.0095	<0.0097
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0055	<0.0049	<0.0049	<0.025	<0.0048	<0.048UJ	<0.0047	<0.0048	<0.0047	<0.0048
	METHOXYCHLOR	ug/L	40	40	<0.11	<0.098	<0.098	<0.50	<0.096	<0.96UJ	<0.094	<0.096	<0.095	<0.097
	TOXAPHENE	ug/L	3	3	<5.5	<4.9	<4.9	<25	<4.8	<48UJ	<4.7	<4.8	<4.7	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,1-DICHLOROETHANE	ug/L		2.42	<4.0	<1000	<2.0	<800	<2.0	<2.0	**4.6**	<2.0	**1.6**	<4.0
	1,1-DICHLOROETHENE	ug/L	7	7	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	1,1-DICHLOROPROPENE	ug/L			<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,2,3-TRICHLOROBENZENE	ug/L			<10	<2500	<5.0	<2000	**2.4**	<5.0	**4.8**	<5.0	<5.0	<10
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<20	<5000	<10	<4000	<10	<10	<10	<10	<10	<20
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<10	<2500	<5.0	<2000	**13**	<5.0	**20**	<5.0	<5.0	<10
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<4.0	<1000	<2.0UJ	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	1,2-DIBROMOETHANE	ug/L		0.05	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,2-DICHLOROBENZENE	ug/L	600	600	**100**	<1000	<2.0	<800	<2.0	<2.0	**24**	<2.0	<2.0	<4.0
	1,2-DICHLOROETHANE	ug/L	5	5	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	**1.1**	<4.0
	1,2-DICHLOROPROPANE	ug/L	5	5	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,3-DICHLOROBENZENE	ug/L		86.7	**4.4**	<1000	<2.0	<800	<2.0	<2.0	**1.5**	<2.0	<2.0	<4.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	1,4-DICHLOROBENZENE	ug/L	75	75	**110**	<1000	<2.0	<800	<2.0	<2.0	**36**	<2.0	<2.0	<4.0
	2,2-DICHLOROPROPANE	ug/L			<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	2-CHLOROTOLUENE	ug/L		91.3	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	4-CHLOROTOLUENE	ug/L			<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			B-16	EC-03	EC-04	EC-07	EC-10	H-11	H-49A	H-55	M-007B	M-057A
	Detections **BOLDED**	Date			4/23/2013	5/7/2013	4/26/2013	5/13/2013	5/1/2013	4/25/2013	5/2/2013	4/26/2013	5/1/2013	4/25/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**1.2**	**380000**	<2.0	**390000**	<2.0	**0.60**	**2.4**	<2.0	<2.0	<4.0
	BROMOBENZENE	ug/L		87.6	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	BROMOCHLOROMETHANE	ug/L			<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	BROMODICHLOROMETHANE	ug/L	80	0.117	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	BROMOFORM	ug/L	80	8.51	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	BROMOMETHANE	ug/L		8.66	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	CARBON TETRACHLORIDE	ug/L	5	5	<2.0	**150J+**	<1.0	<400	<1.0	<1.0	<1.0	<1.0	<1.0	**4.1J+**
	CHLOROBENZENE	ug/L	100	100	**780**	**13000**	<2.0	**51000**	<2.0	**2.1**	**280**	<2.0	<2.0	<4.0
	CHLOROETHANE	ug/L		23.2	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	CHLOROFORM	ug/L	80	0.193	<4.0	**5200**	**25**	**1700**	<2.0	<2.0	**0.56J**	<2.0	**2.1**	**510**
	CHLOROMETHANE	ug/L		2.70	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	DIBROMOMETHANE	ug/L		8.16	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	DIMETHYL DISULFIDE	ug/L			<4.0	<1000	<2.0UJ	<800	<2.0	<2.0	<2.0	<2.0UJ	<2.0	<4.0
	ETHYLBENZENE	ug/L	700	700	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	HEXACHLOROBUTADIENE	ug/L		0.862	<10	<2500UJ	<5.0UJ	<2000	<5.0UJ	<5.0	<5.0UJ	<5.0	<5.0	<10
	ISOPROPYLBENZENE	ug/L		679	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	M,P-XYLENES	ug/L	10000	1220	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	METHYLENE CHLORIDE	ug/L	5	5	<4.0	<1000	<2.0	**390**	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	NAPHTHALENE	ug/L		0.143	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	N-BUTYLBENZENE	ug/L		254	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	N-PROPYLBENZENE	ug/L		254	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	O-XYLENE	ug/L	10000	1217	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	P-ISOPROPYL TOLUENE	ug/L		834	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	SEC-BUTYLBENZENE	ug/L		254	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	STYRENE	ug/L	100	100	<4.0	<1000	<2.0UJ	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	TERT- BUTYLBENZENE	ug/L		254	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	TETRACHLOROETHENE	ug/L	5	5	<4.0	**220**	<2.0	<800	<2.0	<2.0	**0.62**	<2.0	<2.0	<4.0
	TOLUENE	ug/L	1000	1000	<4.0	<1000	<2.0	**320**	<2.0	**0.51**	<2.0	<2.0	<2.0	<4.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<4.0	<1000	<2.0	<800	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
	TRICHLOROETHENE	ug/L	5	5	<4.0	<1000	<2.0	<800	<2.0	<2.0	**2.9**	<2.0	<2.0	**1.0**
	TRICHLOROFLUOROMETHANE	ug/L		1288	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
	VINYL CHLORIDE	ug/L	2	2	<10	<2500	<5.0	<2000	<5.0	<5.0	<5.0	<5.0	<5.0	<10
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	**34000**	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	**19000**	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	**26000**	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	**6300**	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	**16000**	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			M-092	M-125	M-142	MC-09R	MC-111	MC-113	MC-114	MC-47	MC-48	MC-49
	Detections **BOLDED**	Date			5/1/2013	4/24/2013	4/24/2013	4/30/2013	5/1/2013	4/18/2013	4/18/2013	4/16/2013	4/16/2013	4/16/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
PESTICIDES	2,4'-DDD	ug/L			<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	2,4'-DDE	ug/L			<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	2,4'-DDT	ug/L			<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	4,4'-DDD	ug/L		0.280	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	4,4'-DDE	ug/L		0.198	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	4,4'-DDT	ug/L		0.198	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	ALDRIN	ug/L		0.00395	<0.0049	<0.0052	<0.0048	<0.0095	<0.0048	<0.0047	<0.0094	<0.0047	<0.024	<0.023
	ALPHA-BHC	ug/L		10.95	<0.0049	**0.089**	<0.0048	**0.20**	**0.0037**	**1.6**	**0.69**	**0.18**	**0.85**	**3.3**
	BETA-BHC	ug/L		2.19	<0.0098	<0.010	<0.0096	**5.9**	<0.0096	**7.3**	**3.8**	**1.4**	**3.2**	**4.7**
	CHLORDANE	ug/L	2	2	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	DELTA-BHC	ug/L		11	<0.20	**0.047**	<0.19	**1.1**	**0.054**	**0.28**	**1.3**	**0.73**	**0.29**	**0.77**
	DIELDRIN	ug/L		0.00420	<0.0049	<0.0052	<0.0048	<0.0095	<0.0048	<0.0047	<0.0094	<0.0047	<0.024	<0.023
	ENDOSULFAN I	ug/L		219	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	ENDOSULFAN II	ug/L		219	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	ENDOSULFAN SULFATE	ug/L			<0.20	<0.21	<0.19	<0.38	<0.19	<0.19	<0.19	<0.19	<0.94	<0.94
	ENDRIN	ug/L	2	2	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	ENDRIN ALDEHYDE	ug/L			<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	ENDRIN KETONE	ug/L			<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.098	**0.049**	<0.096	**0.015**	**0.021**	**0.025**	**0.023**	**0.0075**	<0.094	**0.0033**
	HEPTACHLOR	ug/L	0.4	0.4	<0.0098	<0.010	<0.0096	<0.019	<0.0096	<0.0095	<0.019	<0.0095	<0.047	<0.047
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0049	<0.0052	<0.0048	<0.0095	<0.0048	<0.0047	<0.0094	<0.0047	<0.024	<0.023
	METHOXYCHLOR	ug/L	40	40	<0.098	<0.10	<0.096	<0.19	<0.096	<0.095	<0.19	<0.095	<0.47	<0.47
	TOXAPHENE	ug/L	3	3	<4.9	<5.2	<4.8	<9.5	<4.8	<4.7	<9.4	<4.7	<24	<23
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,1-DICHLOROETHANE	ug/L		2.42	<2.0	<80	<2.0	<2.0	**0.96**	<2	**1.5**	<2	<2	**2.8**
	1,1-DICHLOROETHENE	ug/L	7	7	**7**	<200	**0.97**	<5.0	<5.0	<5	<5	<5	<5	<5
	1,1-DICHLOROPROPENE	ug/L			<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	<200	<5.0	**0.55**	<5.0	**2.2**	**0.99**	<5	<5	**2.0**
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<400	<10	<10	<10	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	<200	<5.0	<5.0	<5.0	**5.6**	**1.2**	<5	<5	**8.9**
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,2-DICHLOROBENZENE	ug/L	600	600	<2.0	<80	<2.0	<2.0	<2.0	**3**	**0.74**	<2	<2	**23**
	1,2-DICHLOROETHANE	ug/L	5	5	<2.0	<80	<2.0	<2.0	<2.0	<2	**0.33**	<2	<2	**0.66**
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	**1.0**
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	1,4-DICHLOROBENZENE	ug/L	75	75	<2.0	**18**	<2.0	<2.0	<2.0	**4.6**	**0.88**	<2	**0.54**	**35**
	2,2-DICHLOROPROPANE	ug/L			<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	4-CHLOROTOLUENE	ug/L			<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5

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SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			M-092	M-125	M-142	MC-09R	MC-111	MC-113	MC-114	MC-47	MC-48	MC-49
	Detections **BOLDED**	Date			5/1/2013	4/24/2013	4/24/2013	4/30/2013	5/1/2013	4/18/2013	4/18/2013	4/16/2013	4/16/2013	4/16/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	TRANSECT	TRANSECT	TRANSECT	TRANSECT	TRANSECT
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	<2.0	**4000**	<2.0	<2.0	<2.0	**1.4**	<2	<2	<2	**0.87**
	BROMOBENZENE	ug/L		87.6	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	BROMOCHLOROMETHANE	ug/L			<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	BROMOFORM	ug/L	80	8.51	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	BROMOMETHANE	ug/L		8.66	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	CARBON TETRACHLORIDE	ug/L	5	5	**0.54**	**39**	**0.74**	<1.0	<1.0	<1	<1	<1	<1	<1
	CHLOROBENZENE	ug/L	100	100	**0.71**	**13000**	<2.0	<2.0	<2.0	**12**	<2	<2	**3.8**	**270**
	CHLOROETHANE	ug/L		23.2	<5.0	<200	<5.0	<5.0	<5.0	<5	**0.75**	<5	<5	<5
	CHLOROFORM	ug/L	80	0.193	**27**	**16000**	**53**	**0.82**	**0.82**	**0.39**	**1.5**	**9.1**	<2	<2
	CHLOROMETHANE	ug/L		2.70	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	DIBROMOMETHANE	ug/L		8.16	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	DIMETHYL DISULFIDE	ug/L			<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	ETHYLBENZENE	ug/L	700	700	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0	<200UJ	<5.0UJ	<5.0UJ	<5.0	<5	<5	<5	<5	<5
	ISOPROPYLBENZENE	ug/L		679	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	M,P-XYLENES	ug/L	10000	1220	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	METHYLENE CHLORIDE	ug/L	5	5	<2.0	<80	**1.5J**	<2.0	<2.0	<2	<2	<2	<2	<2
	NAPHTHALENE	ug/L		0.143	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	**0.61**
	N-BUTYLBENZENE	ug/L		254	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	N-PROPYLBENZENE	ug/L		254	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	O-XYLENE	ug/L	10000	1217	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	STYRENE	ug/L	100	100	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	**0.42**
	TETRACHLOROETHENE	ug/L	5	5	<2.0	<80	<2.0	<2.0	<2.0	<2	**1.2**	<2	<2	<2
	TOLUENE	ug/L	1000	1000	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<80	<2.0	<2.0	<2.0	<2	<2	<2	<2	<2
	TRICHLOROETHENE	ug/L	5	5	**3.6**	<80	**2.1**	<2.0	<2.0	<2	**0.59**	<2	<2	**0.86**
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	**59**	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
	VINYL CHLORIDE	ug/L	2	2	<5.0	<200	<5.0	<5.0	<5.0	<5	<5	<5	<5	<5
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			MC-50	MC-53	MW-01	MW-02	MW-03	MW-04	MW-AHX	MW-A-J	MW-A-J	MW-R
		Date			4/16/2013	4/18/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/25/2013	5/3/2013	5/3/2013	4/23/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	FD	REG	REG
		Sampling Event			TRANSECT	TRANSECT	CP	CP	CP	CP	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES	2,4'-DDD	ug/L			<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	2,4'-DDE	ug/L			<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	2,4'-DDT	ug/L			<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	4,4'-DDD	ug/L		0.280	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	4,4'-DDE	ug/L		0.198	<0.47	<0.095	<0.096	**0.0039**	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	4,4'-DDT	ug/L		0.198	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	ALDRIN	ug/L		0.00395	<0.023	<0.0047	<0.0048	<0.0048	<0.0048	<0.0048	<0.0047	<0.0048	<0.0048	<0.0051
	ALPHA-BHC	ug/L		10.95	**1.4**	**0.49**	<0.0048	**0.091**	**0.56**	**0.0032**	**0.0069**	**0.48**	**0.44**	**0.26**
	BETA-BHC	ug/L		2.19	**11**	**1.2**	<0.0096	<0.0097	**0.46**	<0.0096	**0.48**	**1.4**	**1.3**	**0.92**
	CHLORDANE	ug/L	2	2	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	DELTA-BHC	ug/L		11	**0.45**	**0.30**	<0.19	<0.19	<0.19	<0.19	**0.013**	**2.6**	**2.5**	**1.1**
	DIELDRIN	ug/L		0.00420	**0.014**	<0.0047	<0.0048	<0.0048	<0.0048	<0.0048	<0.0047	<0.0048	<0.0048	<0.0051
	ENDOSULFAN I	ug/L		219	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	ENDOSULFAN II	ug/L		219	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	ENDOSULFAN SULFATE	ug/L			<0.94	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.20
	ENDRIN	ug/L	2	2	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	ENDRIN ALDEHYDE	ug/L			<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	**0.0048**	**0.0047**	**0.0087**
	ENDRIN KETONE	ug/L			<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	**0.14**	**0.012**	<0.096	**0.020**	**0.42**	<0.096	**0.0087**	<0.095	<0.095	**0.011**
	HEPTACHLOR	ug/L	0.4	0.4	<0.047	<0.0095	<0.0096	<0.0097	<0.0095	<0.0096	<0.0095	<0.0095	<0.0095	<0.010
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.023	<0.0047	<0.0048	<0.0048	<0.0048	<0.0048	<0.0047	<0.0048	<0.0048	<0.0051
	METHOXYCHLOR	ug/L	40	40	<0.47	<0.095	<0.096	<0.097	<0.095	<0.096	<0.095	<0.095	<0.095	<0.10
	TOXAPHENE	ug/L	3	3	<23	<4.7	<4.8	<4.8	<4.8	<4.8	<4.7	<4.8	<4.8	<5.1
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	ug/L		2.42	<8	<2	<2.0	<800	<200	<10	<2.0	**1.0**	**0.96**	<2.0
	1,1-DICHLOROETHENE	ug/L	7	7	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	ug/L			<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	ug/L			**1.3**	<5	<5.0	<2000	<500	<25	<5.0	**1.2**	**1.2**	**0.51**
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<40	<10	<10	<4000	<1000	<50	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	**5.6**	<5	<5.0	<2000	**81**	<25	<5.0	**5.0**	**4.9**	**1.3**
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	ug/L		0.05	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	ug/L	600	600	**1.7**	<2	<2.0	<800	**25000**	**80**	<2.0	**4.6**	**4.5**	<2.0
	1,2-DICHLOROETHANE	ug/L	5	5	<8	<2	<2.0	<800	<200	<10	<2.0	**0.37**	**0.32**	<2.0
	1,2-DICHLOROPROPANE	ug/L	5	5	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	ug/L		86.7	<8	<2	<2.0	<800	**1400**	**3.2**	<2.0	**0.38J**	<2.0UJ	<2.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	ug/L	75	75	**2.9**	<2	<2.0	<800	**26000**	**73**	<2.0	**6.5**	**6.1**	<2.0
	2,2-DICHLOROPROPANE	ug/L			<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	ug/L		91.3	<20	<5	<5.0	<2000	**31**	<25	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	ug/L			<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			MC-50	MC-53	MW-01	MW-02	MW-03	MW-04	MW-AHX	MW-A-J	MW-A-J	MW-R
	Detections **BOLDED**	Date			4/16/2013	4/18/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/25/2013	5/3/2013	5/3/2013	4/23/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	FD	REG	REG
		Sampling Event			TRANSECT	TRANSECT	CP	CP	CP	CP	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**520**	<2	<2.0	**2100**	**1100**	**9.2**	<2.0	<2.0	<2.0	<2.0
	BROMOBENZENE	ug/L		87.6	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	ug/L			<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	ug/L	80	0.117	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	BROMOFORM	ug/L	80	8.51	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	ug/L		8.66	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	ug/L	5	5	<4	<1	<1.0	**300**	<100	**5.8**	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	ug/L	100	100	**140**	<2	<2.0	**3100**	**21000**	**78**	<2.0	<2.0	<2.0	<2.0
	CHLOROETHANE	ug/L		23.2	<20	**0.82**	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	CHLOROFORM	ug/L	80	0.193	**1.8**	**1.8**	**3.2**	**120000**	**38000**	**2800**	**130**	**1.1J**	**1.1J**	**0.98**
	CHLOROMETHANE	ug/L		2.70	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	ug/L		8.16	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	DIMETHYL DISULFIDE	ug/L			<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	ETHYLBENZENE	ug/L	700	700	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	ug/L		0.862	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0UJ	<5.0UJ	<5.0
	ISOPROPYLBENZENE	ug/L		679	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENES	ug/L	10000	1220	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	ug/L	5	5	<8	<2	**1.1**	**690**	<80	**8.2**	<2.0	<2.0	<2.0	<2.0
	NAPHTHALENE	ug/L		0.143	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	N-BUTYLBENZENE	ug/L		254	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	ug/L		254	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	ug/L	10000	1217	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	ug/L		834	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	ug/L		254	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	STYRENE	ug/L	100	100	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	ug/L		254	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	ug/L	5	5	<8	**0.64**	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TOLUENE	ug/L	1000	1000	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	ug/L	5	5	<8	<2	<2.0	<800	<200	<10	<2.0	<2.0	<2.0	<2.0
	TRICHLOROFLUOROMETHANE	ug/L		1288	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	ug/L	2	2	<20	<5	<5.0	<2000	<500	<25	<5.0	<5.0	<5.0	<5.0
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			PC-028	PC-031	PC-040	PC-064	PC-067	PC-132	PW-01	WELL-C	WELL-D2	WELL-E3
		Date			4/22/2013	4/22/2013	5/2/2013	4/23/2013	4/23/2013	5/2/2013	5/7/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	EW PERF	EW PERF	EW PERF
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES	2,4'-DDD	ug/L			<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	2,4'-DDE	ug/L			<0.10	<0.21	**0.096**	<0.10	<0.10	**0.17**	<0.095	<0.48	<0.48	<0.49
	2,4'-DDT	ug/L			<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	4,4'-DDD	ug/L		0.280	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	4,4'-DDE	ug/L		0.198	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	4,4'-DDT	ug/L		0.198	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	ALDRIN	ug/L		0.00395	<0.0052	<0.010	<0.0047	<0.0051	<0.0051	<0.0048	<0.0047	<0.024	<0.024	<0.024
	ALPHA-BHC	ug/L		10.95	**0.0055J**	**0.37J+**	**2.6**	**0.014**	**0.088**	**0.43**	**3.5**	**0.18**	**4.3**	**4.5**
	BETA-BHC	ug/L		2.19	<0.010	**6.3**	**0.43**	<0.010	<0.010	**3.2**	**0.55**	**3.9**	**17**	**17**
	CHLORDANE	ug/L	2	2	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	DELTA-BHC	ug/L		11	<0.21	**1.0**	**1.7**	<0.20	<0.20	**1.4**	**0.34**	**2.1**	**3.3**	**2.4**
	DIELDRIN	ug/L		0.00420	<0.0052	<0.010	<0.0047	<0.0051	<0.0051	<0.0048	<0.0047	<0.024	<0.024	<0.024
	ENDOSULFAN I	ug/L		219	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	ENDOSULFAN II	ug/L		219	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	ENDOSULFAN SULFATE	ug/L			<0.21	<0.42	<0.19	<0.20	<0.20	<0.19	<0.19	<0.96	<0.95	<0.97
	ENDRIN	ug/L	2	2	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	ENDRIN ALDEHYDE	ug/L			<0.10	<0.21	<0.094	<0.10	<0.10	**0.0037**	<0.095	<0.48	<0.48	<0.49
	ENDRIN KETONE	ug/L			<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	<0.48	<0.49
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.10	**0.0088J**	**0.13**	**0.0048**	**0.025**	**0.010J**	**2.1**	<0.48	<0.48	<0.49
	HEPTACHLOR	ug/L	0.4	0.4	<0.010	<0.021	<0.0094	<0.010	<0.010	<0.0095	<0.0095	<0.048	<0.048	<0.049
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0052	<0.010	<0.0047	<0.0051	<0.0051	<0.0048	<0.0047	<0.024	<0.024	<0.024
	METHOXYCHLOR	ug/L	40	40	<0.10	<0.21	<0.094	<0.10	<0.10	<0.095	<0.095	<0.48	**0.02**	<0.49
	TOXAPHENE	ug/L	3	3	<5.2	<10	<4.7	<5.1	<5.1	<4.8	<4.7	<24	<24	<24
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,1-DICHLOROETHANE	ug/L		2.42	<2.0	**1.7**	**3.3**	<2.0	<8.0	**1.8**	<200	**0.98**	**16**	**7.6**
	1,1-DICHLOROETHENE	ug/L	7	7	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	**1.8**	**0.81**
	1,1-DICHLOROPROPENE	ug/L			<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	**1.5**	**3.4**	<5.0	<20	**1.2**	**34**	**1.0**	**22**	**18**
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<10	<10	<10	<40	<10	<1000	<10	<20	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	**16**	**14**	<5.0	<20	**4.9**	**120**	**3.1**	**79**	**79**
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,2-DICHLOROBENZENE	ug/L	600	600	<2.0	**10**	**16**	**1.4**	<8.0	**2.9**	**13000**	**1.2**	**400**	**100**
	1,2-DICHLOROETHANE	ug/L	5	5	<2.0	**0.45**	<2.0	<2.0	<8.0	<2.0	<200	<2	**3.9**	**3.5**
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	**1.1**	**1.2**	**2.1**	<8.0	**1.8**	**660**	<2	**18**	**7.0**
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	1,4-DICHLOROBENZENE	ug/L	75	75	<2.0	**16**	**23**	**1.1**	<8.0	**3.0**	**12000**	**1.9**	**590**	**160**
	2,2-DICHLOROPROPANE	ug/L			<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	4-CHLOROTOLUENE	ug/L			<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			PC-028	PC-031	PC-040	PC-064	PC-067	PC-132	PW-01	WELL-C	WELL-D2	WELL-E3
	Detections **BOLDED**	Date			4/22/2013	4/22/2013	5/2/2013	4/23/2013	4/23/2013	5/2/2013	5/7/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	EW PERF	EW PERF	EW PERF
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	<2.0	<2.0	**1.2**	<2.0	<8.0	<2.0	**3100**	<2	**26**	**68**
	BROMOBENZENE	ug/L		87.6	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	BROMOCHLOROMETHANE	ug/L			<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	BROMOFORM	ug/L	80	8.51	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	BROMOMETHANE	ug/L		8.66	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	CARBON TETRACHLORIDE	ug/L	5	5	**2.8**	<1.0	<1.0	<1.0	**6.9**	<1.0	**940J+**	<1	<2	<1
	CHLOROBENZENE	ug/L	100	100	<2.0	**0.50**	**94**	<2.0	<8.0	<2.0	**13000J-**	<2	**610**	**2300**
	CHLOROETHANE	ug/L		23.2	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	CHLOROFORM	ug/L	80	0.193	**73**	**0.96**	**0.98J**	**3.1**	**810**	**0.44J**	**40000J+**	**1.3**	**2.5**	**2.2**
	CHLOROMETHANE	ug/L		2.70	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	**1.4**	**0.54**
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	DIBROMOMETHANE	ug/L		8.16	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	DIMETHYL DISULFIDE	ug/L			<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	**1.8**
	ETHYLBENZENE	ug/L	700	700	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500UJ	<5	<10	<5
	ISOPROPYLBENZENE	ug/L		679	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	M,P-XYLENES	ug/L	10000	1220	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	METHYLENE CHLORIDE	ug/L	5	5	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	**3.4**	**1.3**
	NAPHTHALENE	ug/L		0.143	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	N-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	N-PROPYLBENZENE	ug/L		254	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	O-XYLENE	ug/L	10000	1217	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	STYRENE	ug/L	100	100	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	**0.45**
	TETRACHLOROETHENE	ug/L	5	5	**0.91**	<2.0	**1.4**	**1.8**	**15**	<2.0	<200	<2	<4	<2
	TOLUENE	ug/L	1000	1000	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	**0.64**
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<2.0	<2.0	<8.0	<2.0	<200	<2	<4	<2
	TRICHLOROETHENE	ug/L	5	5	**0.61**	<2.0	**1.7**	**1.4**	<8.0	**1.2**	<200	<2	**120**	**50**
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
	VINYL CHLORIDE	ug/L	2	2	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<500	<5	<10	<5
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			WELL-F	WELL-G	WELL-H2	WELL-I	WELL-J	WELL-K2	WELL-L	WELL-M2	WELL-N	WELL-O
		Date			4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES	2,4'-DDD	ug/L			<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	2,4'-DDE	ug/L			<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	2,4'-DDT	ug/L			<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	4,4'-DDD	ug/L		0.280	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	4,4'-DDE	ug/L		0.198	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	4,4'-DDT	ug/L		0.198	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	ALDRIN	ug/L		0.00395	<0.024	<0.024	<0.023	<0.0047	<0.024	<0.0094	<0.024	<0.0094	<0.024	<0.024
	ALPHA-BHC	ug/L		10.95	**11**	**12**	**97**	**1.5**	**3.9**	**130**	**4.6**	**8.6**	**3.4**	**16**
	BETA-BHC	ug/L		2.19	**34**	**19**	**42**	**0.22**	**14**	**28**	**27**	**8.1**	**15**	**38**
	CHLORDANE	ug/L	2	2	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	**1.5**
	DELTA-BHC	ug/L		11	**2.2**	**2.7**	**3.6**	**1.4**	**2.2**	**5**	**1.7**	**4.9**	**2.1**	**2.1**
	DIELDRIN	ug/L		0.00420	<0.024	**0.066**	**0.27**	<0.0047	<0.024	<0.0094	<0.024	<0.0094	<0.024	<0.024
	ENDOSULFAN I	ug/L		219	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	ENDOSULFAN II	ug/L		219	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	ENDOSULFAN SULFATE	ug/L			<0.97	<0.94	<0.94	<0.19	<0.95	<0.38	<0.97	<0.19	<0.95	<0.96
	ENDRIN	ug/L	2	2	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	ENDRIN ALDEHYDE	ug/L			<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	ENDRIN KETONE	ug/L			<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	**0.063**	**0.38**	**1.4**	<0.095	<0.48	**2.6**	<0.49	<0.19	<0.48	**0.21**
	HEPTACHLOR	ug/L	0.4	0.4	<0.049	<0.047	<0.047	<0.0095	<0.048	<0.019	<0.049	<0.019	<0.048	<0.048
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.024	<0.024	<0.023	<0.0047	<0.024	<0.0094	<0.024	<0.0094	<0.024	<0.024
	METHOXYCHLOR	ug/L	40	40	<0.49	<0.47	<0.47	<0.095	<0.48	<0.19	<0.49	<0.19	<0.48	<0.48
	TOXAPHENE	ug/L	3	3	<24	<24	<23	<4.7	<24	<9.4	<24	<9.4	<24	**10**
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,1-DICHLOROETHANE	ug/L		2.42	<200	<100	<400	**35**	**9.5**	**140**	**8.3**	**130**	**8.3**	<80
	1,1-DICHLOROETHENE	ug/L	7	7	<500	<250	<1000	<25	**0.49**	<500	<100	<250	**0.78**	<200
	1,1-DICHLOROPROPENE	ug/L			<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,2,3-TRICHLOROBENZENE	ug/L			**33**	**39**	**79**	<25	**18**	<500	**23**	<250	**11**	**52**
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<1000	<500	<2000	<50	<10	<1000	<200	<500	<10	<400
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	**160**	**180**	**340**	**2.7**	**90**	**110**	**150**	**53**	**56**	**200**
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	1,2-DIBROMOETHANE	ug/L		0.05	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,2-DICHLOROBENZENE	ug/L	600	600	**200**	**1500**	**1200**	**31**	**110**	**480**	**90**	**320**	**230**	**870**
	1,2-DICHLOROETHANE	ug/L	5	5	<200	<100	<400	**16**	**3.8**	<200	**12**	<100	**2**	**14**
	1,2-DICHLOROPROPANE	ug/L	5	5	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,3-DICHLOROBENZENE	ug/L		86.7	<200	**90**	**77**	<10	**6.2**	<200	**13**	<100	**10**	**59**
	1,3-DICHLOROPROPANE	ug/L		8.25	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	1,4-DICHLOROBENZENE	ug/L	75	75	**310**	**2700**	**2100**	**38**	**160**	**820**	**160**	**510**	**300**	**1300**
	2,2-DICHLOROPROPANE	ug/L			<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	2-CHLOROTOLUENE	ug/L		91.3	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	4-CHLOROTOLUENE	ug/L			<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			WELL-F	WELL-G	WELL-H2	WELL-I	WELL-J	WELL-K2	WELL-L	WELL-M2	WELL-N	WELL-O
	Detections **BOLDED**	Date			4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**14000**	**25000**	**50000**	**27**	**5.9**	**14000**	**10000**	**5300**	**3.9**	**5700**
	BROMOBENZENE	ug/L		87.6	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	BROMOCHLOROMETHANE	ug/L			<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	BROMODICHLOROMETHANE	ug/L	80	0.117	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	BROMOFORM	ug/L	80	8.51	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	BROMOMETHANE	ug/L		8.66	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	CARBON TETRACHLORIDE	ug/L	5	5	<100	<50	<200	<5	<1	<100	<20	<50	<1	<40
	CHLOROBENZENE	ug/L	100	100	**8000**	**33000**	**51000**	**2300**	**410**	**17000**	**11000**	**11000**	**100**	**15000**
	CHLOROETHANE	ug/L		23.2	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	CHLOROFORM	ug/L	80	0.193	<200	**200**	**310**	**1.7**	**0.74**	**35**	<40	<100	**0.74**	**310**
	CHLOROMETHANE	ug/L		2.70	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<200	<100	<400	<10	<2	<200	<40	<100	**0.59**	<80
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	DIBROMOMETHANE	ug/L		8.16	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	DICHLORODIFLUOROMETHANE	ug/L		395	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	DIMETHYL DISULFIDE	ug/L			<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	ETHYLBENZENE	ug/L	700	700	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	HEXACHLOROBUTADIENE	ug/L		0.862	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	ISOPROPYLBENZENE	ug/L		679	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	M,P-XYLENES	ug/L	10000	1220	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	METHYLENE CHLORIDE	ug/L	5	5	<200	<100	<400	<10	<2	<200	**44**	<100	<2	<80
	NAPHTHALENE	ug/L		0.143	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	N-BUTYLBENZENE	ug/L		254	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	N-PROPYLBENZENE	ug/L		254	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	O-XYLENE	ug/L	10000	1217	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	P-ISOPROPYL TOLUENE	ug/L		834	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	SEC-BUTYLBENZENE	ug/L		254	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	STYRENE	ug/L	100	100	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	TERT- BUTYLBENZENE	ug/L		254	<500	<250	<1000	<25	**0.38**	<500	<100	<250	<5	<200
	TETRACHLOROETHENE	ug/L	5	5	<200	**22**	**130**	**1.7**	<2	<200	<40	<100	<2	<80
	TOLUENE	ug/L	1000	1000	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<200	<100	<400	<10	<2	<200	<40	<100	<2	<80
	TRICHLOROETHENE	ug/L	5	5	**32**	<100	**55**	**48**	**13**	**46**	**35**	**82**	**35**	**12**
	TRICHLOROFLUOROMETHANE	ug/L		1288	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
	VINYL CHLORIDE	ug/L	2	2	<500	<250	<1000	<25	<5	<500	<100	<250	<5	<200
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			WELL-P	WELL-Q	WELL-R	AGX-90	CP-01	DPT-01	EC-12	EC-13	EC-14	M-136
		Date			4/19/2013	4/19/2013	4/19/2013	5/8/2013	4/23/2013	5/6/2013	4/23/2013	5/8/2013	4/24/2013	4/25/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	EW PERF	EW PERF	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
PESTICIDES	2,4'-DDD	ug/L			<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	2,4'-DDE	ug/L			<0.48	<0.095	<0.48	<0.10	<0.098	**0.035**	<0.10	<0.095	<0.10	<0.097
	2,4'-DDT	ug/L			<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	4,4'-DDD	ug/L		0.280	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	**0.015**	<0.097
	4,4'-DDE	ug/L		0.198	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	4,4'-DDT	ug/L		0.198	<0.48	<0.095	<0.48	<0.10	<0.098	**0.033**	<0.10	<0.48	**0.022**	<0.097
	ALDRIN	ug/L		0.00395	<0.024	<0.0048	<0.024	<0.0050	<0.0049	<0.0048	<0.0052	<0.0048	<0.0052	<0.0048
	ALPHA-BHC	ug/L		10.95	**2.4**	**3.6**	**4.0**	**0.010**	**0.066**	**4.8**	**0.0058**	**5.3**	<0.0052	<0.0048
	BETA-BHC	ug/L		2.19	**7.8**	**9.5**	**11**	<0.010	**0.051**	**1.1**	**0.012**	**1.2**	**0.0051**	<0.0097
	CHLORDANE	ug/L	2	2	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	DELTA-BHC	ug/L		11	**3.5**	**3.3**	**2.7**	<0.20	**0.019**	<0.19	<0.21	**0.63**	<0.21	<0.19
	DIELDRIN	ug/L		0.00420	<0.024	<0.0048	<0.024	<0.0050	<0.0049	<0.0048	<0.0052	<0.0048	<0.0052	<0.0048
	ENDOSULFAN I	ug/L		219	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	ENDOSULFAN II	ug/L		219	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	ENDOSULFAN SULFATE	ug/L			<0.96	<0.19	<0.19	<0.20	<0.20	<0.19	<0.21	<0.19	<0.21	<0.19
	ENDRIN	ug/L	2	2	<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	ENDRIN ALDEHYDE	ug/L			<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	ENDRIN KETONE	ug/L			<0.48	<0.095	<0.48	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	**0.026**	**0.048**	<0.48	**0.0039**	**0.016**	**0.84**	**0.0037**	**0.95**	<0.10	<0.097
	HEPTACHLOR	ug/L	0.4	0.4	<0.048	<0.0095	<0.048	<0.010	<0.0098	<0.0096	<0.010	<0.0095	<0.010	<0.0097
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.024	<0.0048	<0.024	<0.0050	<0.0049	<0.0048	<0.0052	<0.0048	<0.0052	<0.0048
	METHOXYCHLOR	ug/L	40	40	<0.48	<0.095	**0.019**	<0.10	<0.098	<0.096	<0.10	<0.095	<0.10	<0.097
	TOXAPHENE	ug/L	3	3	<24	<4.8	<24	<5.0	<4.9	<4.8	<5.2	<4.8	<5.2	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	ug/L		2.42	**2.8**	**3.6**	**4.9**	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHENE	ug/L	7	7	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	ug/L			<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	ug/L			**3.3**	**11**	**15**	<5.0	<5.0	<1000	<5.0	**2.0**	<5.0	<5.0
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<10	<10	<10	<10	<2000	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	**21**	**41**	**73**	**<5.0**	**<5.0**	<1000	<5.0	**6.3**	<5.0	<5.0
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	ug/L		0.05	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	ug/L	600	600	**12**	**28**	**52**	<2.0	**6.2**	**6300**	<2.0	**1.7**	**0.41**	<2.0
	1,2-DICHLOROETHANE	ug/L	5	5	**0.85**	**1.1**	**1.8**	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROPROPANE	ug/L	5	5	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	ug/L		86.7	**4.3**	**5.9**	**5.0**	<2.0	**1.3**	**300**	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	ug/L	75	75	**17**	**42**	**72**	**0.41**	**7.8**	**12000**	<2.0	**5.9**	**0.59**	<2.0
	2,2-DICHLOROPROPANE	ug/L			<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	ug/L		91.3	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	ug/L			<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
	EXCEEDS BCL	Location			WELL-P	WELL-Q	WELL-R	AGX-90	CP-01	DPT-01	EC-12	EC-13	EC-14	M-136
	Detections **BOLDED**	Date			4/19/2013	4/19/2013	4/19/2013	5/8/2013	4/23/2013	5/6/2013	4/23/2013	5/8/2013	4/24/2013	4/25/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	EW PERF	EW PERF	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	<2	**3.2**	**3**	**2.1**	<2.0	**12000**	<2.0	**8.3**	<2.0	<2.0
	BROMOBENZENE	ug/L		87.6	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	ug/L			<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	BROMOFORM	ug/L	80	8.51	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	ug/L		8.66	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	ug/L	5	5	<1	<1	<1	<1.0	<1.0	**940**	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	ug/L	100	100	**22**	**180**	**230**	**4.8**	**21**	**99000**	<2.0	**99**	<2.0	**0.58**
	CHLOROETHANE	ug/L		23.2	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	CHLOROFORM	ug/L	80	0.193	<2	<2	**0.38**	<2.0	<2.0	**720**	<2.0	<2.0	<2.0	**13**
	CHLOROMETHANE	ug/L		2.70	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	ug/L		8.16	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<5	<5	<5	<5.0UJ	<5.0	<1000	<5.0	<5.0UJ	<5.0	<5.0
	DIMETHYL DISULFIDE	ug/L			<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	ETHYLBENZENE	ug/L	700	700	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	ug/L		0.862	<5	<5	<5	<5.0UJ	<5.0	<1000UJ	<5.0	<5.0UJ	<5.0UJ	<5.0
	ISOPROPYLBENZENE	ug/L		679	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENES	ug/L	10000	1220	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	ug/L	5	5	<2	<2	<2	<2.0	<2.0	<400	<2.0	**1.0J**	**1.3J**	<2.0
	NAPHTHALENE	ug/L		0.143	**0.72**	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	N-BUTYLBENZENE	ug/L		254	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	ug/L		254	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	ug/L	10000	1217	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	ug/L		834	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	ug/L		254	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	STYRENE	ug/L	100	100	<2	<2	<2	<2.0UJ	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	ug/L		254	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	ug/L	5	5	<2	<2	<2	<2.0	<2.0	<400	<2.0	**0.35**	<2.0	<2.0
	TOLUENE	ug/L	1000	1000	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2	<2	<2	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	ug/L	5	5	**0.65**	**1.6**	**2.4**	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<2.0
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	ug/L	2	2	<5	<5	<5	<5.0	<5.0	<1000	<5.0	<5.0	<5.0	<5.0
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
	EXCEEDS BCL	Location			M-149	M-150	MCF-BW-08	MCF-BW-10A	MC-MW-09	MC-MW-10	MC-MW-11	MC-MW-12	MC-MW-15	MC-MW-17
	Detections **BOLDED**	Date			4/24/2013	4/25/2013	5/13/2013	5/13/2013	5/9/2013	5/10/2013	5/7/2013	5/13/2013	5/10/2013	5/6/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
PESTICIDES	2,4'-DDD	ug/L			<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	2,4'-DDE	ug/L			<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	**3.4**	<0.094UJ	**0.036**
	2,4'-DDT	ug/L			<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	**2.6**	<0.094UJ	<0.093
	4,4'-DDD	ug/L		0.280	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	**0.24**	<0.094UJ	**0.01**
	4,4'-DDE	ug/L		0.198	<0.11	<0.10	<1.0	<0.098	**0.0048**	<0.094	<0.095	**9.5**	<0.094UJ	**0.10**
	4,4'-DDT	ug/L		0.198	<0.11	<0.10	<1.0	**0.012J**	**0.012**	<0.094	<0.095	**6.5**	<0.094UJ	<0.093
	ALDRIN	ug/L		0.00395	<0.0055	<0.0052	<0.050	<0.0049	<0.0048	<0.0047	<0.0048	<0.024	<0.0047UJ	<0.0047
	ALPHA-BHC	ug/L		10.95	**0.015**	<0.0052	**870**	**0.0037**	**0.095**	**0.77**	**19**	**1.1**	**1.4**	**0.30**
	BETA-BHC	ug/L		2.19	<0.011	<0.010	**160J-**	<0.0098	**0.086**	<0.0094	**8.0**	**0.56**	<0.0094UJ	<0.0093
	CHLORDANE	ug/L	2	2	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	DELTA-BHC	ug/L		11	**0.0083**	<0.21	**64**	<0.20	<0.19	**0.19**	**3.9**	<0.95	<0.19UJ	<0.19
	DIELDRIN	ug/L		0.00420	<0.0055	<0.0052	<0.050	<0.0049	<0.0048	<0.0047	<0.0048	<0.024	<0.0047UJ	<0.0047
	ENDOSULFAN I	ug/L		219	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	ENDOSULFAN II	ug/L		219	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	ENDOSULFAN SULFATE	ug/L			<0.22	<0.21	<2.0	<0.20	<0.19	<0.19	<0.19	<0.95	<0.19UJ	<0.19
	ENDRIN	ug/L	2	2	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	ENDRIN ALDEHYDE	ug/L			<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	ENDRIN KETONE	ug/L			<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.11	<0.10	**280J-**	<0.098	**0.024**	**0.33**	**8.8**	**0.26**	**0.45**	**0.032**
	HEPTACHLOR	ug/L	0.4	0.4	<0.011	<0.010	<0.10	<0.0098	<0.0095	<0.0094	<0.0095	<0.048	<0.0094UJ	<0.0093
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0055	<0.0052	<0.050	<0.0049	<0.0048	<0.0047	<0.0048	**0.20**	<0.0047UJ	<0.0047
	METHOXYCHLOR	ug/L	40	40	<0.11	<0.10	<1.0	<0.098	<0.095	<0.094	<0.095	<0.48	<0.094UJ	<0.093
	TOXAPHENE	ug/L	3	3	<5.5	<5.2	<50	<4.9	<4.8	<4.7	<4.8	<24	<4.7UJ	<4.7
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	**64**	<80
	1,1-DICHLOROETHANE	ug/L		2.42	<2.0	<2.0	<400	<2.0	<400	**130**	<400	<400	**610**	<80
	1,1-DICHLOROETHENE	ug/L	7	7	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	1,1-DICHLOROPROPENE	ug/L			<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	<5.0	**71**	<5.0	<1000	**130**	<1000	<1000	<500	<200
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<10	<2000	<10	<2000	<2000	<2000	<2000	<1000	<400
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	<5.0	**910**	<5.0	<1000	<1000	<1000	<1000	<500	<200
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,2-DICHLOROBENZENE	ug/L	600	600	<2.0	<2.0	**1100**	**1.1**	**1200**	**1100**	<400	**4000**	**310**	**520**
	1,2-DICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<400	<2.0	<400	**110**	<400	<400	**370**	<80
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	<2.0	**94**	<2.0	<400	<400	<400	**140**	<200	**28**
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	1,4-DICHLOROBENZENE	ug/L	75	75	<2.0	<2.0	**1500**	**2.0**	**1500**	**2000**	**130**	**7000**	**460**	**920**
	2,2-DICHLOROPROPANE	ug/L			<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	4-CHLOROTOLUENE	ug/L			<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200

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ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
	EXCEEDS BCL	Location			M-149	M-150	MCF-BW-08	MCF-BW-10A	MC-MW-09	MC-MW-10	MC-MW-11	MC-MW-12	MC-MW-15	MC-MW-17
	Detections **BOLDED**	Date			4/24/2013	4/25/2013	5/13/2013	5/13/2013	5/9/2013	5/10/2013	5/7/2013	5/13/2013	5/10/2013	5/6/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	<2.0	**0.76**	**5100**	**2.4**	**16000**	**86000**	**13000**	**48000**	**39000**	**1700**
	BROMOBENZENE	ug/L		87.6	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	BROMOCHLOROMETHANE	ug/L			<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	BROMOFORM	ug/L	80	8.51	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	BROMOMETHANE	ug/L		8.66	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	CARBON TETRACHLORIDE	ug/L	5	5	<1.0	<1.0	<200	<1.0	**1400J+**	<200	**150J+**	**1500**	<100	**21**
	CHLOROBENZENE	ug/L	100	100	<2.0	**3.8**	**130000**	**29**	**55000**	**88000**	**55000**	**160000**	**31000**	**12000**
	CHLOROETHANE	ug/L		23.2	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	CHLOROFORM	ug/L	80	0.193	**96**	<2.0	**120**	**3.0**	**2200**	**120000**	<400	**31000**	**57000**	**4000**
	CHLOROMETHANE	ug/L		2.70	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	DIBROMOMETHANE	ug/L		8.16	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<5.0	<1000	<5.0	<1000UJ	<1000	<1000	<1000	<500	<200
	DIMETHYL DISULFIDE	ug/L			<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	ETHYLBENZENE	ug/L	700	700	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0UJ	<5.0	<1000	<5.0	<1000	<1000	<1000UJ	<1000	<500	<200UJ
	ISOPROPYLBENZENE	ug/L		679	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	M,P-XYLENES	ug/L	10000	1220	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	METHYLENE CHLORIDE	ug/L	5	5	**1.2J**	<2.0	<400	<2.0	<400	**3700**	<400	**330**	**4600**	**45**
	NAPHTHALENE	ug/L		0.143	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	N-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	N-PROPYLBENZENE	ug/L		254	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	O-XYLENE	ug/L	10000	1217	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	STYRENE	ug/L	100	100	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	TETRACHLOROETHENE	ug/L	5	5	<2.0	<2.0	**80J+**	<2.0	<400	<400	<400	<400	<200	**23**
	TOLUENE	ug/L	1000	1000	<2.0	<2.0	**410**	<2.0	<400	<400	<400	<400	<200	<80
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	TRICHLOROETHENE	ug/L	5	5	<2.0	<2.0	<400	<2.0	<400	<400	<400	<400	<200	<80
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
	VINYL CHLORIDE	ug/L	2	2	<5.0	<5.0	<1000	<5.0	<1000	<1000	<1000	<1000	<500	<200
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Aquifer / Location / Date / Sample Purpose / Sampling Event / Samplers / Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			MC-MW-18	MC-MW-29	MC-MW-30	MC-MW-31	MC-MW-32	MC-MW-33	MC-MW-34	MC-MW-35	MC-MW-36
		Date			5/9/2013	5/6/2013	5/3/2013	5/9/2013	5/9/2013	5/8/2013	4/30/2013	4/30/2013	4/30/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
		Units											
PESTICIDES	2,4'-DDD	ug/L			<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	2,4'-DDE	ug/L			**0.041**	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095UJ
	2,4'-DDT	ug/L			<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	4,4'-DDD	ug/L		0.280	**0.045**	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	4,4'-DDE	ug/L		0.198	**0.20**	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	4,4'-DDT	ug/L		0.198	**0.035**	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	ALDRIN	ug/L		0.00395	<0.0048	<0.0047	<0.0048	<0.0047	<0.0048	<0.0048	<0.0049	<0.0050	<0.0048
	ALPHA-BHC	ug/L		10.95	**0.84**	**6.8J+**	**1.9**	**0.71J**	**0.020**	**0.018J**	**0.016**	<0.0050	<0.0048
	BETA-BHC	ug/L		2.19	**0.34**	<0.0095	**0.12**	<0.0095	<0.0097	<0.0095	<0.0098	<0.0099	<0.0095
	CHLORDANE	ug/L	2	2	<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	DELTA-BHC	ug/L		11	<0.19	**0.65J+**	**0.27**	**0.055J**	<0.19	<0.19	<0.20	<0.20	<0.19
	DIELDRIN	ug/L		0.00420	<0.0048	<0.0047	<0.0048	<0.0047	<0.0048	<0.0048	<0.0049	<0.0050	<0.0048
	ENDOSULFAN I	ug/L		219	<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	ENDOSULFAN II	ug/L		219	<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	ENDOSULFAN SULFATE	ug/L			<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.20	<0.20	<0.19
	ENDRIN	ug/L	2	2	<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	ENDRIN ALDEHYDE	ug/L			<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	ENDRIN KETONE	ug/L			<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	**0.17**	<0.095	**0.011**	<0.095	**0.027**	<0.095	**0.0033**	<0.099	<0.095
	HEPTACHLOR	ug/L	0.4	0.4	<0.0095	<0.0095	<0.0095	<0.0095	<0.0097	<0.0095	<0.0098	<0.0099	<0.0095
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	**0.0031J**	<0.0047	<0.0048	<0.0047	<0.0048	<0.0048	<0.0049	<0.0050	<0.0048
	METHOXYCHLOR	ug/L	40	40	<0.095	<0.095	<0.095	<0.095	<0.097	<0.095	<0.098	<0.099	<0.095
	TOXAPHENE	ug/L	3	3	<4.8	<4.7	<4.8	<4.7	<4.8	<4.8	<4.9	<5.0	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	ug/L		2.42	<200	**46**	**52**	**70**	**1.5**	<2.0	**3.2**	<2.0	**2.9**
	1,1-DICHLOROETHENE	ug/L	7	7	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	ug/L			<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	ug/L			**33**	<50	<50	**14**	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<1000	<100	<100	<200	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<500	<50	<50	**14**	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	ug/L		0.05	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	ug/L	600	600	**4600**	**220**	**81**	**120**	<2.0	**0.49**	**1.8**	<2.0	<2.0
	1,2-DICHLOROETHANE	ug/L	5	5	<200	**12**	**12**	**13**	**1.2**	<2.0	**2.1**	<2.0	**1.2**
	1,2-DICHLOROPROPANE	ug/L	5	5	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	ug/L		86.7	**220**	**11**	**4.2**	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	ug/L	75	75	**8700**	**340**	**110**	**160**	**0.48**	**0.79**	**2.2**	<2.0	<2.0
	2,2-DICHLOROPROPANE	ug/L			<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	ug/L		91.3	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	ug/L			<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			MC-MW-18	MC-MW-29	MC-MW-30	MC-MW-31	MC-MW-32	MC-MW-33	MC-MW-34	MC-MW-35	MC-MW-36
		Date			5/9/2013	5/6/2013	5/3/2013	5/9/2013	5/9/2013	5/8/2013	4/30/2013	4/30/2013	4/30/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**45000**	**46**	**56**	**71**	**2.0**	**2.6**	**96**	<2.0	**37**
	BROMOBENZENE	ug/L		87.6	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	ug/L			<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	ug/L	80	0.117	<200	<20	<20	<40	<2.0	<2.0	**0.36**	<2.0	<2.0
	BROMOFORM	ug/L	80	8.51	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	ug/L		8.66	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	ug/L	5	5	**510J+**	<10	<10	<20	<1.0	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	ug/L	100	100	**240000**	**3400**	**2600**	**5200**	**4.8**	**7.8**	**78**	<2.0	**34**
	CHLOROETHANE	ug/L		23.2	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	CHLOROFORM	ug/L	80	0.193	**43000**	**4.2**	**6.4**	<40	**1.7**	<2.0	**250**	<2.0	**63**
	CHLOROMETHANE	ug/L		2.70	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	ug/L		8.16	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<500UJ	<50	<50	<100UJ	<5.0	<5.0UJ	<5.0	<5.0	<5.0
	DIMETHYL DISULFIDE	ug/L			<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	ETHYLBENZENE	ug/L	700	700	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	ug/L		0.862	**110**	<50UJ	<50UJ	<100	<5.0	<5.0UJ	<5.0UJ	<5.0	<5.0UJ
	ISOPROPYLBENZENE	ug/L		679	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENES	ug/L	10000	1220	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	ug/L	5	5	**640**	<20	<20	<40	<2.0	<2.0	**2.3**	<2.0	**2.6**
	NAPHTHALENE	ug/L		0.143	<500	<50	<50	<100	**0.44**	<5.0	<5.0	<5.0	<5.0
	N-BUTYLBENZENE	ug/L		254	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	ug/L		254	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	ug/L	10000	1217	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	ug/L		834	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	ug/L		254	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	STYRENE	ug/L	100	100	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	ug/L		254	**28**	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	ug/L	5	5	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TOLUENE	ug/L	1000	1000	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<200	<20	<20	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	ug/L	5	5	<200	**29**	**6.9**	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROFLUOROMETHANE	ug/L		1288	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	ug/L	2	2	<500	<50	<50	<100	<5.0	<5.0	<5.0	<5.0	<5.0
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	DEEP	DEEP	DEEP	DEEP	DEEP
	EXCEEDS BCL	Location			MC-MW-37	MC-MW-38	MC-MW-39	MC-MW-41	MC-MW-42	DMC-MW-26	DMC-MW-27R	DMC-MW-28	DMC-MW-28	MW-08
	Detections **BOLDED**	Date			4/30/2013	5/6/2013	4/30/2013	5/3/2013	5/2/2013	5/14/2013	5/17/2013	5/17/2013	5/17/2013	5/14/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	FD	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
PESTICIDES	2,4'-DDD	ug/L			<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	2,4'-DDE	ug/L			<0.095UJ	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	2,4'-DDT	ug/L			<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	4,4'-DDD	ug/L		0.280	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	4,4'-DDE	ug/L		0.198	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	4,4'-DDT	ug/L		0.198	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48	<0.095	<0.096	<0.096	<0.096
	ALDRIN	ug/L		0.00395	<0.0047	<0.0048	<0.0049	<0.0047	<0.0048	<0.024	<0.0048	<0.0048	<0.0048	<0.0048
	ALPHA-BHC	ug/L		10.95	<0.0047	**0.022**	<0.0049	<0.0047	<0.0048	<0.024UJ	<0.0048	<0.0048	<0.0048	<0.0048UJ
	BETA-BHC	ug/L		2.19	<0.0095	<0.0095	<0.0098	<0.0095	<0.0096	<0.048UJ	<0.0095	<0.0096	<0.0096	<0.0096UJ
	CHLORDANE	ug/L	2	2	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	DELTA-BHC	ug/L		11	<0.19	<0.19	<0.20	<0.19	<0.19	<0.96UJ	<0.19	<0.19	<0.19	<0.19UJ
	DIELDRIN	ug/L		0.00420	<0.0047	<0.0048	<0.0049	<0.0047	<0.0048	<0.024	<0.0048	<0.0048	<0.0048	<0.0048
	ENDOSULFAN I	ug/L		219	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	ENDOSULFAN II	ug/L		219	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48	<0.095	<0.096	<0.096	<0.096
	ENDOSULFAN SULFATE	ug/L			<0.19	<0.19	<0.20	<0.19	<0.19	<0.96	<0.19	<0.19	<0.19	<0.19
	ENDRIN	ug/L	2	2	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48	<0.095	<0.096	<0.096	<0.096
	ENDRIN ALDEHYDE	ug/L			<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	ENDRIN KETONE	ug/L			<0.095	<0.095	<0.098	<0.095	<0.096	<0.48	<0.095	<0.096	<0.096	<0.096
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.095	**0.022**	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	HEPTACHLOR	ug/L	0.4	0.4	<0.0095	<0.0095	<0.0098	<0.0095	<0.0096	<0.048	<0.0095	<0.0096	<0.0096	<0.0096
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0047	<0.0048	<0.0049	<0.0047	<0.0048	<0.024UJ	<0.0048	<0.0048	<0.0048	<0.0048UJ
	METHOXYCHLOR	ug/L	40	40	<0.095	<0.095	<0.098	<0.095	<0.096	<0.48UJ	<0.095	<0.096	<0.096	<0.096UJ
	TOXAPHENE	ug/L	3	3	<4.7	<4.8	<4.9	<4.7	<4.8	<24	<4.8	<4.8	<4.8	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	ug/L		2.42	**4.9**	**1.8**	<2.0	**20**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHENE	ug/L	7	7	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	ug/L			<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<20	<10	<100	<10	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	ug/L	600	600	<2.0	**3.8**	**3.2**	**9.3**	**0.44**	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROETHANE	ug/L	5	5	**2.4**	**0.97**	<2.0	**19**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	ug/L	75	75	<2.0	**7.3**	**5.4**	**16**	**0.82**	<2.0	<2.0	<2.0	<2.0	<2.0
	2,2-DICHLOROPROPANE	ug/L			<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	ug/L			<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	DEEP	DEEP	DEEP	DEEP	DEEP
	EXCEEDS BCL	Location			MC-MW-37	MC-MW-38	MC-MW-39	MC-MW-41	MC-MW-42	DMC-MW-26	DMC-MW-27R	DMC-MW-28	DMC-MW-28	MW-08
	Detections **BOLDED**	Date			4/30/2013	5/6/2013	4/30/2013	5/3/2013	5/2/2013	5/14/2013	5/17/2013	5/17/2013	5/17/2013	5/14/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	FD	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	**7.8**	**400**	**5.8**	**2700**	**1.5**	<2.0	<2.0	<2.0	<2.0	<2.0
	BROMOBENZENE	ug/L		87.6	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	ug/L			<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	**0.52**
	BROMOFORM	ug/L	80	8.51	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	ug/L		8.66	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	ug/L	5	5	**0.5**	<2.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	ug/L	100	100	**7.0**	**270**	**53**	**1200**	**6.9**	<2.0	<2.0	<2.0	<2.0	<2.0
	CHLOROETHANE	ug/L		23.2	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CHLOROFORM	ug/L	80	0.193	**13**	**1.4**	**39**	**170**	**0.93J**	<2.0	<2.0	<2.0	<2.0	**0.76**
	CHLOROMETHANE	ug/L		2.70	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	ug/L		8.16	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<10	<5.0	<50	<5.0	<5.0UJ	<5.0	<5.0	<5.0	<5.0UJ
	DIMETHYL DISULFIDE	ug/L			<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	ETHYLBENZENE	ug/L	700	700	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0UJ	<10UJ	<5.0	<50UJ	<5.0UJ	<5.0	<5.0UJ	<5.0UJ	<5.0UJ	<5.0
	ISOPROPYLBENZENE	ug/L		679	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENES	ug/L	10000	1220	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	ug/L	5	5	<2.0	<4.0	**8.9**	**940**	<2.0	<2.0	**1.1**	**1.1**	**1.1**	<2.0
	NAPHTHALENE	ug/L		0.143	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	N-BUTYLBENZENE	ug/L		254	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	ug/L		254	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	ug/L	10000	1217	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	STYRENE	ug/L	100	100	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0UJ	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	ug/L	5	5	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TOLUENE	ug/L	1000	1000	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	ug/L	5	5	<2.0	<4.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	ug/L	2	2	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP
		Location			TR-01	TR-03	TR-05	TR-07	TR-07	TR-07	TR-07	TR-09	TR-11	TR-12
		Date			5/16/2013	5/16/2013	5/10/2013	5/10/2013	7/17/2013	7/29/2013	7/29/2013	5/2/2013	5/15/2013	5/15/2013
		Sample Purpose			REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
		Units												
PESTICIDES	2,4'-DDD	ug/L			<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	2,4'-DDE	ug/L			<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	2,4'-DDT	ug/L			<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	4,4'-DDD	ug/L		0.280	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	4,4'-DDE	ug/L		0.198	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	4,4'-DDT	ug/L		0.198	**0.0056**	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	ALDRIN	ug/L		0.00395	<0.0048	<0.0048	<0.0048	<0.0048	--	--	--	<0.0049	<0.0048	<0.0048
	ALPHA-BHC	ug/L		10.95	<0.0048	<0.0048	<0.0048	**0.027**	--	--	--	<0.0049	<0.0048	**0.0039**
	BETA-BHC	ug/L		2.19	<0.0096	<0.0096	<0.0096	<0.0095	--	--	--	<0.0098	<0.0095	<0.0096
	CHLORDANE	ug/L	2	2	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	DELTA-BHC	ug/L		11	<0.19	<0.19	<0.19	<0.19	--	--	--	<0.20	<0.19	<0.19
	DIELDRIN	ug/L		0.00420	<0.0048	<0.0048	<0.0048	<0.0048	--	--	--	<0.0049	<0.0048	<0.0048
	ENDOSULFAN I	ug/L		219	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	ENDOSULFAN II	ug/L		219	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	ENDOSULFAN SULFATE	ug/L			<0.19	<0.19	<0.19	<0.19	--	--	--	<0.20	<0.19	<0.19
	ENDRIN	ug/L	2	2	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	ENDRIN ALDEHYDE	ug/L			<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	ENDRIN KETONE	ug/L			<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	<0.096	<0.096	<0.096	**0.0075**	--	--	--	<0.098	<0.095	<0.096
	HEPTACHLOR	ug/L	0.4	0.4	<0.0096	<0.0096	<0.0096	<0.0095	--	--	--	<0.0098	<0.0095	<0.0096
	HEPTACHLOR EPOXIDE	ug/L	0.2	0.2	<0.0048	<0.0048	<0.0048	<0.0048	--	--	--	<0.0049	<0.0048	<0.0048
	METHOXYCHLOR	ug/L	40	40	<0.096	<0.096	<0.096	<0.095	--	--	--	<0.098	<0.095	<0.096
	TOXAPHENE	ug/L	3	3	**0.35**	<4.8	<4.8	<4.8	--	--	--	<4.9	<4.8	<4.8
VOLATILE ORGANIC COMPOUNDS	1,1,1,2-TETRACHLOROETHANE	ug/L		0.524	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1,1-TRICHLOROETHANE	ug/L	200	200	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2,2-TETRACHLOROETHANE	ug/L		0.0671	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1,2-TRICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHANE	ug/L		2.42	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,1-DICHLOROETHENE	ug/L	7	7	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,1-DICHLOROPROPENE	ug/L			<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2,3-TRICHLOROBENZENE	ug/L			<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,3-TRICHLOROPROPANE	ug/L		0.00224	<10	<10	<10	--	<10	<10	<10	<10	<10	<10
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2,4-TRIMETHYLBENZENE	ug/L		14.6	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DIBROMO-3-CHLOROPROPANE	ug/L		0.2	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	1,2-DIBROMOETHANE	ug/L		0.05	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROBENZENE	ug/L	600	600	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROETHANE	ug/L	5	5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,2-DICHLOROPROPANE	ug/L	5	5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3,5-TRIMETHYLBENZENE	ug/L		14.5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROBENZENE	ug/L		86.7	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,3-DICHLOROPROPANE	ug/L		8.25	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	1,4-DICHLOROBENZENE	ug/L	75	75	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	2,2-DICHLOROPROPANE	ug/L			<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	2-CHLOROTOLUENE	ug/L		91.3	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	4-CHLOROTOLUENE	ug/L			<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

See last page for definitions of abbreviations and footnotes

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TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP
	EXCEEDS BCL	Location			TR-01	TR-03	TR-05	TR-07	TR-07	TR-07	TR-07	TR-09	TR-11	TR-12
	Detections **BOLDED**	Date			5/16/2013	5/16/2013	5/10/2013	5/10/2013	7/17/2013	7/29/2013	7/29/2013	5/2/2013	5/15/2013	5/15/2013
		Sample Purpose			REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
Parameter Group	Parameter	Units												
VOLATILE ORGANIC COMPOUNDS	BENZENE	ug/L	5	5	<2.0	<2.0	**0.42**	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	BROMOBENZENE	ug/L		87.6	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOCHLOROMETHANE	ug/L			<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMODICHLOROMETHANE	ug/L	80	0.117	<2.0	**0.32**	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	BROMOFORM	ug/L	80	8.51	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	BROMOMETHANE	ug/L		8.66	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CARBON TETRACHLORIDE	ug/L	5	5	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	CHLOROBENZENE	ug/L	100	100	<2.0	<2.0	**0.36**	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	CHLOROETHANE	ug/L		23.2	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CHLOROFORM	ug/L	80	0.193	**0.62**	**0.8**	<2.0	--	<2.0	<2.0	<2.0	<2.0	**0.35**	**0.68**
	CHLOROMETHANE	ug/L		2.70	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	CIS-1,2-DICHLOROETHENE	ug/L	70	70	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	CIS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOCHLOROMETHANE	ug/L	80	0.147	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DIBROMOMETHANE	ug/L		8.16	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	DICHLORODIFLUOROMETHANE	ug/L		395	<5.0	<5.0	<5.0	--	<5.0UJ	<5.0	<5.0	<5.0	<5.0	<5.0
	DIMETHYL DISULFIDE	ug/L			<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	ETHYLBENZENE	ug/L	700	700	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	HEXACHLOROBUTADIENE	ug/L		0.862	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0UJ	<5.0	<5.0
	ISOPROPYLBENZENE	ug/L		679	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	M,P-XYLENES	ug/L	10000	1220	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	METHYLENE CHLORIDE	ug/L	5	5	**2.0J**	**1.8J**	<2.0	--	<2.0	<2.0	<2.0	<2.0	**2.1J**	**2.0J**
	NAPHTHALENE	ug/L		0.143	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	N-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	N-PROPYLBENZENE	ug/L		254	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	O-XYLENE	ug/L	10000	1217	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	P-ISOPROPYL TOLUENE	ug/L		834	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	SEC-BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	STYRENE	ug/L	100	100	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TERT- BUTYLBENZENE	ug/L		254	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	TETRACHLOROETHENE	ug/L	5	5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TOLUENE	ug/L	1000	1000	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,2-DICHLOROETHENE	ug/L	100	100	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRANS-1,3-DICHLOROPROPENE	ug/L		0.433	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROETHENE	ug/L	5	5	<2.0	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	TRICHLOROFLUOROMETHANE	ug/L		1288	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	VINYL CHLORIDE	ug/L	2	2	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ORGANIC ACIDS	4-CHLOROBENZENESULFONIC ACID	ug/L		36500	--	--	--	--	--	--	--	--	--	--
	BENZENESULFONIC ACID	ug/L		18250	--	--	--	--	--	--	--	--	--	--
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	--	--	--	--	--	--	--	--	--	--
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	--	--	--	--	--	--	--	--	--	--
	PHTHALIC ACID	ug/L		73000	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

TABLE 3
ORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

FOOTNOTES:

a = NDEP Basic Comparison Levels, revision August 5, 2013

ABBREVIATIONS AND QUALIFIERS:

EW PERF = Annual extraction well monitoring round conducted as part of the Groundwater Treatment System monitoring program
SITEWIDE = Sitewide Monitoring Round
TRANSECT = Transect well monitoring round conducted as part of the Groundwater Treatment System monitoring program
CP = Closed Pond annual sampling round
REG = Regular Sample
FD = Duplicate Sample
J = The associated value is an estimated quantity.
J- = The associated numerical value is an estimated quantity with a negative bias.
J+ = The associated numerical value is an estimated quantity with a positive bias.
UJ = The sample was analyzed for, but was not detected. The associated quantitation or detection limit is an estimate.
-- = Not analyzed

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TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]										
		Aquifer			SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			AA-BW-03A	AA-MW-05	AA-MW-13R	AA-MW-14	AA-MW-14	AA-MW-20	AA-MW-24	AA-MW-24	AA-MW-25	B-01
		Date			5/2/2013	4/25/2013	5/6/2013	5/9/2013	5/9/2013	5/8/2013	4/26/2013	4/26/2013	5/7/2013	5/6/2013
		Sample Purpose			REG	REG	REG	FD	REG	REG	FD	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**110**	**130**	**51000J-CAB**	**680**	**650**	**220**	**140**	**140**	**380**	**450**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**110**	**130**	<1000	**680**	**650**	**220**	**140**	**140**	**380**	**450**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	**24000J-CAB**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	**27000J-CAB**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	<1.2	**0.36**	<1.2UJ	**0.67**	**0.82**	<1.2	**0.33**	**0.32**	**0.25**	**2.0J-**
	BROMIDE (Dissolved)	mg/L		12.4	<10	**1.9**	**44**	<25	<25	<5.0	**2.2**	**2.5**	<25	<50
	CALCIUM (Dissolved)	mg/L			**510**	**170**	<5.0	**1700**	**1800**	**240**	**170**	**180**	**660**	**1500**
	CHLORIDE (Dissolved)	mg/L			**2900**	**360**	**12000J-CAB**	**4300**	**4200**	**1100J-**	**520**	**560**	**6500**	**8600**
	FLUORIDE (Dissolved)	mg/L	4	4	<10	<2.5	**55J-CAB**	<25	<25	**3.5**	<2.5	<2.5	<25	<50
	MAGNESIUM (Dissolved)	mg/L		207	**430**	**100**	<1.0	**510**	**560**	**230**	**89**	**95**	**580**	**810**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	<2.2	**1.5**	<11UJ	**5.0**	**5.4**	<1.1UJ	**1.3**	**1.3**	<5.5	<11UJ
	NITRITE (AS N) (Dissolved)	mg/L		1	<3.0	<0.75	<15	<7.5	<7.5	<1.5	<0.75	<0.75	<7.5	<15
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<10	<2.5	**110**	<25	<25	<5.0	<2.5	<2.5	<25	<50
	PERCHLORATE (Dissolved)	ug/L		18	<0.50	**130J**	**270J**	**140**	**150J**	**44J**	**60J**	**57J**	**4.1**	**61J**
	PH (Dissolved)	ph Units			**7.43J**	**7.64**	**9.11J**	**6.61J**	**6.66J**	**6.34J**	**6.39J**	**6.62J**	**7.04J**	**6.68J**
	POTASSIUM (Dissolved)	mg/L			**16J**	**16**	**1400J-CAB**	**77**	**81**	**22**	**15**	**15**	**39**	**86**
	SODIUM (Dissolved)	mg/L			**1100**	**430**	**29000J-CAB**	**570**	**600**	**620**	**460**	**460**	**3000**	**3300**
	SULFATE (Dissolved)	mg/L			**1200**	**1100**	**4300J-CAB**	**1300**	**1300**	**1100**	**890J-**	**900J-**	**1700**	**1200**
	TOTAL ANIONS (Dissolved)	meq/L			**110**	**36**	**1500**	**160**	**160**	**59**	**36**	**37**	**230**	**280**
	TOTAL CATIONS (Dissolved)	meq/L			**110**	**36**	**1300**	**150**	**160**	**58**	**36**	**37**	**210**	**290**
	CATION/ANION BALANCE (Dissolved)	%			**0**	**0**	**-6**	**-3**	**2**	**0**	**0**	**0**	**-3**	**2**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**9300**	**2500**	**110000**	**12000**	**13000**	**4300**	**2500**	**2600**	**14000**	**22000**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	**0.046**	<0.01	**14**	**0.073**	**0.074**	<0.01	<0.01	<0.01	<0.01	<0.01
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**110**	**49**	**2000J**	**0.86**	**0.87**	**44**	**14**	**14**	**360**	**28**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.042**	**0.014**	**3.8**	**0.044**	**0.046**	**0.028**	**0.028**	**0.028**	**0.054**	**0.018J+**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	<0.0001	<0.0005	**0.00059**	**0.00067**	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	<0.0005	**0.0089**	**0.011**	**0.00034**	**0.00021**	<0.0005	**0.0072**	**0.0073**	<0.0005	<0.0005
	IRON (Dissolved)	mg/l		0.3	**0.037J**	**0.14**	**1.1**	**0.13**	**0.17**	<0.01	<0.01	<0.01	**0.024**	**0.0075**
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	**0.000088**	<0.0001	**0.043**	**0.00035**	**0.00028**	<0.0001	**0.000056**	<0.0001	**0.00010**	**0.00010**
	MANGANESE (Dissolved)	mg/l		0.02	**1.3**	**0.024**	**0.022**	**5.8**	**6.1**	**0.20**	**0.0013**	**0.0015**	**1.4**	**1.2**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020UJ	<0.00020	**0.00069**	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020UJ
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	<0.0005	**0.0045**	**0.024**	**0.0029**	**0.0029**	**0.0061**	**0.0042**	**0.0037**	**0.0014**	**0.0026**
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.050**	**0.0061**	**0.035**	**0.019**	**0.018**	**0.032**	**0.009**	**0.0091**	**0.14**	**0.015**

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Location			B-16	EC-03	EC-04	EC-07	EC-10	H-11	H-49A	H-55	M-007B	M-057A	M-092
		Date			4/23/2013	5/7/2013	4/26/2013	5/13/2013	5/1/2013	4/25/2013	5/2/2013	4/26/2013	5/1/2013	4/25/2013	5/1/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**190**	**270**	**170**	**300**	**120**	<4.0	**300**	**84**	**96**	**120**	**72**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**190**	**270**	**170**	**300**	**120**	<4.0	**300**	**84**	**96**	**120**	**72**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	**0.25**	**0.44**	**0.41**	**0.67**	**0.31**	**0.28**	**0.29**	**0.36**	**0.26**	**0.26**	**0.32**
	BROMIDE (Dissolved)	mg/L		12.4	<5.0	<25	**4.2**	<10	**1.8J**	**2.7**	<25	**1.9**	<10UJ	**3.9**	**1.2J**
	CALCIUM (Dissolved)	mg/L			**160**	**980**	**190**	**630**	**94**	**81J-CAB**	**400**	**79**	**600**	**230**	**140**
	CHLORIDE (Dissolved)	mg/L			**640J-**	**7700**	**1200**	**3900**	**440**	**570J-CAB**	**5900**	**620**	**3100**	**640**	**180**
	FLUORIDE (Dissolved)	mg/L	4	4	<5.0	<25	<5.0	<10	**0.98J-**	**0.67J-CAB**	<25	<2.5	<10UJ	<5.0	**0.89J-**
	MAGNESIUM (Dissolved)	mg/L		207	**87**	**980**	**110**	**570**	**42**	**16J-CAB**	**380**	**43**	**380**	**110**	**69**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	<1.1	<5.5	**1.6**	**1.8J**	**2.2J**	<0.11	<5.5	<0.55	**2.1J**	**6.7**	**3.5J**
	NITRITE (AS N) (Dissolved)	mg/L		1	<1.5	<7.5	<1.5	<3.0	<0.30UJ	<0.15	<7.5	<0.75	<3.0UJ	<1.5	<0.30UJ
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<5.0	<25	<5.0	<10	<1.0	<0.50	<25	<2.5	<10	<5.0	<1.0
	PERCHLORATE (Dissolved)	ug/L		18	<0.50	**1.4**	**160J**	**4.9**	**34000**	**15**	**35J**	**7.1**	**29000**	**22000**	**1600**
	PH (Dissolved)	ph Units			**7.53**	**6.83J**	**6.02J**	**6.10J**	**6.70J**	**5.41**	**7.35J**	**7.17J**	**7.72J**	**6.56**	**7.92J**
	POTASSIUM (Dissolved)	mg/L			**13**	**53**	**19**	**34**	**12**	**3.1J-CAB**	**35J**	**13**	**23**	**10**	**11**
	SODIUM (Dissolved)	mg/L			**650**	**2800**	**680**	**1400**	**420**	**86J-CAB**	**3900**	**430**	**1400**	**560**	**290**
	SULFATE (Dissolved)	mg/L			**1000**	**1900**	**760J-**	**1400**	**520J-**	**5.3J-CAB**	**2200**	**430J-**	**1500J-**	**1200**	**840J-**
	TOTAL ANIONS (Dissolved)	meq/L			**43**	**260**	**53**	**150**	**26**	**16**	**220**	**28**	**120**	**46**	**24**
	TOTAL CATIONS (Dissolved)	meq/L			**44**	**250**	**49**	**140**	**27**	**9.2**	**220**	**27**	**120**	**45**	**26**
	CATION/ANION BALANCE (Dissolved)	%			**1**	**-2**	**-4**	**-2**	**1**	**-28**	**1**	**-3**	**1**	**-1**	**3**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**2800**	**18000**	**3400**	**11000**	**1900**	**1300**	**14000**	**1800**	**9100**	**3300**	**2000**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	<0.01	<0.01	<0.01	<0.05	**0.0062**	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**130J+**	**96**	**88**	**190**	**72**	<0.10	**260**	**0.14**	**93**	**170**	**89**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.038**	**0.072**	**0.034**	**0.071**	**0.020**	**0.065**	**0.063**	**0.033**	**0.037**	**0.018**	**0.02**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	**0.000069**	<0.0001	<0.0005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	**0.00064**	<0.0005	**0.0049**	<0.0025	**0.0089**	**0.00073**	<0.0025	<0.0005	<0.0005	**0.061**	**0.017**
	IRON (Dissolved)	mg/l		0.3	**0.014**	<0.01	<0.01	**1.2**	<0.01	**160**	<0.05UJ	**0.17**	<0.01	**0.013**	<0.01
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	**0.000086**	**0.000058**	<0.0001	<0.0005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	**0.00013**	<0.0001
	MANGANESE (Dissolved)	mg/l		0.02	**1.6**	**0.95**	**0.0021**	**4.2**	**0.0013**	**35**	**2.4**	**0.39**	**0.0012**	**0.0033**	**0.00079**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	<0.00020UJ	<0.00020	<0.00020	**0.00011**	<0.00020	<0.00020UJ	<0.00020	<0.00020	<0.00020	<0.00020
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	<0.0005	**0.0016**	**0.0085**	**0.0025**	**0.005**	<0.0005	<0.0025	<0.0005	**0.0066**	**0.0040**	**0.0028**
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	**0.000086**	<0.0001	<0.0005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.00082**	**0.17**	**0.0061**	**0.0028**	**0.0042**	**0.000053J**	**0.051**	**0.00027**	**0.044**	**0.0062**	**0.005**

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	M-125	M-142	MC-09R	MC-111	MW-AHX	MW-A-J	MW-A-J	MW-R	PC-028	PC-031
		Aquifer			SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
		Date			4/24/2013	4/24/2013	4/30/2013	5/1/2013	4/25/2013	5/3/2013	5/3/2013	4/23/2013	4/22/2013	4/22/2013
		Sample Purpose			REG	REG	REG	REG	REG	FD	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**80**	**88**	**310**	**130J-CAB**	**100J-CAB**	**240**	**240**	**210**	**96J-CAB**	**240**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**80**	**88**	**310**	**130J-CAB**	**100J-CAB**	**240**	**240**	**210**	**96J-CAB**	**240**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	**0.37**	**0.65**	**0.36**	**0.36**	<1.2	<1.2UJ	**0.37J-**	**0.27**	**0.27J**	**0.24J**
	BROMIDE (Dissolved)	mg/L		12.4	<25	<2.5	<5.0	<10UJ	**1.6**	**9.5**	<10	**3.8**	**3.6J**	<5.0UJ
	CALCIUM (Dissolved)	mg/L			**1000**	**210**	**430**	**490J-CAB**	**180J-CAB**	**370**	**370**	**430**	**590J-CAB**	**160**
	CHLORIDE (Dissolved)	mg/L			**5300**	**410J-**	**6300J-**	**2700J-CAB**	**430J-CAB**	**1100**	**1100**	**1200J-**	**810J-CAB**	**1400**
	FLUORIDE (Dissolved)	mg/L	4	4	<25	<2.5UJ	**9.4**	<10UJ	<1.0	<10	<10	<5.0	<5.0	**3.9**
	MAGNESIUM (Dissolved)	mg/L		207	**570**	**120**	**390**	**290J-CAB**	**86J-CAB**	**170**	**180**	**180**	**220J-CAB**	**78**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	**7.4J+**	**8.1**	**1.1**	<2.2UJ	**6.1J-CAB**	**16**	**15**	**15**	**27J-CAB**	**2.9**
	NITRITE (AS N) (Dissolved)	mg/L		1	<7.5	<0.75	<1.5	<3.0UJ	<0.30	<3.0	<3.0	<1.5	<1.5UJ	<1.5UJ
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<25	<2.5	<5.0	<10	<1.0	**26J+**	**59J+**	<5.0	<5.0UJ	<5.0UJ
	PERCHLORATE (Dissolved)	ug/L		18	**480J**	**9200**	**110J**	**18000**	**47000**	**49000**	**47000**	**59000**	**310000**	**24000**
	PH (Dissolved)	ph Units			**7.06J**	**7.60J**	**6.83**	**7.74J**	**7.76**	**7.39J**	**7.41J**	**7.3**	**7.19**	**7.32**
	POTASSIUM (Dissolved)	mg/L			**34**	**13**	**74**	**23J-CAB**	**16J-CAB**	**24J**	**24J**	**28**	**8.5J-CAB**	**22**
	SODIUM (Dissolved)	mg/L			**2300**	**380**	**4000**	**990J-CAB**	**390J-CAB**	**1000**	**940**	**870**	**920J-CAB**	**1300**
	SULFATE (Dissolved)	mg/L			**800**	**1200J-**	**2300**	**1400J-,J-CAB**	**570J-CAB**	**1600**	**1600**	**1900**	**2400J-CAB**	**1500**
	TOTAL ANIONS (Dissolved)	meq/L			**170**	**39**	**230**	**110**	**19**	**70**	**70**	**78**	**78**	**76**
	TOTAL CATIONS (Dissolved)	meq/L			**200**	**37**	**230**	**92**	**33**	**77**	**75**	**75**	**88**	**72**
	CATION/ANION BALANCE (Dissolved)	%			**8**	**-2**	**-1**	**-8**	**28**	**5**	**3**	**-2**	**6**	**-3**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**14000**	**2700**	**15000**	**7900**	**2300**	**5000**	**5000**	**5000**	**6900**	**4800**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.007**	<0.01	<0.01	<0.01
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**63**	**60**	**150**	**52**	**36**	**79**	**83**	**91J+**	**260J+**	**110J+**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.049**	**0.028**	**0.043**	**0.034**	**0.031**	**0.028J+**	**0.028J+**	**0.028**	**0.015**	**0.017**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	**0.000072**	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.000071**	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	**0.006**	**0.039**	**0.00094**	<0.0005	**0.0077**	<0.0005	<0.0005	**0.00035**	**1**	**0.0017**
	IRON (Dissolved)	mg/l		0.3	<0.01	<0.01	<0.01	<0.01	**0.030**	<0.01UJ	<0.01UJ	<0.01	**0.012**	<0.01
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.000059J**	**0.00007J**	<0.0001	**0.000082**	<0.0001
	MANGANESE (Dissolved)	mg/l		0.02	**0.05**	**0.00047**	**0.044**	**0.022**	**0.0059**	**0.32**	**0.32**	**0.025**	**0.0022**	**0.91**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	**0.00015J**	<0.00020	<0.00020	<0.00020	<0.00020UJ	<0.00020UJ	<0.00020	<0.00020	<0.00020
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	**0.0050**	**0.0028**	**0.0023**	**0.0037**	**0.0067**	**0.0081**	**0.0082**	**0.0097**	**0.0096**	**0.0015**
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.00026**	**0.00027**	<0.0001	**0.00026**	**0.00019**
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.021**	**0.0075**	**0.022**	**0.036**	**0.0063**	**0.032**	**0.033**	**0.033**	**0.14**	**0.011**

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			PC-040	PC-064	PC-067	PC-132	PW-01	WELL-C	WELL-D2	WELL-E3	WELL-F	WELL-G
	Detections **BOLDED**	Date			5/2/2013	4/23/2013	4/23/2013	5/2/2013	5/7/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF
		Samplers												
Parameter Group	Parameter	Units			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**290**	**72**	**220**	**230J-CAB**	**480J-CAB**	--				
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**290**	**72**	**220**	**230J-CAB**	**480J-CAB**	--	--	--	--	--
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4	--	--	--	--	--
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4	--	--	--	--	--
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	**0.31**	<1.2	**0.35**	**0.55**	<1.2	--	--	--	--	--
	BROMIDE (Dissolved)	mg/L		12.4	<25	<10	<25	<10	<10	--	--	--	--	--
	CALCIUM (Dissolved)	mg/L			**440**	**560**	**820**	**310J-CAB**	**310J-CAB**	--	--	--	--	--
	CHLORIDE (Dissolved)	mg/L			**6100**	**710J-**	**3700J-**	**3100J-CAB**	**2300J-CAB**	--	--	--	--	--
	FLUORIDE (Dissolved)	mg/L	4	4	<25	<10	<25	<10	<10	--	--	--	--	--
	MAGNESIUM (Dissolved)	mg/L		207	**350**	**180**	**330**	**180J-CAB**	**480J-CAB**	--	--	--	--	--
	NITRATE (AS N) (Dissolved)	mg/L	10	10	<5.5	**35**	**32**	<2.2	<2.2	--	--	--	--	--
	NITRITE (AS N) (Dissolved)	mg/L		1	<7.5	<3.0	<7.5	<3.0	<3	--	--	--	--	--
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<25	<10	<25	<10	<10	--	--	--	--	--
	PERCHLORATE (Dissolved)	ug/L		18	<0.50	**290000**	**22000**	**1400**	**92J**	--	--	--	--	--
	PH (Dissolved)	ph Units			**7.05J**	**7.69J**	**5.98**	**7.44J**	**6.6J**	--	--	--	--	--
	POTASSIUM (Dissolved)	mg/L			**33J**	**11**	**24**	**35J,J-CAB**	**31J+,J-CAB**	--	--	--	--	--
	SODIUM (Dissolved)	mg/L			**3900**	**1200**	**2400**	**2700J-CAB**	**1300J-CAB**	--	--	--	--	--
	SULFATE (Dissolved)	mg/L			**2300**	**3000**	**2500**	**1800J-CAB**	**2800J-CAB**	--	--	--	--	--
	TOTAL ANIONS (Dissolved)	meq/L			**230**	**87**	**160**	**130**	**130**	--	--	--	--	--
	TOTAL CATIONS (Dissolved)	meq/L			**220**	**95**	**170**	**150**	**110**	--	--	--	--	--
	CATION/ANION BALANCE (Dissolved)	%			**-1**	**4**	**3**	**7**	**-8**	--	--	--	--	--
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**15000**	**7200**	**11000**	**8800**	**7800**	**2700**	**8500**	**12000**	**18000**	**21000**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	<0.05	<0.01	**0.014**	<0.05	<0.01	--	--	--	--	--
	ARSENIC	ug/L	10	10	--	--	--	--	--	**130**	**110**	**87**	**120**	**110**
	ARSENIC (Dissolved)	ug/L	10	10	**280**	**270J+**	**160J+**	**140**	**91J**	--	--	--	--	--
	BARIUM	mg/l	2	2	--	--	--	--	--	**0.027**	**0.037**	**0.045**	**0.037**	**0.052**
	BARIUM (Dissolved)	mg/l	2	2	**0.053**	**0.01**	**0.054**	**0.035**	**0.026**	--	--	--	--	--
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0005	<0.0001	**0.000079**	<0.0005	<0.0001	--	--	--	--	--
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	**0.00034**	<0.0005	<0.0005	**0.00032**	**0.00047**
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	<0.0025	**1.1**	**0.38**	<0.0025	**0.00036**	--	--	--	--	--
	IRON (Dissolved)	mg/l		0.3	<0.05UJ	<0.01	<0.01	**0.041J**	<0.01	--	--	--	--	--
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	**0.00015**	<0.0001	<0.0001	<0.0001	<0.0001
	LEAD (Dissolved)	mg/l	0.015	0.015	**0.00029**	**0.00011**	**0.00034**	<0.0005	<0.0001	--	--	--	--	--
	MANGANESE (Dissolved)	mg/l		0.02	**1.9**	**0.036**	**0.0096**	**1.2**	**0.29**	--	--	--	--	--
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020UJ	<0.00020	<0.00020	<0.00020UJ	**0.00018J-**					
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	**0.0011**	**0.00068**	**0.00075**	**0.00096**	**0.0013**
	SELENIUM (Dissolved)	mg/l	0.05	0.05	<0.0025	**0.0084**	**0.0067**	**0.0025**	**0.026**	--	--	--	--	--
	SILVER	mg/l		0.1	--	--	--	--	--	**0.00020**	<0.0001	<0.0001	<0.0001	<0.0001
	SILVER (Dissolved)	mg/l		0.1	<0.0005	<0.0001	**0.00018**	**0.00027**	<0.0001	--	--	--	--	--
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	**0.020**	**0.0077**	**0.011**	**0.011**	**0.020**
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.071**	**0.055**	**0.12**	**0.034**	**0.30**	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW	SHALLOW
	EXCEEDS BCL	Location			WELL-H2	WELL-I	WELL-J	WELL-K2	WELL-L	WELL-M2	WELL-N	WELL-O	WELL-P	WELL-Q
	Detections **BOLDED**	Date			4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013	4/19/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF	EW PERF
		Samplers												
Parameter Group	Parameter	Units			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L												
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	--	--	--	--	--	--	--	--	--	--
	BROMIDE (Dissolved)	mg/L		12.4	--	--	--	--	--	--	--	--	--	--
	CALCIUM (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	CHLORIDE (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	FLUORIDE (Dissolved)	mg/L	4	4	--	--	--	--	--	--	--	--	--	--
	MAGNESIUM (Dissolved)	mg/L		207	--	--	--	--	--	--	--	--	--	--
	NITRATE (AS N) (Dissolved)	mg/L	10	10	--	--	--	--	--	--	--	--	--	--
	NITRITE (AS N) (Dissolved)	mg/L		1	--	--	--	--	--	--	--	--	--	--
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	PERCHLORATE (Dissolved)	ug/L		18	--	--	--	--	--	--	--	--	--	--
	PH (Dissolved)	ph Units			--	--	--	--	--	--	--	--	--	--
	POTASSIUM (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	SODIUM (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	SULFATE (Dissolved)	mg/L			--	--	--	--	--	--	--	--	--	--
	TOTAL ANIONS (Dissolved)	meq/L			--	--	--	--	--	--	--	--	--	--
	TOTAL CATIONS (Dissolved)	meq/L			--	--	--	--	--	--	--	--	--	--
	CATION/ANION BALANCE (Dissolved)	%			--	--	--	--	--	--	--	--	--	--
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**23000**	**17000**	**5500**	**28000**	**14000**	**29000**	**4800**	**20000**	**3700**	**4400**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	--	--	--	--	--	--	--	--	--	--
	ARSENIC	ug/L	10	10	**140**	**280**	**81**	**210**	**56**	**180**	**110**	**110**	**130**	**110**
	ARSENIC (Dissolved)	ug/L	10	10	--	--	--	--	--	--	--	--	--	--
	BARIUM	mg/l	2	2	**0.056**	**0.068**	**0.042**	**0.046**	**0.044**	**0.062**	**0.030**	**0.042**	**0.026**	**0.029**
	BARIUM (Dissolved)	mg/l	2	2	--	--	--	--	--	--	--	--	--	--
	CADMIUM	mg/l	0.005	0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**0.000051**	<0.0001	<0.0001
	CADMIUM (Dissolved)	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--
	CHROMIUM	mg/l	0.1	0.1	**0.0022**	**0.00052**	**0.00023**	**0.00063**	<0.001	**0.0018**	**0.00026**	**0.0051**	<0.0005	**0.00024**
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--
	IRON (Dissolved)	mg/l		0.3	--	--	--	--	--	--	--	--	--	--
	LEAD	mg/l	0.015	0.015	<0.0001	**0.00011**	<0.0001	<0.0001	<0.0002	**0.000066**	**0.00028**	**0.000095**	<0.0001	**0.00067**
	LEAD (Dissolved)	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--
	MANGANESE (Dissolved)	mg/l		0.02	--	--	--	--	--	--	--	--	--	--
	MERCURY	mg/L	0.002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.0001**
	MERCURY (Dissolved)	mg/L	0.002	0.002										
	SELENIUM	mg/l	0.05	0.05	**0.00087**	**0.00059**	**0.0011**	**0.0011**	**0.0009**	**0.00094**	**0.00062**	**0.00064**	**0.00044**	**0.00041**
	SELENIUM (Dissolved)	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--
	SILVER	mg/l		0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	**0.00019**	<0.0001
	SILVER (Dissolved)	mg/l		0.1	--	--	--	--	--	--	--	--	--	--
	URANIUM	mg/l	0.03	0.03	**0.018**	**0.052**	**0.0029**	**0.022**	**0.0072**	**0.025**	**0.0039**	**0.016**	**0.0029**	**0.0030**
	URANIUM (Dissolved)	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	SHALLOW	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			WELL-R	AGX-90	CP-01	DPT-01	EC-12	EC-13	EC-14	M-136	M-149	M-150
		Date			4/19/2013	5/8/2013	4/23/2013	5/6/2013	4/23/2013	5/8/2013	4/24/2013	4/25/2013	4/24/2013	4/25/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			EW PERF	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L				**92**	**80**	**120**	**84**	**120J-CAB**	**120**	**76**	**64**	**96J-CAB**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			--	**92**	**80**	**120**	**84**	**120J-CAB**	**120**	**76**	**64**	**96J-CAB**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			--	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			--	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	--	<1.2	<1.2	**2.4J-**	<1.2	<1.2	**0.93**	**0.29**	**0.51**	**0.40**
	BROMIDE (Dissolved)	mg/L		12.4	--	**0.47**	**1.1**	**0.76**	**0.59**	**0.65**	**0.89**	**0.94**	<2.5	**0.45**
	CALCIUM (Dissolved)	mg/L			--	**43**	**51**	**43**	**54**	**49J-CAB**	**61**	**78**	**210**	**25J-CAB**
	CHLORIDE (Dissolved)	mg/L			--	**190J-**	**190J-**	**170**	**190J-**	**200J-,J-CAB**	**190J-**	**340**	**340J-**	**98J-CAB**
	FLUORIDE (Dissolved)	mg/L	4	4	--	**0.74**	**0.87**	**0.86**	**0.67**	**0.86J-CAB**	**0.61J-**	<0.50	<2.5UJ	**0.79J-CAB**
	MAGNESIUM (Dissolved)	mg/L		207	--	**27**	**21**	**24**	**23**	**24J-CAB**	**21**	**53**	**110**	**14J-CAB**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	--	**0.86J**	**1.2**	**0.49J-**	**1.0**	<0.11UJ	**0.73**	**2.3**	**4.2**	**1.8J-CAB**
	NITRITE (AS N) (Dissolved)	mg/L		1	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.75	<0.15
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			--	<0.50	<0.50	<0.50	<0.50	<0.50	**0.65**	<0.50	<2.5	<0.50
	PERCHLORATE (Dissolved)	ug/L		18	--	**0.39**	**5.1**	**0.65**	**0.61**	**0.17**	**0.39**	**71000**	**350000**	**130J**
	PH (Dissolved)	ph Units			--	**7.88J**	**7.02J**	**7.90J**	**7.82**	**5.95J**	**5.88J**	**7.87**	**6.43J**	**7.88**
	POTASSIUM (Dissolved)	mg/L			--	**8.5**	**9.1**	**8.7**	**9.5**	**7.8J-CAB**	**8.6**	**11**	**15**	**5.8J-CAB**
	SODIUM (Dissolved)	mg/L			--	**140**	**160**	**170**	**170**	**140J-CAB**	**160**	**230**	**270**	**120J-CAB**
	SULFATE (Dissolved)	mg/L			--	**220**	**230**	**210**	**230**	**240J-CAB**	**220J-**	**290**	**220J-**	**180J-CAB**
	TOTAL ANIONS (Dissolved)	meq/L			--	**12**	**12**	**12**	**12**	**13**	**12**	**18**	**19**	**8.5**
	TOTAL CATIONS (Dissolved)	meq/L			--	**11**	**11**	**12**	**12**	**11**	**12**	**19**	**32**	**7.8**
	CATION/ANION BALANCE (Dissolved)	%			--	**-5**	**-1**	**1**	**1**	**-10**	**-2**	**2**	**25**	**-4**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**5100**	**720**	**740**	**730**	**760**	**810**	**760**	**1200**	**2900**	**530**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	--	<0.01	**0.010**	**0.0064**	<0.01	**0.0051**	**0.020**	<0.01	**0.0092**	<0.01
	ARSENIC	ug/L	10	10	**110**	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	--	**22**	**54J+**	**25**	**53J+**	**29**	**28**	**34**	**27**	**34**
	BARIUM	mg/l	2	2	**0.039**	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	--	**0.027**	**0.027**	**0.087J+**	**0.029**	**0.034**	**0.037**	**0.039**	**0.064**	**0.026**
	CADMIUM	mg/l	0.005	0.005	<0.0001	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	--	**0.000078**	<0.0001	<0.0001	**0.000074**	<0.0001	**0.000055**	<0.0001	<0.0001	<0.0001
	CHROMIUM	mg/l	0.1	0.1	**0.00055**	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	--	**0.010**	**0.011**	<0.0005	**0.013**	**0.0005**	**0.006**	**0.075**	**2.9**	**0.030**
	IRON (Dissolved)	mg/l		0.3	--	<0.01	<0.01	<0.01	<0.01	**0.28**	<0.01	**0.0076**	<0.01	<0.01
	LEAD	mg/l	0.015	0.015	**0.00006**	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	--	**0.00014**	**0.000063**	<0.0001	**0.00011**	**0.000065**	**0.000093**	<0.0001	<0.0001	<0.0001
	MANGANESE (Dissolved)	mg/l		0.02	--	**0.0014**	**0.0016**	**0.015**	**0.0005**	**0.1**	**0.026**	**0.0012**	**0.0050**	**0.00097**
	MERCURY	mg/L	0.002	0.002	<0.0002	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002		<0.00020	<0.00020	<0.00020UJ	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	SELENIUM	mg/l	0.05	0.05	**0.0003**	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	--	**0.0020**	**0.0018**	**0.0023**	**0.0024**	**0.00055**	**0.0016**	**0.0024**	**0.0022**	**0.0015**
	SILVER	mg/l		0.1	<0.0001	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	--	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	URANIUM	mg/l	0.03	0.03	**0.0047**	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	--	**0.0026**	**0.0018**	**0.0027**	**0.0023**	**0.0019**	**0.0024**	**0.0041**	**0.0039**	**0.0045**

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			MCF-BW-08	MCF-BW-10A	MC-MW-09	MC-MW-10	MC-MW-11	MC-MW-12	MC-MW-15	MC-MW-17	MC-MW-18	MC-MW-29	MC-MW-30
		Date			5/13/2013	5/13/2013	5/9/2013	5/10/2013	5/7/2013	5/13/2013	5/10/2013	5/6/2013	5/9/2013	5/6/2013	5/3/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**92J-CAB**	**120J-CAB**	**96**	**120**	**88**	**64**	**72**	**300**	**68**	**180**	**96**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**92J-CAB**	**120J-CAB**	**96**	**120**	**88**	**64**	**72**	**300**	**68**	**180**	**96**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	**0.26**	<1.2	**0.24**	<1.2	**0.28**	**0.27**	<1.2	**0.24J-**	**0.41**	<1.2UJ	<1.2UJ
	BROMIDE (Dissolved)	mg/L		12.4	**0.80J+**	**1.6J+**	**0.59**	<10	**0.81**	<0.50	<10	<50	<10	<10	<25
	CALCIUM (Dissolved)	mg/L			**45J-CAB**	**93**	**47**	**1300**	**56**	**53J-CAB**	**370**	**1400**	**540**	**510**	**660**
	CHLORIDE (Dissolved)	mg/L			**270J-CAB**	**410J-CAB**	**180**	**10000J-**	**250**	**310**	**20000J-**	**17000**	**3200**	**4300**	**4700**
	FLUORIDE (Dissolved)	mg/L	4	4	**0.77J-CAB**	**0.96J-CAB**	**0.99**	<10	**0.74**	**0.61**	<10	<50	<10	<10	<25
	MAGNESIUM (Dissolved)	mg/L		207	**28J-CAB**	**40**	**23**	**1200**	**26**	**33J-CAB**	**400**	**820**	**350**	**380**	**500**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	**0.088J,J-CAB**	**1.7J+,J-CAB**	**0.41**	<2.2	<0.11	**0.32J+**	<2.2	**8.1J-**	<2.2	<2.2UJ	<5.5
	NITRITE (AS N) (Dissolved)	mg/L		1	<0.15	<0.30	<0.15	<3.0	<0.15	<0.15	<3.0	<15	<3.0	<3.0	<7.5
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<0.50	<1.0	<0.50	<10	<0.50	<0.50	<10	<50	<10	<10	**54J+**
	PERCHLORATE (Dissolved)	ug/L		18	**0.33**	**1100**	**0.33**	**1.2**	**0.23**	**2.5**	**0.43**	**190J**	**9.9**	<0.50	**1.8**
	PH (Dissolved)	ph Units			**7.73J**	**6.58J**	**7.88J**	**6.95J**	**7.76J**	**7.74J**	**5.85J**	**6.34J**	**7.06J**	**5.79J**	**6.03J**
	POTASSIUM (Dissolved)	mg/L			**8.7J-CAB**	**12**	**9.6**	**57**	**10**	**8.8J-CAB**	**75**	**96**	**33**	**36**	**36J**
	SODIUM (Dissolved)	mg/L			**180J-CAB**	**340**	**170**	**3800**	**180**	**180J-CAB**	**13000**	**9100**	**1100**	**2400**	**2000**
	SULFATE (Dissolved)	mg/L			**230J-CAB**	**680J-CAB**	**220**	**1800J-**	**250**	**170**	**2700J-**	**3200**	**980**	**1500**	**1300**
	TOTAL ANIONS (Dissolved)	meq/L			**14**	**28**	**12**	**320**	**14**	**14**	**620**	**550**	**110**	**160**	**160**
	TOTAL CATIONS (Dissolved)	meq/L			**13**	**23**	**12**	**330**	**13**	**13**	**620**	**540**	**100**	**160**	**160**
	CATION/ANION BALANCE (Dissolved)	%			**-6**	**-10**	**0**	**1**	**-4**	**-1**	**0**	**-2**	**-3**	**2**	**0**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**830**	**1500**	**720**	**23000**	**840**	**890**	**740**	**37000**	**7800**	**10000**	**13000**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	**0.007**	<0.01	<0.01	<0.02	<0.01	<0.01	<0.05	<0.01	<0.01	**0.011**	**0.012**
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**19**	**46**	**23**	**52**	**43**	**11**	**140**	**11**	**4.8**	**34**	**9**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.027**	**0.020**	**0.025**	**0.081**	**0.037**	**0.048**	**0.053**	**0.065J+**	**0.094**	**0.069J+**	**0.078J+**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	<0.0005	**0.0081**	**0.0039**	<0.0005	<0.0005	**0.0039**	**0.00032**	**0.0014J+**	<0.0005	**0.00032J+**	**0.0043J+**
	IRON (Dissolved)	mg/l		0.3	<0.01	<0.01	**0.012**	<0.02	<0.01	<0.01	**13**	**54**	**6.3**	**0.69**	**1.6J**
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	<0.0001	<0.0001	**0.000056J**	<0.0001	<0.0001	**0.00016**	<0.0001	<0.0001	**0.00005J**	<0.0001	**0.000056J**
	MANGANESE (Dissolved)	mg/l		0.02	**0.038**	**0.00092**	**0.012**	**2.8**	**0.0039**	**0.054**	**1.2**	**0.71**	**0.18**	**0.32**	**1.3**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020UJ	<0.00020	<0.00020UJ	<0.00020UJ
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	**0.00089**	**0.0039**	**0.0018**	**0.0012**	**0.00059**	**0.0014**	**0.0020**	**0.0086**	**0.0018**	<0.0005	**0.00098**
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.0061**	**0.0042**	**0.0021**	**0.033**	**0.0028**	**0.0011**	**0.086**	**0.12**	**0.0033**	**0.053**	**0.0044**

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE	MIDDLE
		Location			MC-MW-31	MC-MW-32	MC-MW-33	MC-MW-34	MC-MW-35	MC-MW-36	MC-MW-37	MC-MW-38	MC-MW-39	MC-MW-41	MC-MW-42
		Date			5/9/2013	5/9/2013	5/8/2013	4/30/2013	4/30/2013	4/30/2013	4/30/2013	5/6/2013	4/30/2013	5/3/2013	5/2/2013
		Sample Purpose			REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**110**	**96**	**190**	**110**	**96J-CAB**	**100**	**140J-CAB**	**120**	**56J-CAB**	**10**	**88**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**110**	**96**	**190**	**110**	**96J-CAB**	**100**	**140J-CAB**	**120**	**48J-CAB**	**10**	**88**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**8.0J-CAB**	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	**0.59**	**0.41**	<1.2	**0.27**	**0.3**	**0.6**	**0.32**	**0.24J-**	**0.32**	**0.68**	<1.2
	BROMIDE (Dissolved)	mg/L		12.4	<10	<10	**0.74**	<1.0	**0.53**	<1.0	<5.0	**5.6**	**0.91**	<25	**0.55**
	CALCIUM (Dissolved)	mg/L			**460**	**420**	**33**	**110**	**40J-CAB**	**110**	**570J-CAB**	**380**	**19J-CAB**	**1300**	**31**
	CHLORIDE (Dissolved)	mg/L			**2800**	**2100**	**170J-**	**620J-**	**110J-,J-CAB**	**700J-**	**2000J-,J-CAB**	**1600**	**180J-,J-CAB**	**17000**	**170**
	FLUORIDE (Dissolved)	mg/L	4	4	<10	<10	**1**	**1**	**0.79J-CAB**	**1**	<5.0	<5.0	**0.79J-CAB**	<25	**0.75**
	MAGNESIUM (Dissolved)	mg/L		207	**290**	**270**	**27**	**68**	**24J-CAB**	**82**	**360J-CAB**	**230**	**19J-CAB**	**650**	**19**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	<2.2	<2.2	<0.11UJ	**0.79**	**0.49J-CAB**	<0.22	**6.4J-CAB**	<1.1UJ	<0.11	<5.5	<0.11
	NITRITE (AS N) (Dissolved)	mg/L		1	<3.0	<3.0	<0.15	<0.30	<0.15	<0.30	<1.5	<1.5	<0.15	<7.5	<0.15
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<10	<10	<0.50	<1.0	<0.50	<1.0	<5.0	<5.0	<0.50	**160J+**	<0.50
	PERCHLORATE (Dissolved)	ug/L		18	**0.089**	**3200J**	<0.50	**0.37**	**0.49**	**0.082**	**120000**	<0.50	**1.8**	**32J**	**1**
	PH (Dissolved)	ph Units			**6.05J**	**7.71J**	**7.73J**	**5.32**	**8.11J**	**6.67J**	**6.73**	**6.36J**	**8.91J**	**5.88J**	**6.10J**
	POTASSIUM (Dissolved)	mg/L			**26**	**23**	**7.2**	**13**	**8.7J-CAB**	**14**	**30J-CAB**	**18**	**16J-CAB**	**330J**	**12J**
	SODIUM (Dissolved)	mg/L			**870**	**1200**	**160**	**310**	**150J-CAB**	**310**	**840J-CAB**	**680**	**190J-CAB**	**8800**	**150**
	SULFATE (Dissolved)	mg/L			**590**	**1800**	**140**	**270**	**200J-CAB**	**300**	**730J-CAB**	**980**	**160J-CAB**	**1900**	**160**
	TOTAL ANIONS (Dissolved)	meq/L			**93**	**99**	**12**	**25**	**9.2**	**28**	**76**	**68**	**9.6**	**520**	**9.9**
	TOTAL CATIONS (Dissolved)	meq/L			**85**	**96**	**11**	**25**	**11**	**26**	**95**	**68**	**11**	**510**	**9.9**
	CATION/ANION BALANCE (Dissolved)	%			**-5**	**-1**	**-2**	**-1**	**8**	**-4**	**11**	**0**	**8**	**-1**	**0**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**5700**	**6300**	**710**	**1600**	**700**	**1700**	**7100**	**5200**	**710**	**36000**	**630**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	**0.015**	<0.01	<0.01	**0.013**	**0.01**	<0.01	<0.01	<0.01	<0.01	<0.05	**0.075**
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**17**	**20**	**16**	**33**	**36**	**27**	**27**	**38**	**6.5**	**7.1**	**15**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.10**	**0.037**	**0.029**	**0.04**	**0.032**	**0.06**	**0.13**	**0.042J+**	**0.022**	**0.29**	**0.066**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	**0.00037**	**0.00033**	**0.00031**	**0.0074**	**0.015**	**0.00042**	**0.13**	<0.0005	<0.0005	<0.0025	**0.00032**
	IRON (Dissolved)	mg/l		0.3	**80**	**0.015**	**0.0084**	**0.072**	**0.018**	**0.046**	<0.01	**0.055**	<0.01	**17J**	**6.1J**
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	<0.0001	<0.0001	<0.0001	**0.00015**	**0.000081**	<0.0001	<0.0001	<0.0001	<0.0001	**0.00063**	**0.00014**
	MANGANESE (Dissolved)	mg/l		0.02	**2.5**	**0.062**	**0.15**	**0.036**	**0.0094**	**0.13**	**0.024**	**0.33**	**0.021**	**2.2**	**0.14**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020UJ	<0.00020	<0.00020UJ	<0.00020UJ
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	**0.00035**	**0.00072**	<0.0005	**0.0014**	**0.0020**	**0.0010**	**0.0012**	**0.00081**	<0.0005	**0.0015**	<0.0005
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.00064**	<0.0001
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.00068**	**0.013**	**0.0083**	**0.0033**	**0.0057**	**0.0048**	**0.040**	**0.020**	<0.0001	**0.0011**	**0.00029**

See last page for definitions of abbreviations and footnotes

HARGIS + ASSOCIATES, INC.

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

	EXCEEDS MCL	Aquifer	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP	DEEP
	EXCEEDS BCL	Location			DMC-MW-26	DMC-MW-27R	DMC-MW-28	DMC-MW-28	MW-08	TR-01	TR-03	TR-05	TR-07	TR-09
	Detections **BOLDED**	Date			5/14/2013	5/17/2013	5/17/2013	5/17/2013	5/14/2013	5/16/2013	5/16/2013	5/10/2013	5/10/2013	5/2/2013
		Sample Purpose			REG	REG	FD	REG	REG	REG	REG	REG	REG	REG
		Sampling Event			SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE	SITEWIDE
		Samplers												
Parameter Group	Parameter	Units			CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**60J-CAB**	**100**	**56**	**60**	**84**	**72**	**72**	**240J-CAB**	**84**	**80J-CAB**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**60J-CAB**	**100**	**52**	**52**	**84**	**72**	**72**	**240J-CAB**	**84**	**80J-CAB**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0	**4**	**8**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	<1.2	**0.28**	**0.28**	**0.26**	<1.2	**0.55**	**1.3**	<1.2	<1.2	<1.2
	BROMIDE (Dissolved)	mg/L		12.4	**0.77**	**1.1J**	**0.82J**	**0.84J**	**0.89**	**0.8**	**0.84**	**0.43**	**0.43**	**0.61**
	CALCIUM (Dissolved)	mg/L			**49J-CAB**	**60**	**31**	**31**	**60**	**47**	**46**	**51J-CAB**	**57**	**60J-CAB**
	CHLORIDE (Dissolved)	mg/L			**180J-CAB**	**190**	**180**	**180**	**200**	**180**	**160**	**170J-,J-CAB**	**170J-**	**150J-CAB**
	FLUORIDE (Dissolved)	mg/L	4	4	**0.77J-CAB**	**0.73**	**0.63**	**0.63**	**0.71**	**0.73**	**0.62**	**0.75J-CAB**	**0.73**	**0.67J-CAB**
	MAGNESIUM (Dissolved)	mg/L		207	**24J-CAB**	**24**	**20**	**20**	**23**	**20J+**	**17J+**	**24J-CAB**	**23**	**22J-CAB**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	**0.71J-CAB**	**1.2**	**0.31**	**0.34**	**0.96**	**1.1**	**1.1**	**1.0J-CAB**	**1**	**1.2J-CAB**
	NITRITE (AS N) (Dissolved)	mg/L		1	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	PERCHLORATE (Dissolved)	ug/L		18	**16**	**2500**	**0.23**	**0.23**	**0.95**	**0.6**	**0.53**	**0.42**	**0.46**	**1.3**
	PH (Dissolved)	ph Units			**8.18J**	**8.11J**	**8.43J**	**8.34J**	**7.90J**	**8.03J**	**7.96J**	**5.89J**	**7.90J**	**7.70J**
	POTASSIUM (Dissolved)	mg/L			**9.6J-CAB**	**9.2**	**7**	**7**	**9.1**	**8**	**6.8**	**8.4J-CAB**	**9.9**	**9.4J,J-CAB**
	SODIUM (Dissolved)	mg/L			**180J-CAB**	**140**	**150**	**150**	**170**	**150**	**140**	**170J-CAB**	**160**	**170J-CAB**
	SULFATE (Dissolved)	mg/L			**230J-CAB**	**240**	**200**	**210**	**250**	**210**	**180**	**220J-,J-CAB**	**220J-**	**230J-CAB**
	TOTAL ANIONS (Dissolved)	meq/L			**11**	**12**	**10**	**11**	**13**	**11**	**9.8**	**14**	**11**	**11**
	TOTAL CATIONS (Dissolved)	meq/L			**13**	**11**	**9.9**	**9.9**	**13**	**11**	**10**	**12**	**12**	**12**
	CATION/ANION BALANCE (Dissolved)	%			**6**	**-5**	**-2**	**-4**	**0**	**-1**	**2**	**-8**	**4**	**8**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**780**	**810**	**680**	**680**	**800**	**720**	**660**	**740**	**790**	**800**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0059**	<0.01	<0.01
	ARSENIC	ug/L	10	10	--	--	--	--	--	--	--	--	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**26**	**30**	**19**	**19**	**27**	**18**	**15**	**23**	**44**	**46**
	BARIUM	mg/l	2	2	--	--	--	--	--	--	--	--	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.03**	**0.049**	**0.033**	**0.033**	**0.038**	**0.044**	**0.044**	**0.027**	**0.029**	**0.028**
	CADMIUM	mg/l	0.005	0.005	--	--	--	--	--	--	--	--	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.00009**	<0.0001
	CHROMIUM	mg/l	0.1	0.1	--	--	--	--	--	--	--	--	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	**0.00021**	**0.0041**	**0.002**	**0.002**	**0.068**	**0.012**	**0.0055**	**0.015**	**0.012**	**0.012**
	IRON (Dissolved)	mg/l		0.3	<0.01	<0.01	<0.01	**0.0078**	**0.032**	<0.01	<0.01	<0.01	<0.01	**0.011J**
	LEAD	mg/l	0.015	0.015	--	--	--	--	--	--	--	--	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.000089**	<0.0001
	MANGANESE (Dissolved)	mg/l		0.02	**0.0074**	**0.0099**	**0.0016**	**0.0017**	**0.007**	**0.0016**	**0.0062**	<0.0005	**0.00031**	**0.0011**
	MERCURY	mg/L	0.002	0.002	--	--	--	--	--	--	--	--	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020UJ
	SELENIUM	mg/l	0.05	0.05	--	--	--	--	--	--	--	--	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	**0.0017**	**0.0019**	**0.0012**	**0.0015**	**0.0018**	**0.0021**	**0.0023**	**0.0028**	**0.0022**	**0.0022**
	SILVER	mg/l		0.1	--	--	--	--	--	--	--	--	--	--
	SILVER (Dissolved)	mg/l		0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**0.000066**	<0.0001	<0.0001	<0.0001
	URANIUM	mg/l	0.03	0.03	--	--	--	--	--	--	--	--	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.0014**	**0.0026**	**0.00082**	**0.00082**	**0.0021**	**0.0019**	**0.0015**	**0.0018**	**0.0024**	**0.0020**

See last page for definitions of abbreviations and footnotes

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

EXCEEDS MCL
EXCEEDS BCL
Detections **BOLDED**

Parameter Group	Parameter	Units	Primary Maximum Contaminant Level	NDEP Basic Comparison Levels for Residential Water[a]	DEEP	DEEP
		Aquifer			DEEP	DEEP
		Location			TR-11	TR-12
		Date			5/15/2013	5/15/2013
		Sample Purpose			REG	REG
		Sampling Event			SITEWIDE	SITEWIDE
		Samplers			CONVERSE	CONVERSE
GENERAL CHARACTERIZATION	ALKALINITY AS CACO3 (Dissolved)	mg/L			**80**	**76J-CAB**
	ALKALINITY, BICARBONATE (AS CACO3) (Dissolved)	mg/L			**80**	**76J-CAB**
	ALKALINITY, CARBONATE (AS CACO3) (Dissolved)	mg/L			<4.0	<4.0
	ALKALINITY, HYDROXIDE AS CACO3 (Dissolved)	mg/L			<4.0	<4.0
	AMMONIA (AS NH3) (Dissolved)	mg/L		0.209	<1.2	<1.2
	BROMIDE (Dissolved)	mg/L		12.4	**0.82**	**0.44**
	CALCIUM (Dissolved)	mg/L			**46**	**26J-CAB**
	CHLORIDE (Dissolved)	mg/L			**170J-**	**74J-,J-CAB**
	FLUORIDE (Dissolved)	mg/L	4	4	**0.75**	**0.69J-CAB**
	MAGNESIUM (Dissolved)	mg/L		207	**23**	**14J-CAB**
	NITRATE (AS N) (Dissolved)	mg/L	10	10	**1.0J-**	**2.2J-,J-CAB**
	NITRITE (AS N) (Dissolved)	mg/L		1	<0.15	<0.15
	ORTHOPHOSPHATE AS PO4 (Dissolved)	mg/L			<0.50	<0.50
	PERCHLORATE (Dissolved)	ug/L		18	**0.51**	**0.66**
	PH (Dissolved)	ph Units			**7.88J**	**7.90J**
	POTASSIUM (Dissolved)	mg/L			**8.5**	**6.5J-CAB**
	SODIUM (Dissolved)	mg/L			**160**	**130J-CAB**
	SULFATE (Dissolved)	mg/L			**220J-**	**190J-,J-CAB**
	TOTAL ANIONS (Dissolved)	meq/L			**11**	**7.6**
	TOTAL CATIONS (Dissolved)	meq/L			**11**	**8.3**
	CATION/ANION BALANCE (Dissolved)	%			**2**	**4**
	TOTAL DISSOLVED SOLIDS (Dissolved)	mg/L			**770**	**540**
TRACE METALS	ALUMINUM (Dissolved)	mg/l		0.05	<0.01	<0.01
	ARSENIC	ug/L	10	10	--	--
	ARSENIC (Dissolved)	ug/L	10	10	**41**	**33**
	BARIUM	mg/l	2	2	--	--
	BARIUM (Dissolved)	mg/l	2	2	**0.035**	**0.032**
	CADMIUM	mg/l	0.005	0.005	--	--
	CADMIUM (Dissolved)	mg/l	0.005	0.005	<0.0001	**0.000096**
	CHROMIUM	mg/l	0.1	0.1	--	--
	CHROMIUM (Dissolved)	mg/l	0.1	0.1	**0.013**	**0.028**
	IRON (Dissolved)	mg/l		0.3	<0.01	<0.01
	LEAD	mg/l	0.015	0.015	--	--
	LEAD (Dissolved)	mg/l	0.015	0.015	<0.0001	**0.00011**
	MANGANESE (Dissolved)	mg/l		0.02	**0.0016**	**0.0075**
	MERCURY	mg/L	0.002	0.002	--	--
	MERCURY (Dissolved)	mg/L	0.002	0.002	<0.00020	<0.00020
	SELENIUM	mg/l	0.05	0.05	--	--
	SELENIUM (Dissolved)	mg/l	0.05	0.05	**0.0025**	**0.0032**
	SILVER	mg/l		0.1	--	--
	SILVER (Dissolved)	mg/l		0.1	**0.000051**	**0.00041**
	URANIUM	mg/l	0.03	0.03	--	--
	URANIUM (Dissolved)	mg/l	0.03	0.03	**0.0028**	**0.0023**

TABLE 4
INORGANIC WATER QUALITY DATA
SECOND QUARTER 2013

FOOTNOTES:

a = NDEP Basic Comparison Levels, revision August 5, 2013

ABBREVIATIONS AND QUALIFIERS:

EW PERF = Annual extraction well monitoring round conducted as part of the Groundwater Treatment System monitoring program
SITEWIDE = Sitewide Monitoring Round
TRANSECT = Transect well monitoring round conducted as part of the Groundwater Treatment System monitoring program
REG = Regular Sample
FD = Duplicate Sample
J = The associated value is an estimated quantity.
J- = The associated numerical value is an estimated quantity with a negative bias.
J+ = The associated numerical value is an estimated quantity with a positive bias.
J-CAB = Inorganic analysis: the analytical result is estimated based on failure of cation-anion balance.
UJ = The sample was analyzed for, but was not detected. The associated quantitation or detection limit is an estimate.
-- = Not analyzed

TABLE 5
FIELD PARAMETER DATA
SECOND QUARTER 2013

LOCATION ID	WBZ	SAMPLE DATE	SAMPLING PROGRAM	NORTHING	EASTING	pH	D.O. (mg/l)	ORP (mV)
AA-BW-03A	Shallow	05/02/13	SITEWIDE	26720585.58	825971.0179	7.20	2.21	53
AA-BW-04A	Shallow	04/19/13	BRC	26721142.32	825491.8016	6.97	3.09	-195
AA-BW-05A	Shallow	04/18/13	BRC	26721177.56	825065.4401	7.23	4.22	-215
AA-BW-06A	Shallow	04/18/13	BRC	26721238.26	824476.16	7.48	4.44	-167
AA-BW-08A	Shallow	04/18/13	BRC	26719489.73	825329.7138	7.15	3.63	-237
AA-BW-12A	Shallow	04/18/13	BRC	26718772.36	824440.207	6.99	3.56	-226
AA-MW-05	Shallow	04/25/13	SITEWIDE	26715530.78	824351.37	7.39	5.61	27
AA-MW-07	Shallow	04/22/13	BRC	26719344.4	826126.54	6.75	4.01	-102
AA-MW-13R	Shallow	05/06/13	SITEWIDE	26717045.47	825265.78	10.77	3.61	-143
AA-MW-14	Shallow	05/09/13	SITEWIDE	26717082.46	825660.68	5.94	1.63	66
AA-MW-20	Shallow	05/08/13	SITEWIDE	26716567.82	824824.72	6.56	4.70	97
AA-MW-24	Shallow	04/26/13	SITEWIDE	26715179.28	825495.58	6.86	4.47	93
AA-MW-25	Shallow	05/07/13	SITEWIDE	26717917.91	825508.327	6.66	5.80	-73
AGX-90	Middle	05/08/13	SITEWIDE	26719984.41	822797.723	7.45	6.45	69
B-01	Shallow	05/06/13	SITEWIDE	26717341.36	825676.63	6.18	2.87	87
B-16	Shallow	04/23/13	SITEWIDE	26718137.87	823953.15	6.71	0.20	-156
CP-01	Middle	04/23/13	SITEWIDE	26716403.47	825287.67	6.22	2.93	157
DMC-MW-26	Deep	05/14/13	SITEWIDE	26717360.62	825692.034	7.66	3.78	-205
DMC-MW-27R	Deep	05/17/13	SITEWIDE	26716407.16	825211.51	7.38	11.62	75
DMC-MW-28	Deep	05/17/13	SITEWIDE	26719450.04	825775.483	8.43	5.53	-68
DPT-01	Middle	05/06/13	SITEWIDE	26717349.85	825680.22	8.02	3.27	6
EC-03	Shallow	05/07/13	SITEWIDE	26717247.43	824697.84	6.42	2.45	69
EC-04	Shallow	04/26/13	SITEWIDE	26717035.31	824135.84	6.50	3.29	242
EC-07	Shallow	05/13/13	SITEWIDE	26717808.89	824698.682	5.71	4.29	-151
EC-10	Shallow	05/01/13	SITEWIDE	26717752.81	823570.098	5.59	5.96	180
EC-12	Middle	04/23/13	SITEWIDE	26717268.65	824795.321	7.01	3.06	159
EC-13	Middle	05/08/13	SITEWIDE	26717593.8	824661.582	6.28	2.67	-78
EC-14	Middle	04/24/13	SITEWIDE	26718049.25	824258.278	6.53	1.95	139
H-11	Shallow	04/25/13	SITEWIDE	26714839.94	826574.18	5.74	2.76	-79
H-28	Shallow	04/22/13	BRC	26721021.82	825871.32	6.80	4.56	-52
H-43	Shallow	04/19/13	BRC	26721179.6	824660.68	7.36	3.61	-229
H-49A	Shallow	05/02/13	SITEWIDE	26723485.4	826110.29	7.14	3.90	75
H-55	Shallow	04/26/13	SITEWIDE	26720010.2	823645.49	7.37	2.58	-265
M-007B	Shallow	05/01/13	SITEWIDE	26720979.66	826106.497	7.07	0.19	76.3
M-057A	Shallow	04/25/13	SITEWIDE	26719782.7	826992.8	6.32	3.06	206
M-092	Shallow	05/01/13	SITEWIDE	26717531.9	827138.1	7.52	4.77	116
M-125	Shallow	04/24/13	SITEWIDE	26718993.9	826531.8234	7.12	0.71	82
M-136	Middle	04/25/13	SITEWIDE	26719889.77	827165.342	7.42	2.17	131
M-142	Shallow	04/24/13	SITEWIDE	26718713.09	827191.753	7.48	8.06	174
M-149	Middle	04/24/13	SITEWIDE	26718285.82	828373.093	7.39	2.85	127
M-150	Middle	04/25/13	SITEWIDE	26719569.84	828058.955	7.74	4.58	26
MC-09R	Shallow	04/30/13	SITEWIDE	26721902.48	825450.321	7.03	3.74	80
MC-111	Shallow	05/01/13	SITEWIDE	26721355.46	825942.13	6.89	0.19	22
MC-113	Shallow	04/18/13	TRANSECT	26722279.41	825538.878	7.11	2.16	41
MC-114	Shallow	04/18/13	TRANSECT	26722158.53	825835.009	7.38	2.08	107
MC-47	Shallow	04/16/13	TRANSECT	26722506.05	824640.341	7.45	2.56	269
MC-48	Shallow	04/16/13	TRANSECT	26722431.11	824952.84	7.31	1.74	79
MC-49	Shallow	04/16/13	TRANSECT	26722360.49	825182.72	7.58	1.64	-96

TABLE 5
FIELD PARAMETER DATA
SECOND QUARTER 2013

LOCATION ID	WBZ	SAMPLE DATE	SAMPLING PROGRAM	NORTHING	EASTING	pH	D.O. (mg/l)	ORP (mV)
MC-50	Shallow	04/16/13	TRANSECT	26722076.15	825534.87	7.59	1.49	-111
MC-53	Shallow	04/18/13	TRANSECT	26721920.01	825942.24	7.40	1.97	94
MCF-BW-08	Middle	05/13/13	SITEWIDE	26719495.15	825299.593	7.45	2.99	-95
MCF-BW-10A	Middle	05/13/13	SITEWIDE	26718620.39	823621.718	6.93	8.63	90
MC-MW-09	Middle	05/09/13	SITEWIDE	26716752.37	825794.59	7.27	3.19	-34
MC-MW-10	Middle	05/10/13	SITEWIDE	26717919.06	825523.88	6.16	4.24	-43
MC-MW-11	Middle	05/07/13	SITEWIDE	26717766	824860.15	7.43	2.71	-90
MC-MW-12	Middle	05/13/13	SITEWIDE	26717903.04	826293.89	7.82	3.30	-166
MC-MW-15	Middle	05/10/13	SITEWIDE	26718415.14	825513.65	5.73	3.39	-52
MC-MW-17	Middle	05/06/13	SITEWIDE	26717707.84	826576.824	6.57	4.23	-103
MC-MW-18	Middle	05/09/13	SITEWIDE	26718439.15	826495.85	6.18	3.34	-56
MC-MW-29	Middle	05/06/13	SITEWIDE	26721910.09	825436.285	5.62	4.66	-63
MC-MW-30	Middle	05/03/13	SITEWIDE	26721948.8	825000.217	5.22	3.50	-43
MC-MW-31	Middle	05/09/13	SITEWIDE	26722161.64	824775.798	5.06	6.88	-22
MC-MW-32	Middle	05/09/13	SITEWIDE	26721325.15	826314.47	7.19	0.64	-177
MC-MW-33	Middle	05/08/13	SITEWIDE	26721551.65	825490.04	7.52	2.68	-227
MC-MW-34	Middle	04/30/13	SITEWIDE	26721978.79	824867.16	7.41	0.28	-245
MC-MW-35	Middle	04/30/13	SITEWIDE	26722328.38	824348.15	7.93	1.60	-241
MC-MW-36	Middle	04/30/13	SITEWIDE	26722678.55	825497.46	6.28	2.71	-60
MC-MW-37	Middle	04/30/13	SITEWIDE	26722407.66	826148.51	6.90	2.98	-25
MC-MW-38	Middle	05/06/13	SITEWIDE	26722040.65	826484.48	7.26	4.29	-190
MC-MW-39	Middle	04/30/13	SITEWIDE	26718516.45	826973.766	8.79	1.85	-208
MC-MW-41	Middle	05/03/13	SITEWIDE	26719059.2	826067.641	6.74	4.46	-209
MC-MW-42	Middle	05/02/13	SITEWIDE	26719290.51	826654.906	5.98	2.25	-112
MW-01	Shallow	04/29/13	CLOSED PONDS	26715187.41	825536.01	7.24	7.30	120
MW-02	Shallow	04/29/13	CLOSED PONDS	26716364.2	825639.84	7.01	2.94	38
MW-03	Shallow	04/29/13	CLOSED PONDS	26716390.46	825354.12	6.66	2.65	-156
MW-04	Shallow	04/29/13	CLOSED PONDS	26716415.06	825073.9	6.81	4.17	74
MW-08	Deep	05/14/13	SITEWIDE	26717925.04	825564.56	7.45	7.34	31
MW-AHX	Shallow	04/25/13	SITEWIDE	26721020.3	823443	7.74	4.58	26
MW-A-J	Shallow	05/03/13	SITEWIDE	26726031.22	826455.22	6.19	3.60	98
MW-R	Shallow	04/23/13	SITEWIDE	26725018.3	825423.72	7.17	3.11	142
PC-028	Shallow	04/22/13	SITEWIDE	26725375.9	828530.32	7.07	3.53	131
PC-031	Shallow	04/22/13	SITEWIDE	26725195.94	826781.35	7.48	3.79	73
PC-040	Shallow	05/02/13	SITEWIDE	26723971	826477	7.10	3.77	37
PC-064	Shallow	04/23/13	SITEWIDE	26723702.69	827916.07	7.49	3.22	137
PC-067	Shallow	04/23/13	SITEWIDE	26723846.94	829207.39	5.85	4.05	220
PC-132	Shallow	05/02/13	SITEWIDE	26726723.1	827913.944	7.21	3.50	93
PW-01	Shallow	05/07/13	SITEWIDE	26716402.77	825302.29	8.73	4.46	60
TR-01	Deep	05/16/13	SITEWIDE	26719958	826168	7.48	9.65	109
TR-03	Deep	05/16/13	SITEWIDE	26718942	826343	7.06	9.21	77
TR-05	Deep	05/10/13	SITEWIDE	26717592	826596	7.31	9.29	39
TR-07	Deep	07/17/13	SITEWIDE	26716525	826725	8.17	7.16	110
TR-09	Deep	05/02/13	SITEWIDE	26715753	827560	7.54	6.79	82
TR-11	Deep	05/15/13	SITEWIDE	26721918	825423	7.62	11.26	104
TR-12	Deep	05/15/13	SITEWIDE	26723271.92	825286.23	7.15	7.40	36
WELL-C	Shallow	04/19/13	EXTRACTION WELL	26722157.41	824604.78	7.87	--	--

TABLE 5
FIELD PARAMETER DATA
SECOND QUARTER 2013

LOCATION ID	WBZ	SAMPLE DATE	SAMPLING PROGRAM	NORTHING	EASTING	pH	D.O. (mg/l)	ORP (mV)
WELL-D2	Shallow	04/19/13	EXTRACTION WELL	26721801.9	825124.062	8.06	--	--
WELL-E3	Shallow	04/19/13	EXTRACTION WELL	26721705.66	825263.64	7.28	--	--
WELL-F	Shallow	04/19/13	EXTRACTION WELL	26721607.4	825407.5	7.90	--	--
WELL-G	Shallow	04/19/13	EXTRACTION WELL	26721526.56	825525.13	7.88	--	--
WELL-H2	Shallow	04/19/13	EXTRACTION WELL	26721467.01	825614.58	7.72	--	--
WELL-I	Shallow	04/19/13	EXTRACTION WELL	26721329.16	825814.25	7.38	--	--
WELL-J	Shallow	04/19/13	EXTRACTION WELL	26721983.74	824858.85	7.46	--	--
WELL-K2	Shallow	04/19/13	EXTRACTION WELL	26721397.81	825712.42	7.28	--	--
WELL-L	Shallow	04/19/13	EXTRACTION WELL	26721664.3	825323.72	7.36	--	--
WELL-M2	Shallow	04/19/13	EXTRACTION WELL	26721358.75	825769.742	7.30	--	--
WELL-N	Shallow	04/19/13	EXTRACTION WELL	26721893.86	824991.644	8.02	--	--
WELL-O	Shallow	04/19/13	EXTRACTION WELL	26721566.82	825467.246	7.50	--	--
WELL-P	Shallow	04/19/13	EXTRACTION WELL	26722082.08	824714.381	7.81	--	--
WELL-Q	Shallow	04/19/13	EXTRACTION WELL	26722047.17	824764.38	8.08	--	--
WELL-R	Shallow	04/19/13	EXTRACTION WELL	26722013.11	824809.93	7.48	--	--

-- =not measured

HARGIS + ASSOCIATES, INC.

TABLE 6
SHALLOW ZONE WATER QUALITY DATA
2013 COMPOUND PREVALENCE*

Analyte Group	Parameter	Units	EPA Maximum Contaminant Limit	NDEP Basic Comparison Level	Minimum Detection	Mean Detection	Median Detection	Maximum Detection	Standard Deviation of Detections	Minimum Non Detected Value (SQL)	Maximum Non Detected Value (SQL)	Number of Detects greater than MCL	Number of Detects greater than BCL	Total Number of Analyses	Number of Detects	Number of Non-Detects
GENERAL CHARACTERIZATION	AMMONIA (AS NH3)	mg/L		0.209	0.24	0.433	0.35	2.0	0.344	0.24	0.24	0	27	33	27	6
	BROMIDE	mg/L		12.4	1.2	6.09	2.6	44	12	1.8	35	0	1	33	12	21
	FLUORIDE	mg/L	4	4	0.67	10.6	3.5	55	19.8	0.70	35	2	2	33	7	26
	MAGNESIUM	mg/L		207	16	288	200	980	237	0.60	0.6	0	16	33	32	1
	NITRATE (AS N)	mg/L	10	10	1.1	9.25	5.4	35	10.7	0.080	8.0	5	5	33	19	14
	PERCHLORATE	ug/L		18	1.4	30500	375	310000	75200	0.082	0.082	0	25	33	30	3
	TOTAL DISSOLVED SOLIDS	mg/L			1300	11800	7900	110000	16000			0	0	49	49	0
TRACE METALS	ALUMINUM	mg/l		0.05	0.0062	2.36	0.03	14	5.7	0.0050	0.025	0	2	33	6	27
	ARSENIC	ug/L	10	10	0.14	161	110	2000	282	0.050	0.050	46	46	49	48	1
	BARIUM	mg/l	2	2	0.010	0.115	0.037	3.8	0.538	n/a	n/a	1	1	49	49	0
	CHROMIUM	mg/l	0.1	0.1	0.00021	0.0834	0.00175	1.1	0.263	0.00020	0.0010	3	3	49	32	17
	IRON	mg/l		0.3	0.0075	11.6	0.039	160	42.7	0.0070	0.035	0	3	33	14	19
	LEAD	mg/l	0.015	0.015	0.000058	0.00231	0.000105	0.043	0.00958	0.000050	0.00025	1	1	49	20	29
	MANGANESE	mg/l		0.02	0.00047	1.81	0.05	35	6.11	n/a	n/a	0	23	33	33	0
	URANIUM	mg/l	0.03	0.03	0.000053	0.035	0.018	0.30	0.0544	n/a	n/a	17	17	49	49	0
ORGANIC ACIDS	BENZENESULFONIC ACID	ug/L		18250	19000	19000	19000	19000	n/a	n/a	n/a	0	1	1	1	0
	DIETHYL PHOSPHORODITHIOIC ACID	ug/L		2920	26000	26000	26000	26000	n/a	n/a	n/a	0	1	1	1	0
	DIMETHYL PHOSPHORODITHIOIC ACID	ug/L		3650	6300	6300	6300	6300	n/a	n/a	n/a	0	1	1	1	0
PESTICIDES	4,4'-DDE	ug/L		0.198	0.0039	0.652	0.65195	1.3	0.916	0.0028	0.029	0	1	60	2	58
	4,4'-DDT	ug/L		0.198	0.78	1.04	1.04	1.3	0.368	0.0038	0.038	0	2	60	2	58
	ALPHA-BHC	ug/L		10.95	0.0032	15	0.85	370	55.8	0.0024	0.024	0	8	60	51	9
	BETA-BHC	ug/L		2.19	0.0047	10.1	5	70	14.3	0.0038	0.038	0	27	60	43	17
	DELTA-BHC	ug/L		11	0.0034	2.38	1.4	27	4.25	0.0033	0.034	0	1	60	44	16
	DIELDRIN	ug/L		0.00420	0.014	0.117	0.066	0.27	0.135	0.0019	0.019	0	3	60	3	57
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	0.0033	5.23	0.035	150	25.5	0.0028	0.029	10	10	60	35	25
	TOXAPHENE	ug/L	3	3	10	10	10	10	n/a	0.24	2.4	1	1	60	1	59
VOLATILE ORGANIC COMPOUNDS	1,1-DICHLOROETHANE	ug/L		2.42	0.96	17.8	4.1	140	38.7	0.40	200	0	15	60	22	38
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	1.2	75.1	54.5	340	80.8	0.48	240	15	15	60	32	28
	1,2-DICHLOROBENZENE	ug/L	600	600	0.32	2320	90	28000	6380	0.32	160	10	10	60	37	23
	1,2-DICHLOROETHANE	ug/L	5	5	0.32	4.1	1.9	16	5.13	0.28	140	3	3	60	16	44
	1,3-DICHLOROBENZENE	ug/L		86.7	1.0	169	8.5	1400	390	0.35	180	0	6	60	26	34
	1,4-DICHLOROBENZENE	ug/L	75	75	0.54	2600	91.5	31000	6800	0.37	190	19	19	60	38	22
	BENZENE	ug/L	5	5	0.44	30500	1100	390000	90200	0.28	1.1	24	24	60	35	25
	CARBON TETRACHLORIDE	ug/L	5	5	0.54	147	6.35	940	276	0.28	110	7	7	60	12	48
	CHLOROBENZENE	ug/L	100	100	0.5	16600	2300	170000	32500	0.36	1.4	29	29	60	38	22
	CHLOROFORM	ug/L	80	0.193	0.38	5890	9.1	120000	19300	0.33	66	17	47	60	47	13
	METHYLENE CHLORIDE	ug/L	5	5	1.1	192	26.1	730	297	0.95	480	6	6	60	10	50
	NAPHTHALENE	ug/L		0.143	0.61	0.665	0.665	0.72	0.0778	0.41	210	0	2	60	2	58
	TETRACHLOROETHENE	ug/L	5	5	0.62	33	1.55	220	69.4	0.32	130	4	4	60	12	48
	TRICHLOROETHENE	ug/L	5	5	0.26	22	2.9	120	30.9	0.26	130	11	11	60	25	35

* =Prevalence table does not include statistics from Tronox or BRC monitored wells

n/a = not applicable

SQL value exceeds MCL and/or BCL

HARGIS + ASSOCIATES, INC.

TABLE 7
MIDDLE ZONE WATER QUALITY DATA
2013 COMPOUND PREVALENCE*

Analyte Group	Parameter	Units	EPA Maximum Contaminant Limit	NDEP Basic Comparison Level	Minimum Detection	Mean Detection	Median Detection	Maximum Detection	Standard Deviation of Detections	Minimum Non Detected Value (SQL)	Maximum Non Detected Value (SQL)	Number of Detects greater than MCL	Number of Detects greater than BCL	Total Number of Analyses	Number of Detects	Number of Non-Detects
GENERAL CHARACTERIZATION	AMMONIA (AS NH3)	mg/L		0.209	0.24	0.498	0.32	2.4	0.483	0.24	0.24	0	20	31	20	11
	MAGNESIUM	mg/L		207	14	199	40	1200	281	n/a	n/a	0	11	31	31	0
	PERCHLORATE	ug/L		18	0.082	19500	1.1	350000	69700	0.082	0.082	0	8	31	28	3
	TOTAL DISSOLVED SOLIDS	mg/L			530	5540	890	37000	9570	n/a	n/a	0	0	31	31	0
TRACE METALS	ALUMINUM	mg/l		0.05	0.0051	0.0161	0.0105	0.075	0.019	0.005	0.025	0	1	31	12	19
	ARSENIC	ug/L	10	10	4.8	30.5	27	140	25	n/a	n/a	26	26	31	31	0
	CHROMIUM	mg/l	0.1	0.1	0.00031	0.14	0.0043	2.9	0.602	0.0002	0.0010	2	2	31	23	8
	IRON	mg/l		0.3	0.0076	10.5	0.28	80	22.3	0.007	0.014	0	8	31	17	14
	MANGANESE	mg/l		0.02	0.0005	0.399	0.038	2.8	0.774	n/a	n/a	0	20	31	31	0
	URANIUM	mg/l	0.03	0.03	0.00029	0.0151	0.0041	0.12	0.0278	0.00005	0.00005	5	5	31	30	1
PESTICIDES	4,4'-DDE	ug/L		0.198	0.0048	2.45	0.15	9.5	4.7	0.0028	0.030	0	2	31	4	27
	4,4'-DDT	ug/L		0.198	0.012	1.1	0.0275	6.5	2.64	0.0037	0.040	0	1	31	6	25
	ALPHA-BHC	ug/L		10.95	0.0037	41.5	0.505	870	185	0.0024	0.0026	0	2	31	22	9
	BETA-BHC	ug/L		2.19	0.0051	15.6	0.34	160	48	0.0037	0.0044	0	2	31	11	20
	DELTA-BHC	ug/L		11	0.0083	7.75	0.27	64	21.1	0.0033	0.017	0	1	31	9	22
	GAMMA-BHC (LINDANE)	ug/L	0.2	0.2	0.0033	17.2	0.032	280	67.8	0.0028	0.0033	7	7	31	17	14
VOLATILE ORGANIC COMPOUNDS	1,1,2-TRICHLOROETHANE	ug/L	5	5	64	64	64	64	n/a	0.3	60	1	1	31	1	30
	1,1-DICHLOROETHANE	ug/L		2.42	1.5	85.7	20	610	178	0.4	80	0	9	31	11	20
	1,2,4-TRICHLOROBENZENE	ug/L	70	70	6.3	310	14	910	520	0.48	96	1	1	31	3	28
	1,2-DICHLOROBENZENE	ug/L	600	600	0.41	932	81	6300	1770	0.32	64	6	6	31	21	10
	1,2-DICHLOROETHANE	ug/L	5	5	0.97	49.4	12	370	111	0.28	56	6	6	31	11	20
	1,3-DICHLOROBENZENE	ug/L		86.7	1.3	99.8	61	300	112	0.35	70	0	4	31	8	23
	1,4-DICHLOROBENZENE	ug/L	75	75	0.41	1450	63	12000	3150	0.37	0.37	12	12	31	24	7
	BENZENE	ug/L	5	5	0.76	10800	71	86000	21400	0.28	0.28	19	19	31	25	6
	BROMODICHLOROMETHANE	ug/L	80	0.117	0.36	0.36	0.36	0.36	n/a	0.30	60	0	1	31	1	30
	CARBON TETRACHLORIDE	ug/L	5	5	0.5	646	510	1500	640	0.28	56	6	6	31	7	24
	CHLOROBENZENE	ug/L	100	100	0.58	32700	270	240000	60800	0.36	0.36	14	14	31	27	4
	CHLOROFORM	ug/L	80	0.193	0.93	12300	96	120000	29400	0.33	66	11	21	31	21	10
	HEXACHLOROBUTADIENE	ug/L		0.862	110	110	110	110	n/a	0.38	76	0	1	31	1	30
	METHYLENE CHLORIDE	ug/L	5	5	1	856	26.95	4600	1580	0.95	190	7	7	31	12	19
	NAPHTHALENE	ug/L		0.143	0.44	0.44	0.44	0.44	n/a	0.41	82	0	1	31	1	30
	TETRACHLOROETHENE	ug/L	5	5	0.35	34.4	23	80	41	0.32	64	2	2	31	3	28
	TRICHLOROETHENE	ug/L	5	5	6.9	17.95000005	17.95	29	15.6	0.26	52	2	2	31	2	29

* Prevalence table does not include statistics from NERT monitored wells

n/a =not applicable

SQL value exceeds MCL and/or BCL

HARGIS + ASSOCIATES, INC.

TABLE 8
DEEP ZONE WATER QUALITY DATA
2013 COMPOUND PREVALENCE*

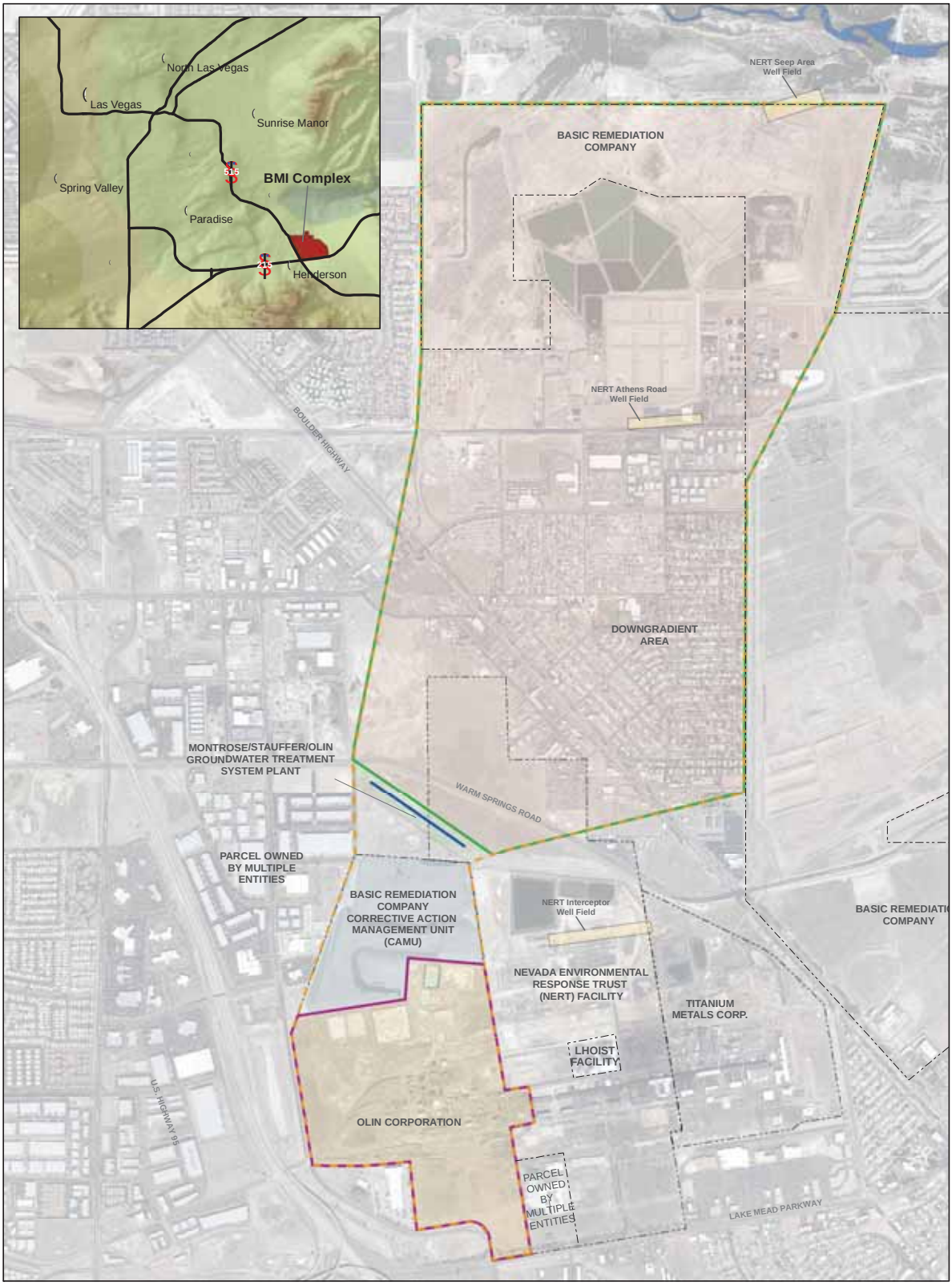
Analyte Group	Parameter	Units	EPA Maximum Contaminant Limit	NDEP Basic Comparison Level	Minimum Detection	Mean Detection	Median Detection	Maximum Detection	Standard Deviation of Detections	Minimum Non Detected Value (SQL)	Maximum Non Detected Value (SQL)	Number of Detects greater than MCL	Number of Detects greater than BCL	Total Number of Analyses	Number of Detects	Number of Non-Detects
GENERAL CHARACTERIZATION	AMMONIA (AS NH3)	mg/L		0.209	0.26	0.597	0.415	1.3	0.487	0.24	0.24	0	4	11	4	7
	PERCHLORATE	ug/L		18	0.23	229	770	2500	753	n/a	n/a	0	1	11	11	0
	TOTAL DISSOLVED SOLIDS	mg/L			540	735	0.6	810	82	n/a	n/a	0	0	11	11	0
TRACE METALS	ARSENIC	ug/L	10	10	15	29.3	27	46	10.7	n/a	n/a	11	11	11	11	0
VOLATILE ORGANIC COMPOUNDS	BROMODICHLOROMETHANE	ug/L	80	0.117	0.32	0.42	0.42	0.52	0.141	0.30	0.30	0	2	11	2	9
	CHLOROFORM	ug/L	80	0.193	0.35	0.642	0.68	0.8	0.178	0.33	0.33	0	5	11	5	6

* =Prevalence table does not include statistics from NERT monitored wells

n/a =not applicable

SQL value exceeds MCL and/or BCL

FIGURES



EXPLANATION

- OSSM GWTS Extraction Well Line
- Study Area Boundary
- Olin Site Boundary
- Downgradient Area
- Property Boundaries
- Las Vegas Wash

0 800 1,600 Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

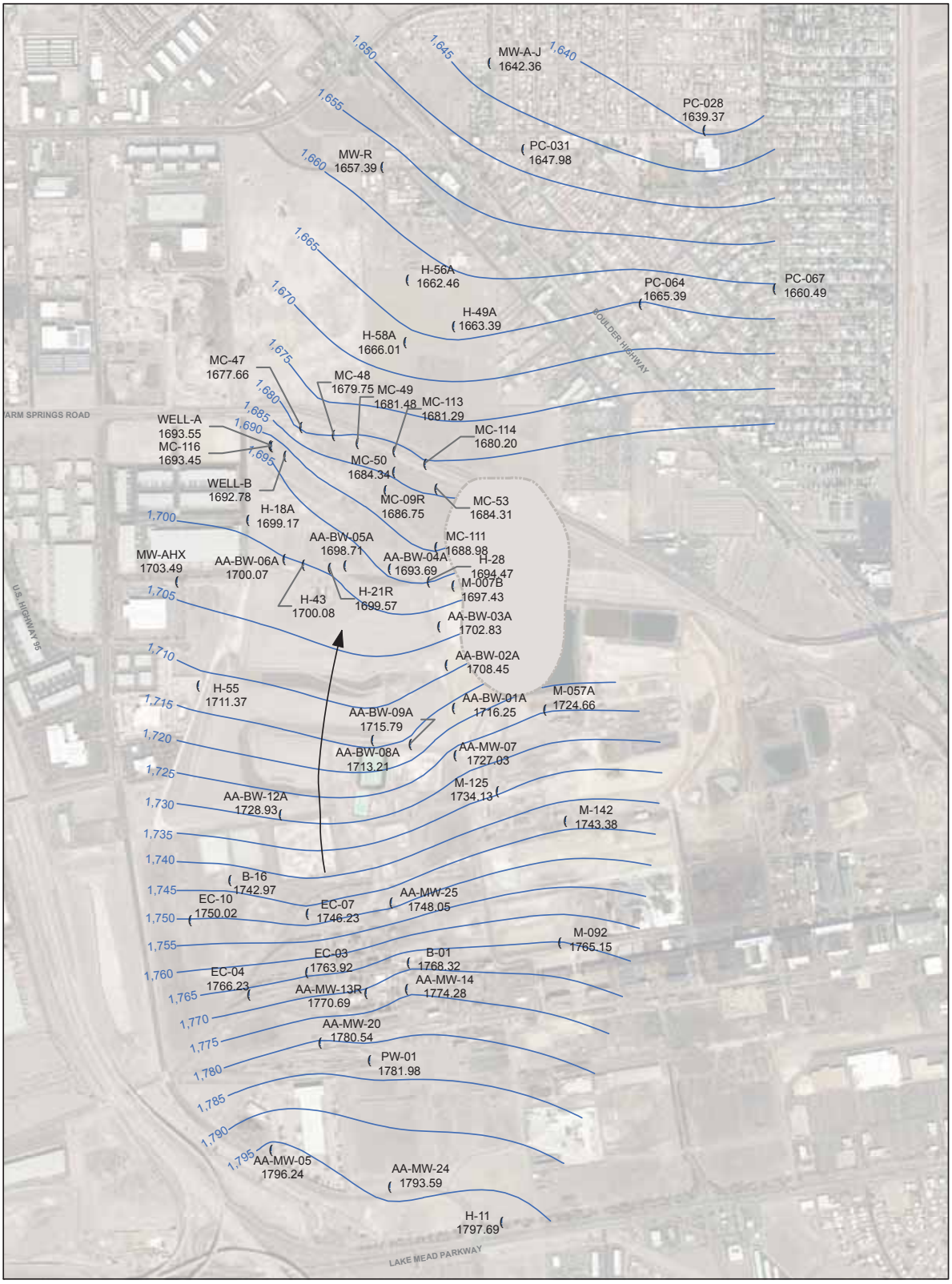
STUDY AREA

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY · ENGINEERING

7/29/2013

FIGURE 1

PREP BY DAT REV BY BRW RPT NO 754.91



EXPLANATION

AA-MW-05 1796.24	Monitor Well Identifier Groundwater Elevation - Second Quarter 2013
1,745	Approximate contour line of equal Water level elevation in feet Above mean sea level
←	Groundwater Flow Direction
	Area of uncertain shallow zone saturation

0 500 1,000 Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

SHALLOW ZONE GROUNDWATER GRADIENT AND FLOW DIRECTION

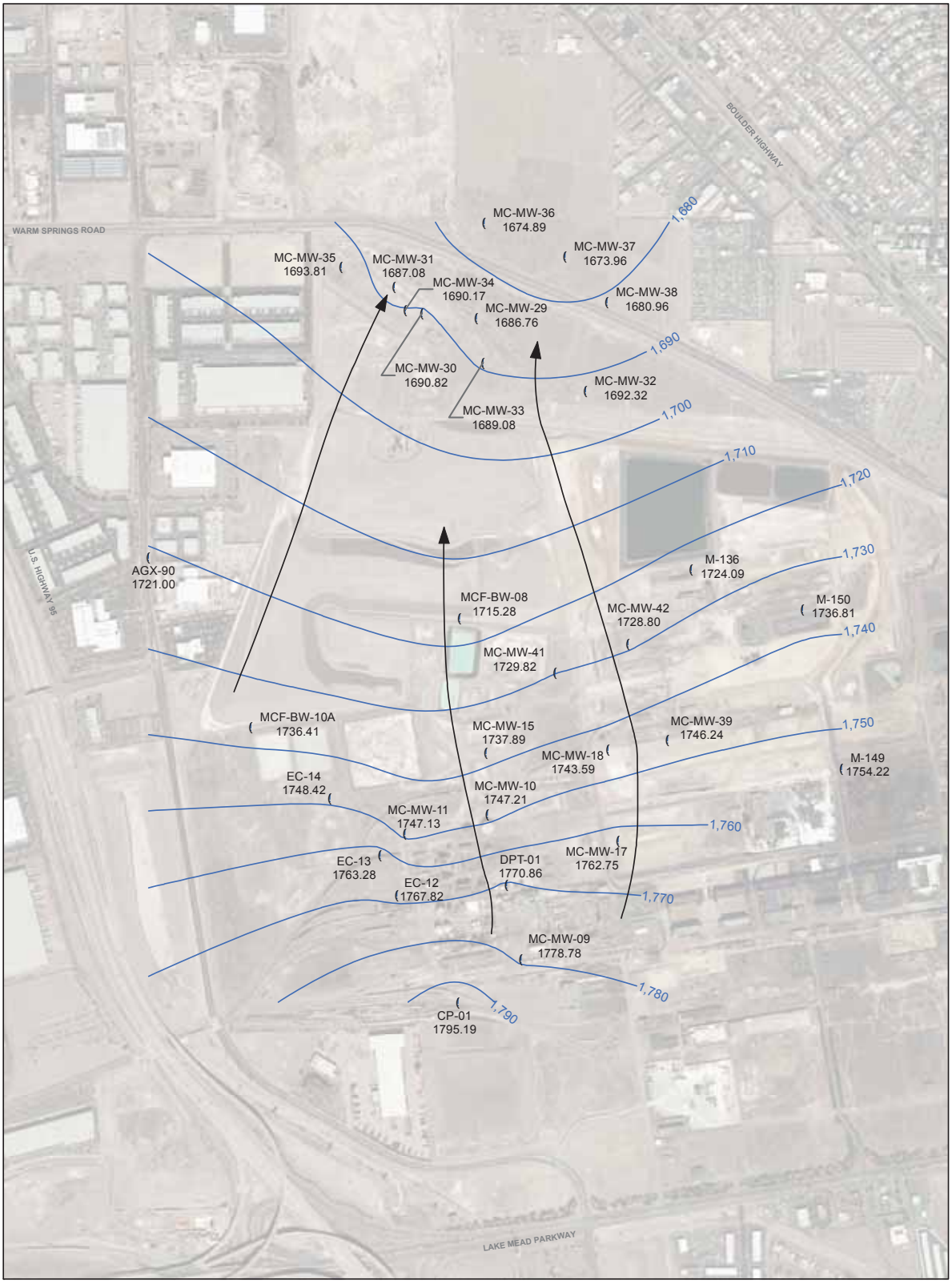
HARGIS + ASSOCIATES, INC.

DATE: 8/20/2013

FIGURE 2

PREP BY RGW REV BY BRW RPT NO 754.91

Name: SZ WLs_2013



EXPLANATION

CP-01 1795.19 — Monitor Well Identifier
Groundwater Elevation - Second Quarter 2013

1,790 — Approximate contour line of equal Water level elevation in feet Above mean sea level

Groundwater Flow Direction

0 400 800 Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

MIDDLE ZONE GROUNDWATER GRADIENT AND FLOW DIRECTION

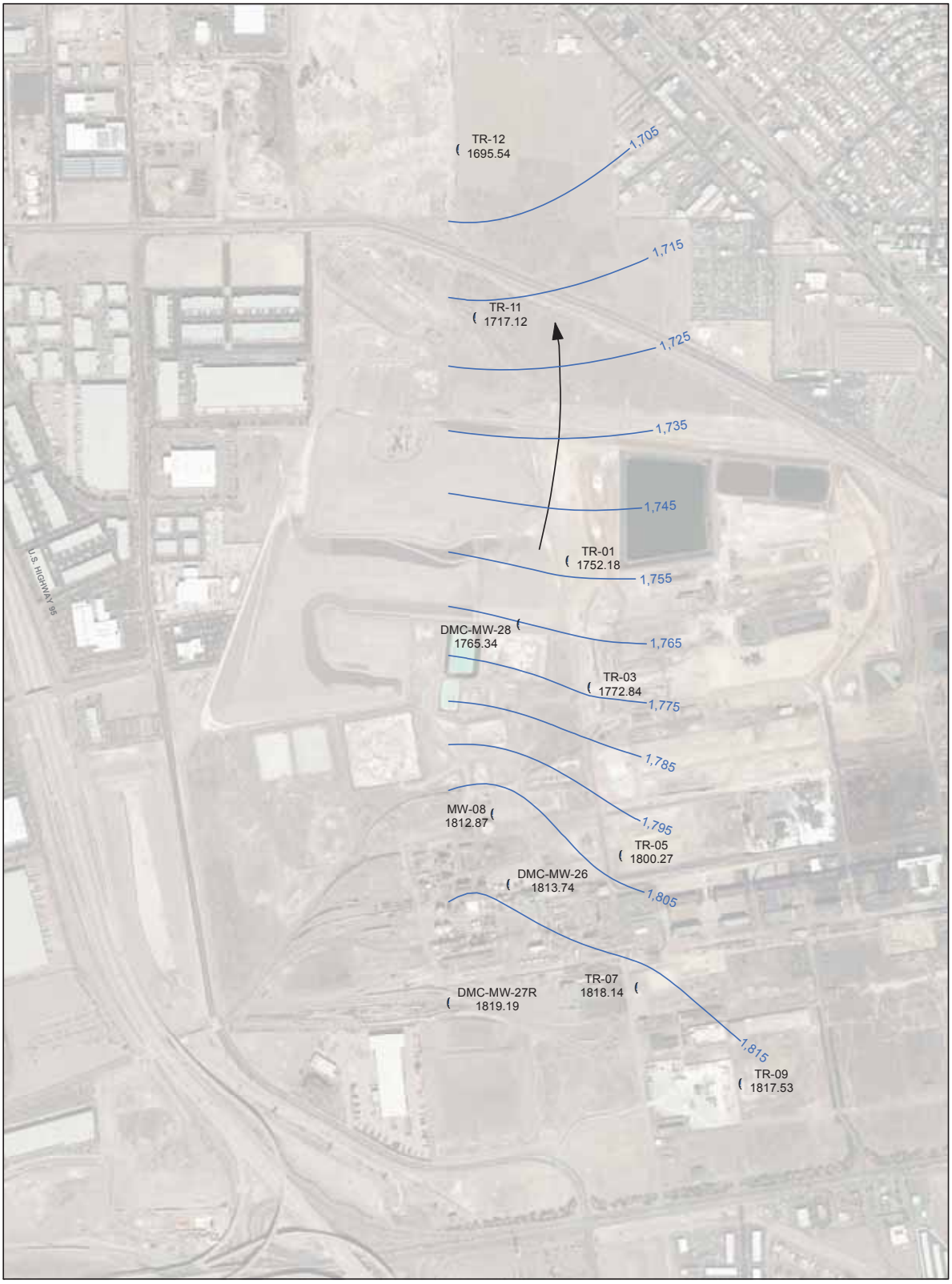
HARGIS + ASSOCIATES, INC.

DATE: 7/30/2013

FIGURE 3

PREP BY RGW REV BY BRW RPT NO 754.91

Name: MZ WLs_2013



EXPLANATION

TR-07 1818.14 — Monitor Well Identifier
Groundwater Elevation - Second Quarter 2013

1,805 — Approximate contour line of equal
Water level elevation in feet
Above mean sea level

Groundwater Flow Direction

0 400 800 Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

DEEP ZONE
GROUNDWATER GRADIENT
AND FLOW DIRECTION

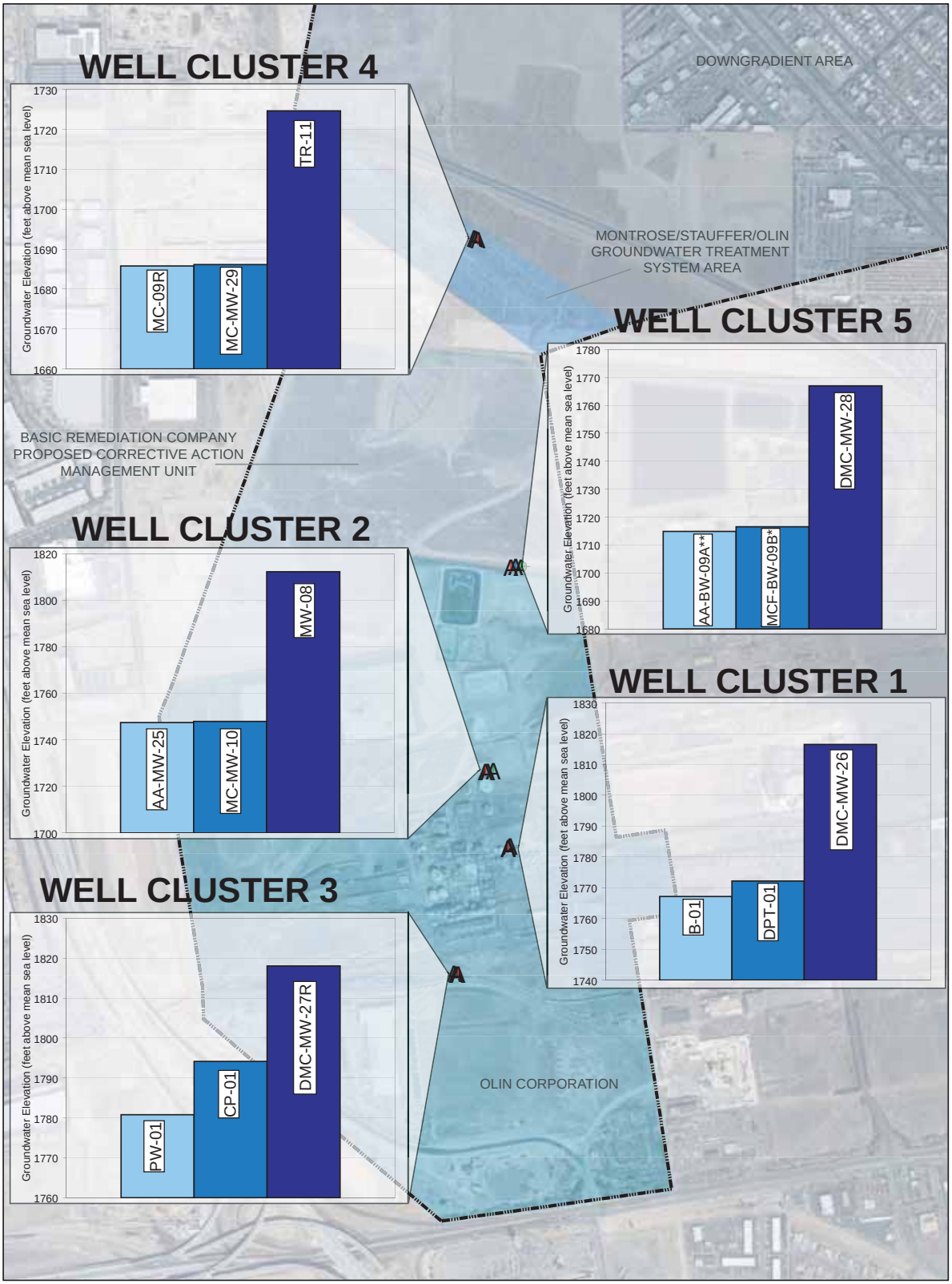
HARGIS + ASSOCIATES, INC.

DATE: 7/30/2013

FIGURE 4

PREP BY RGW REV BY BRW RPT NO 754.91

Name: DZ WLs_2013



EXPLANATION

- Shallow Zone
- Middle Zone
- Deep Zone
- Study Area

*MCF-BW-09B was destroyed, water level represented is from 2009
**TDS was not analyzed for in 2013, TDS results used is from 2011

0 750 1,500
Feet

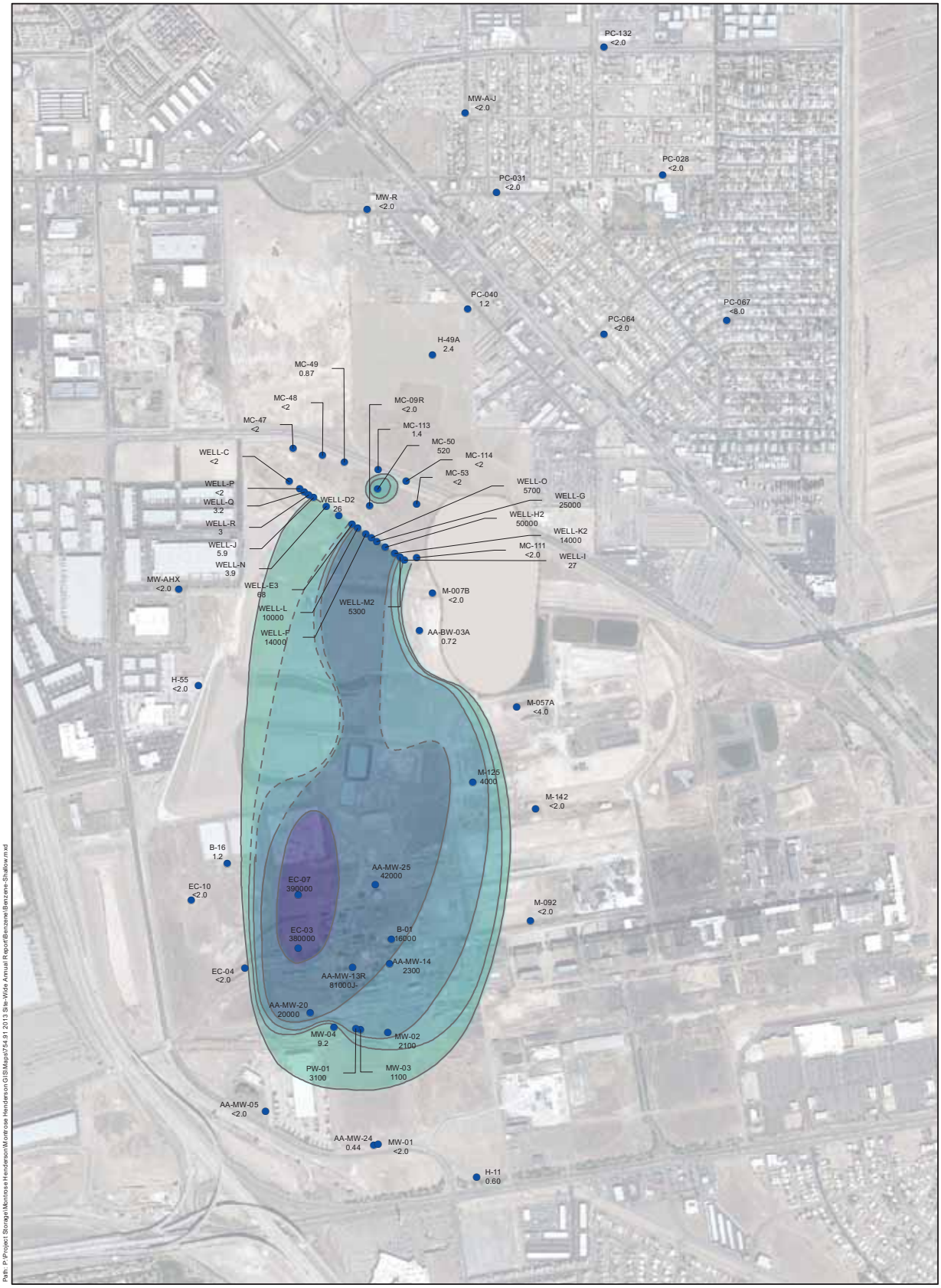
2013 COMPREHENSIVE DATA EVALUATION
FORMER MONTROSE AND STAUFFER FACILITIES
HENDERSON, NEVADA

WELL CLUSTER LOCATIONS AND HEAD DIFFERENCES APRIL 2013

HARDING ASSOCIATES, INC.

FIGURE 5

PREP BY: DAT
REV BY: BRW
07/23/13
FILE: Figure 5 cluster locations.ai
PROJECT: 754.91



2011 AERIAL PHOTO

Path: P:\Project Storage\Montrose Henderson\Montrose Henderson GIS\Maps\754.91 2013 Site-Wide Annual Report\Benzene\Benzene-Shallow.mxd

EXPLANATION

BENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

- 5 (BCL, MCL) - 99
- 100 - 999
- 1,000 - 9,999
- 10,000 - 99,999
- 100,000 - 999,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 MONITOR WELL IDENTIFIER
0.60 CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
< LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l MICROGRAMS PER LITER
AREA OF UNCERTAIN SHALLOW ZONE SATURATION
J- THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.

N

0 500 1,000
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

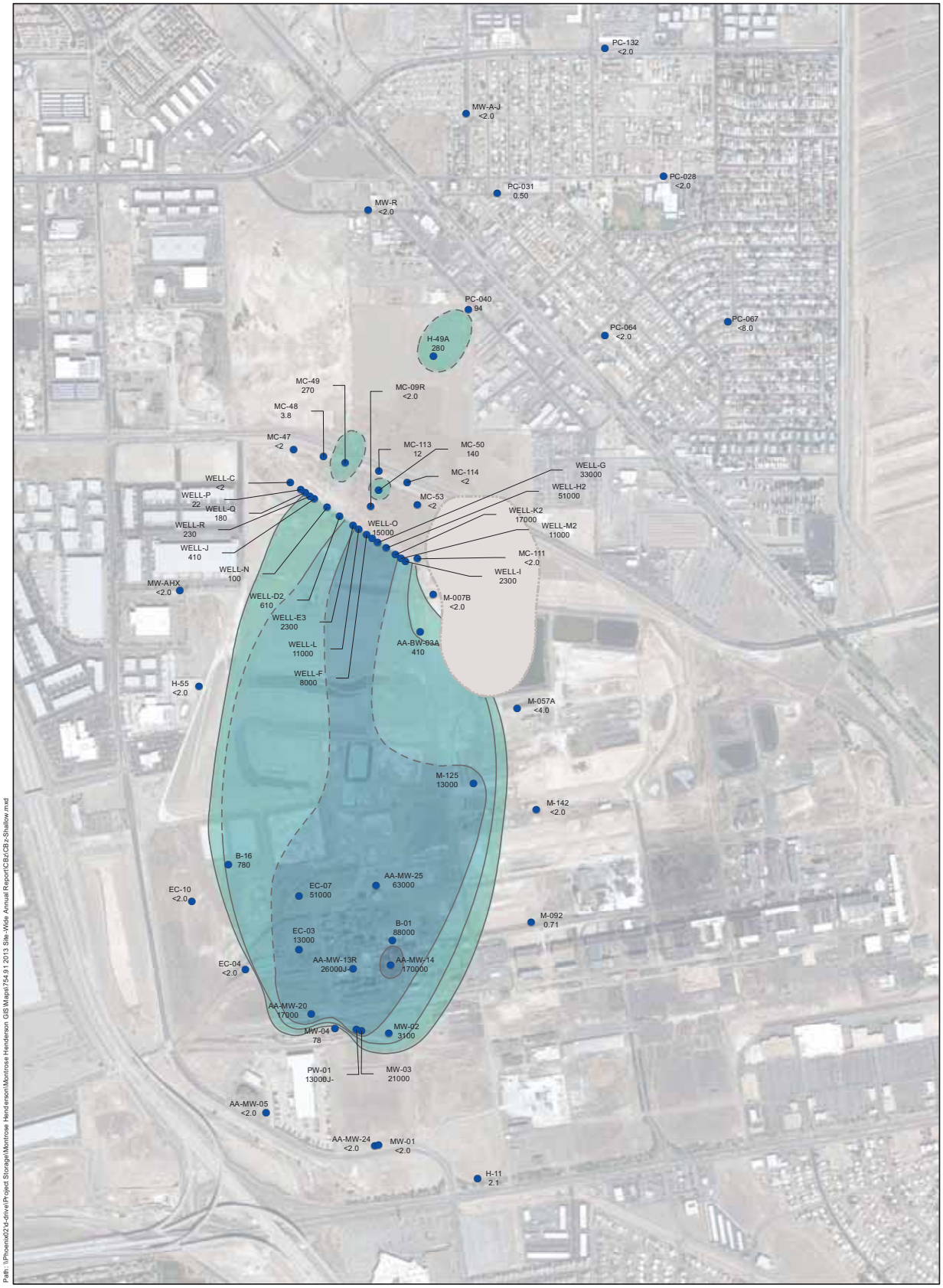
BENZENE
SHALLOW ZONE
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC
HYDROGEOLOGY | ENGINEERING

8/21/2013

FIGURE 6

PREP BY DAT REV BY BRW RPT NO 754.91



Path: \\Phoenix02\d-drive\Project Storage\Montrose Henderson\Montrose Henderson GISMaps\754.91 2013 Site-Wide Annual Report\CBz\CBz-Shallow.mxd

2011 AERIAL PHOTO

EXPLANATION

CHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

- 100 (BCL, MCL) - 999
- 1,000 - 9,999
- 10,000 - 99,999
- 100,000 - 999,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 MONITOR WELL IDENTIFIER
2.1 CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013

< LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

ug/l MICROGRAMS PER LITER

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

J- THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.

N

0 500 1,000
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

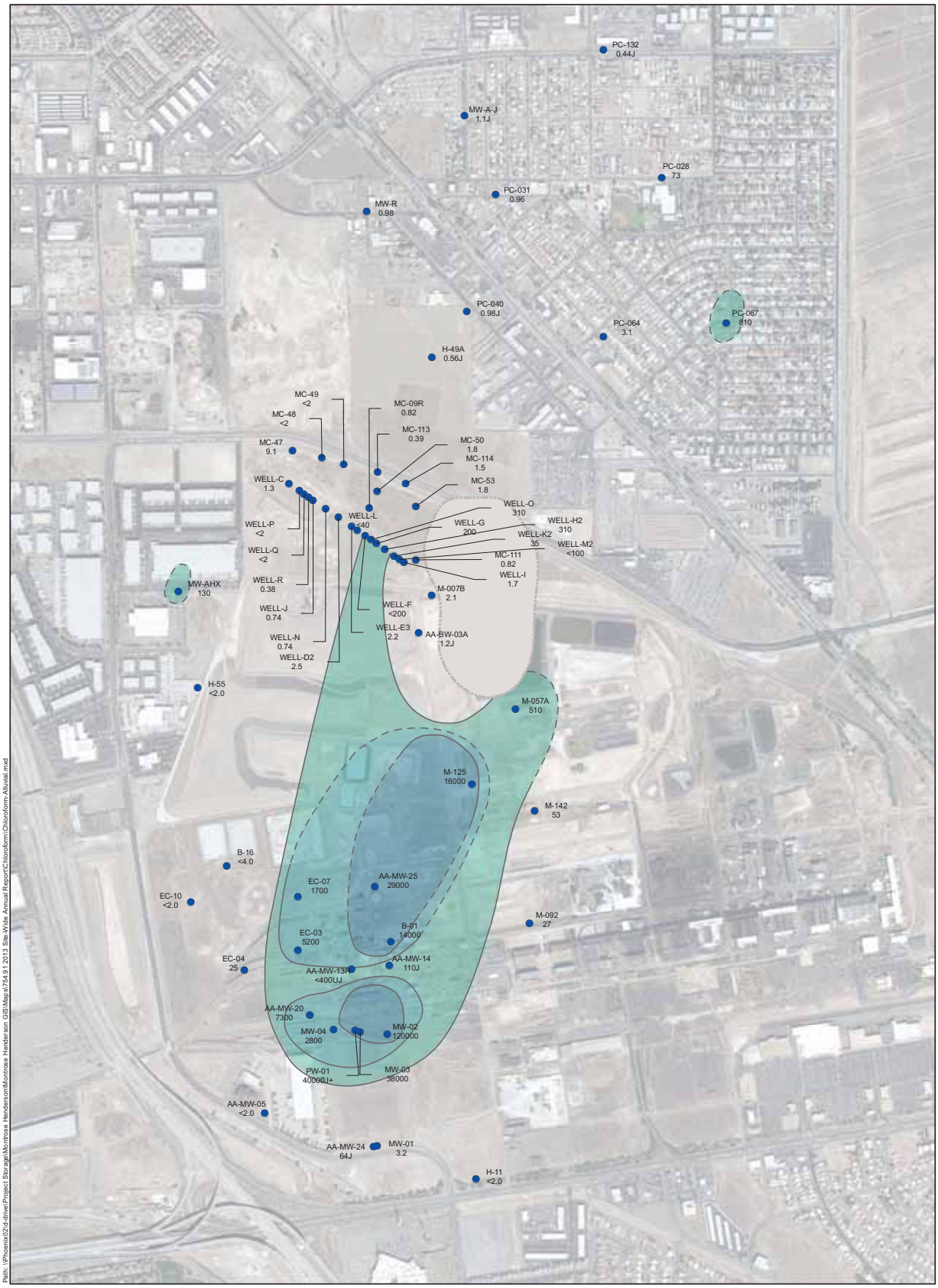
CHLOROBENZENE
SHALLOW ZONE
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC
HYDROGEOLOGY / ENGINEERING

8/9/2013

FIGURE 7

PREP BY DAT REV BY BRW RPT NO 754.86



Path: \\Phoenix02d-drive\Project Storage\Montrose Henderson\Montrose Henderson GISMaps\754.91 2013 Site-Wide Annual Report\Chloroform\Chloroform-Alluvial.mxd

2011 AERIAL PHOTO

EXPLANATION

CHLOROFORM CONCENTRATION (ug/l)
EPA METHOD: 8260B

- 80 (TTHM MCL) - 999
- 1,000 - 9,999
- 10,000 - 99,999

Boundary of concentration zone is dashed where inferred, queried where uncertain.

● **H-11** MONITOR WELL IDENTIFIER
<2.0 CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013

< LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

ug/l MICROGRAMS PER LITER

TTHM TOTAL TRIHALOMETHANES (BROMODICHLOROMETHANE + BROMOFORM + CHLOROFORM + DIBROMOCHLOROMETHANE)

J THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.

J+ THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.

UJ THE ASSOCIATED DETECTION LIMIT VALUE IS AN ESTIMATED QUANTITY.

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
BCL = 0.193 ug/l

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

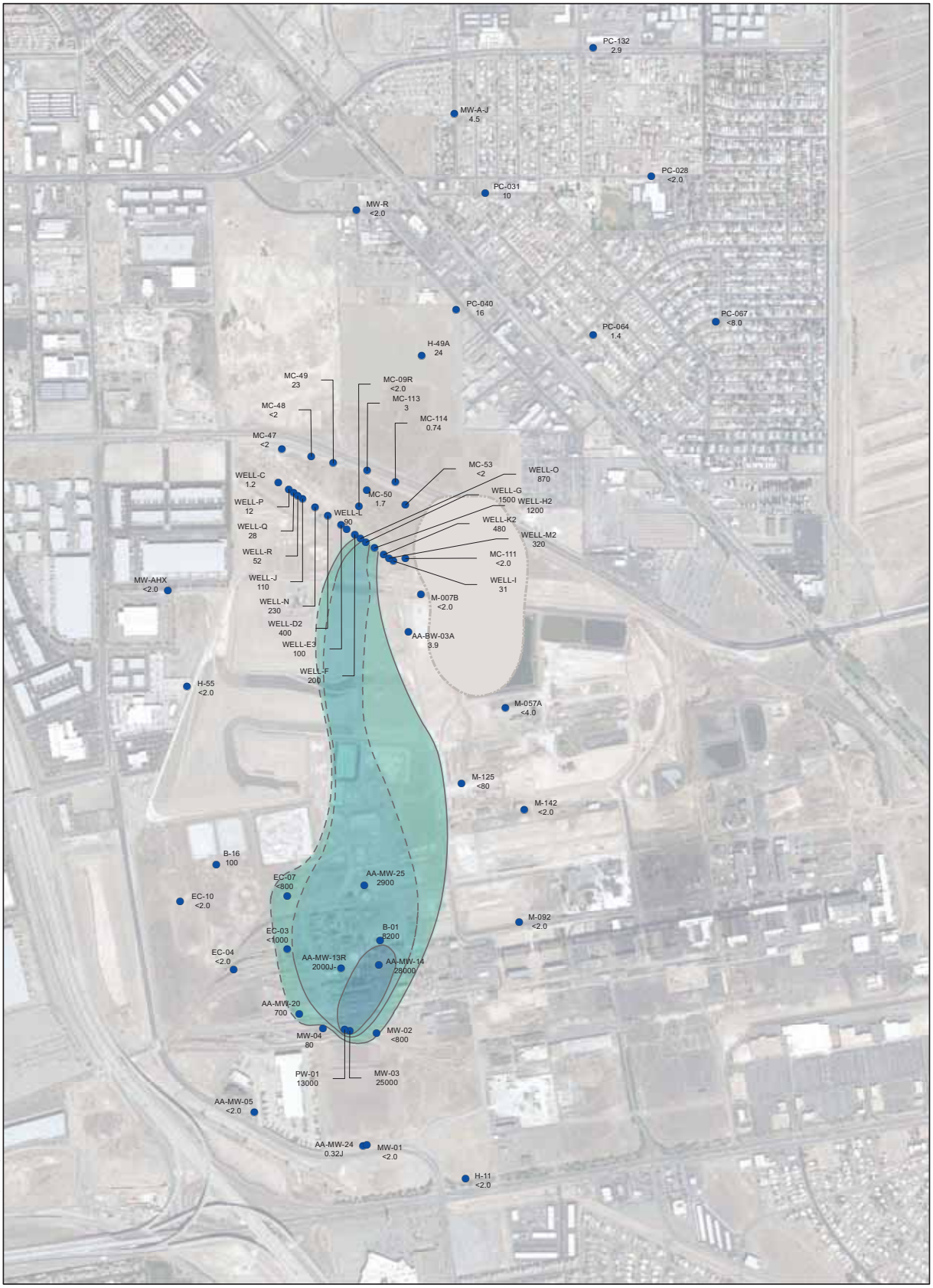
CHLOROFORM
SHALLOW ZONE
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC
HYDROGEOLOGY / ENGINEERING

8/9/2013

FIGURE 8

PREP BY DAT REV BY BRW RPT NO 754.91



EXPLANATION

1,2-DICHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

- 600 (BCL, MCL) - 999
- 1,000 - 9,999
- 10,000 - 99,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 <2.0	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.

N

0 500 1,000
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

1,2-DICHLOROBENZENE
SHALLOW ZONE
SECOND QUARTER 2013

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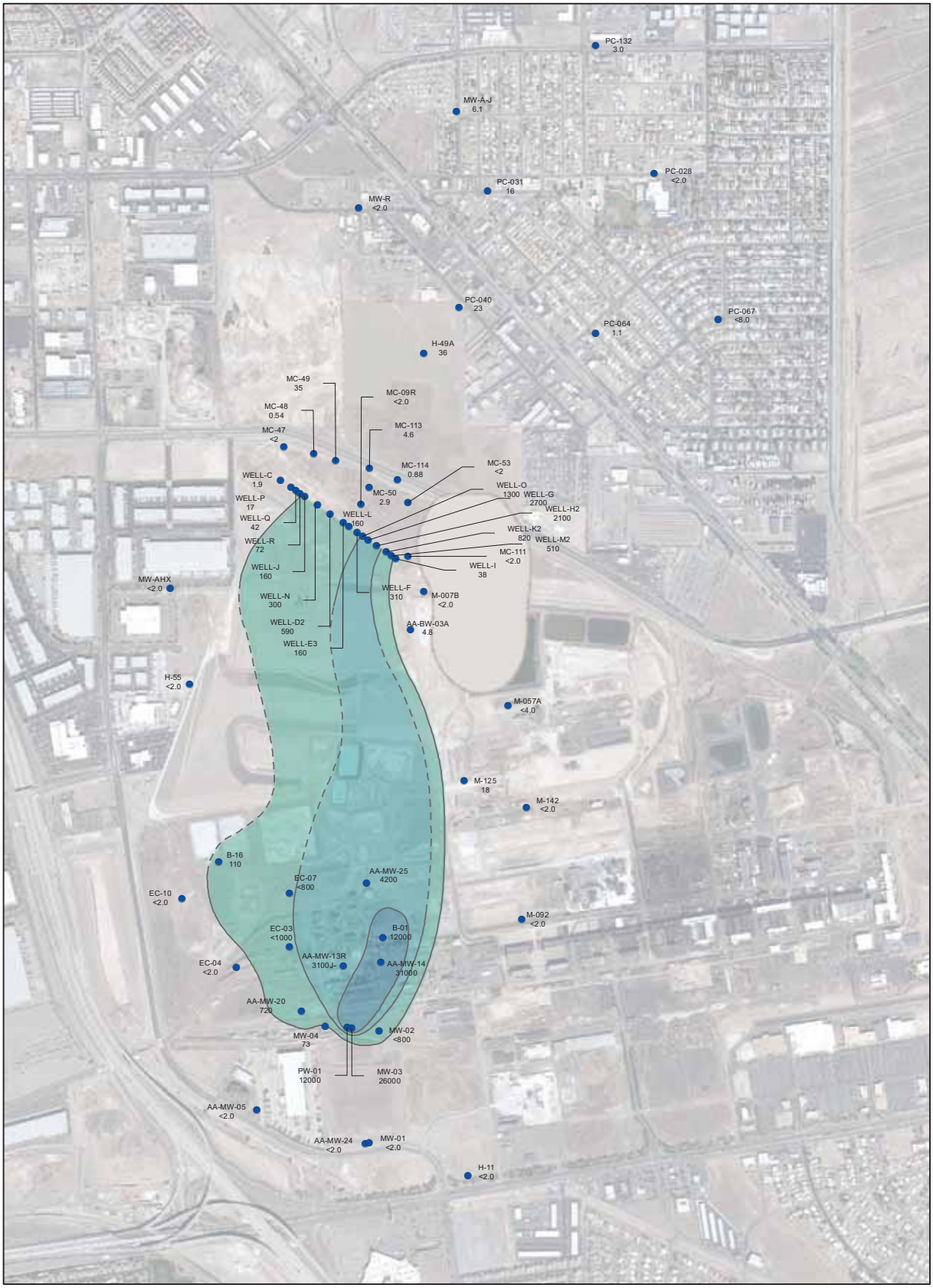
FIGURE 9

PREP BY DAT REV BY BRW RPT NO 754.91



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2011 AERIAL PHOTO

EXPLANATION

1,4-DICHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

- 75 (BCL, MCL) - 999
- 1,000 - 9,999
- 10,000 - 99,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 <2.0	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.

N

0 500 1,000
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

1,4-DICHLOROBENZENE
SHALLOW ZONE
SECOND QUARTER 2013

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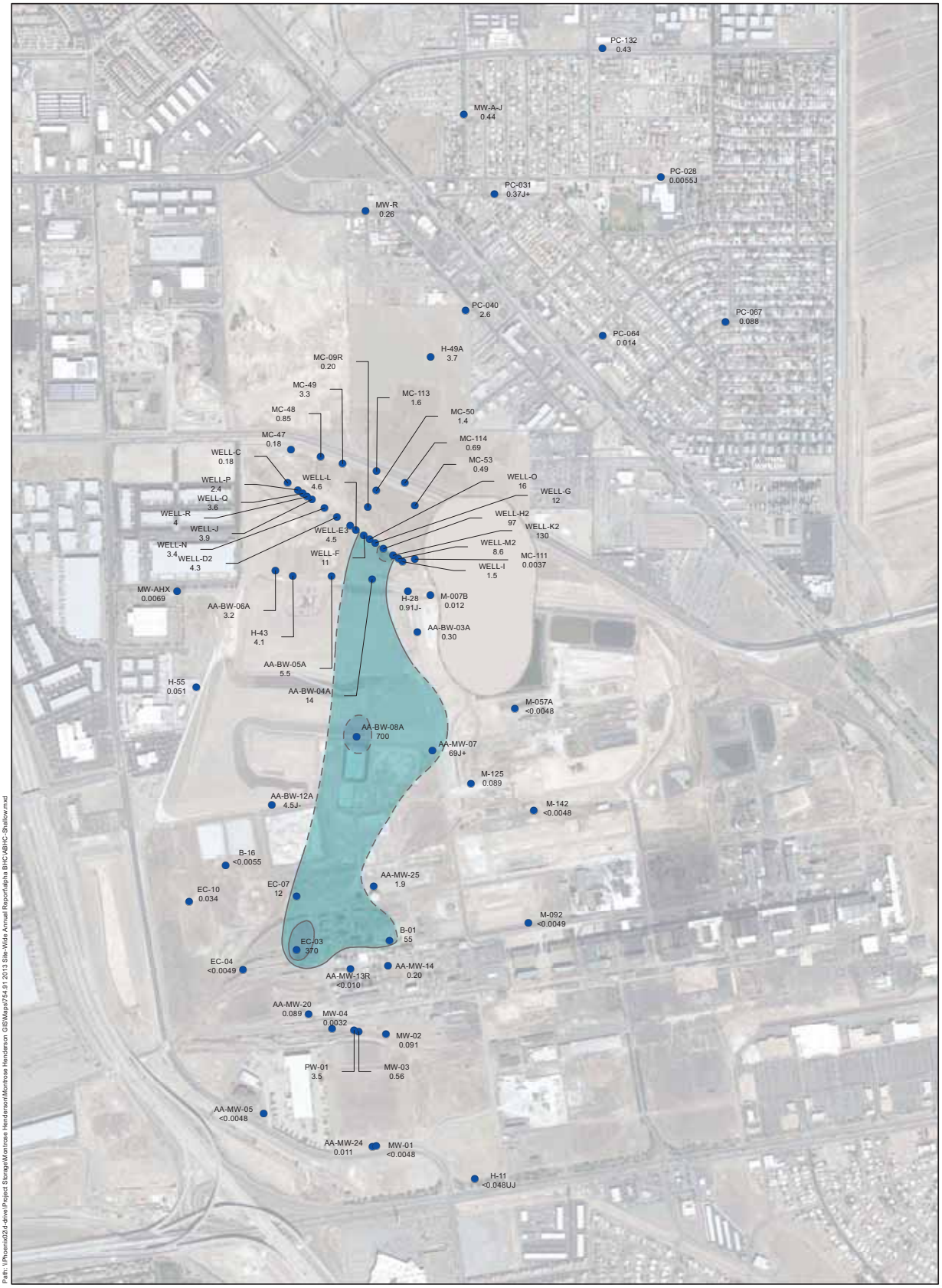
FIGURE 10

PREP BY DAT REV BY BRW RPT NO 754.91



2011 AERIAL PHOTO

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EXPLANATION

ALPHA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

- 11 (BCL) - 99
- 100 - 999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 <0.048UJ — MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013

<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/L	MICROGRAMS PER LITER
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY
J+	THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.
J-	THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.
UJ	THE ASSOCIATED DETECTION LIMIT VALUE IS AN ESTIMATED QUANTITY.
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
There is no EPA guidance level defined for alpha BHC.

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

ALPHA-BHC
SHALLOW ZONE
SECOND QUARTER 2013

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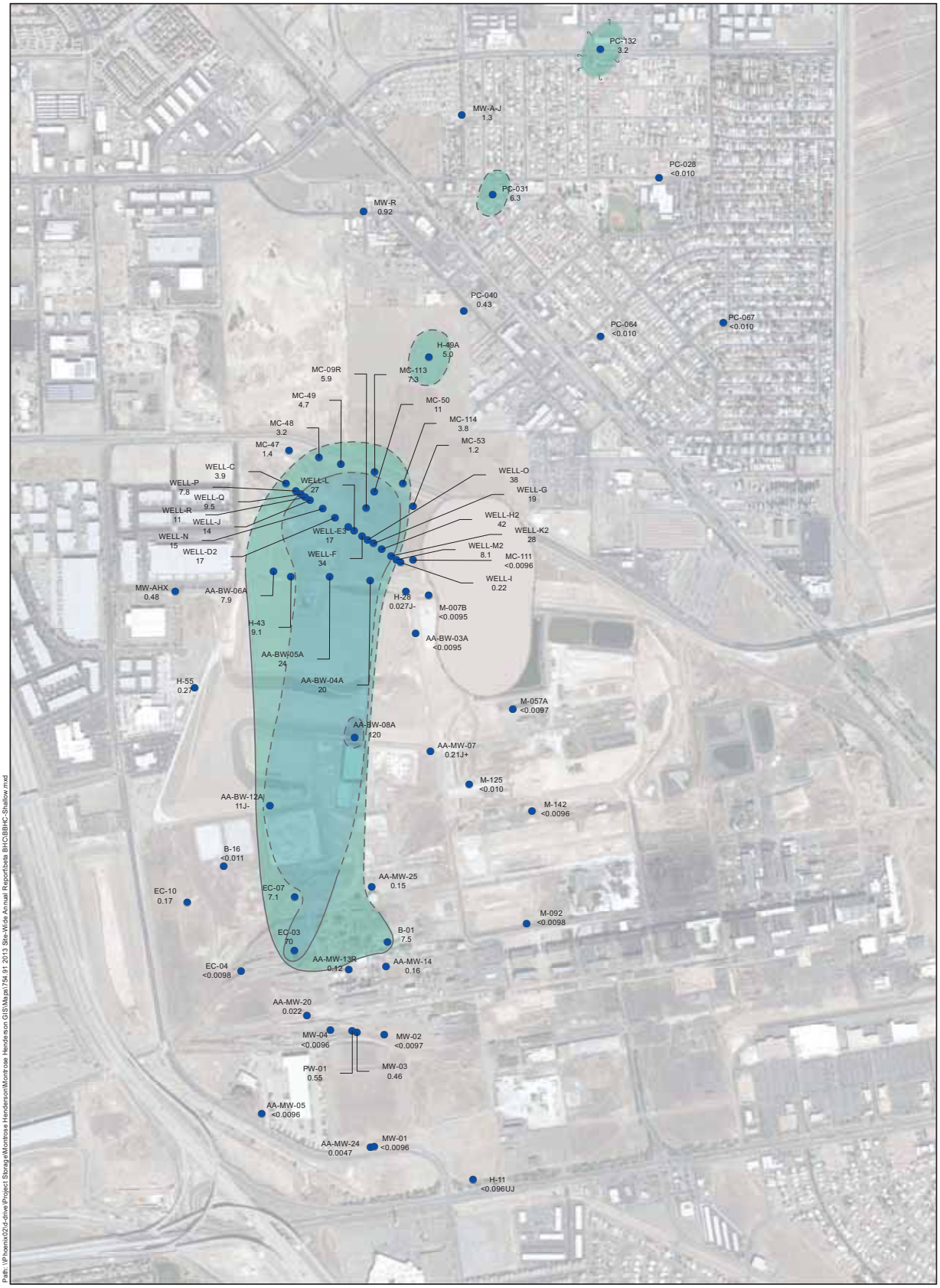
FIGURE 11

PREP BY DAT REV BY BRW RPT NO 754.91



EXPLANATION

BETA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

- 2.19 (BCL) - 9.9
- 10 - 99
- 100 - 999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 <0.096	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
ug/L	MICROGRAMS PER LITER
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION
J+	THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.
J-	THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.
UJ	THE ASSOCIATED DETECTION LIMIT VALUE IS AN ESTIMATED QUANTITY.

N

0 500 1,000
Feet

Note:
There is no EPA guidance level defined for beta BHC.

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

BETA-BHC
SHALLOW ZONE
SECOND QUARTER 2013

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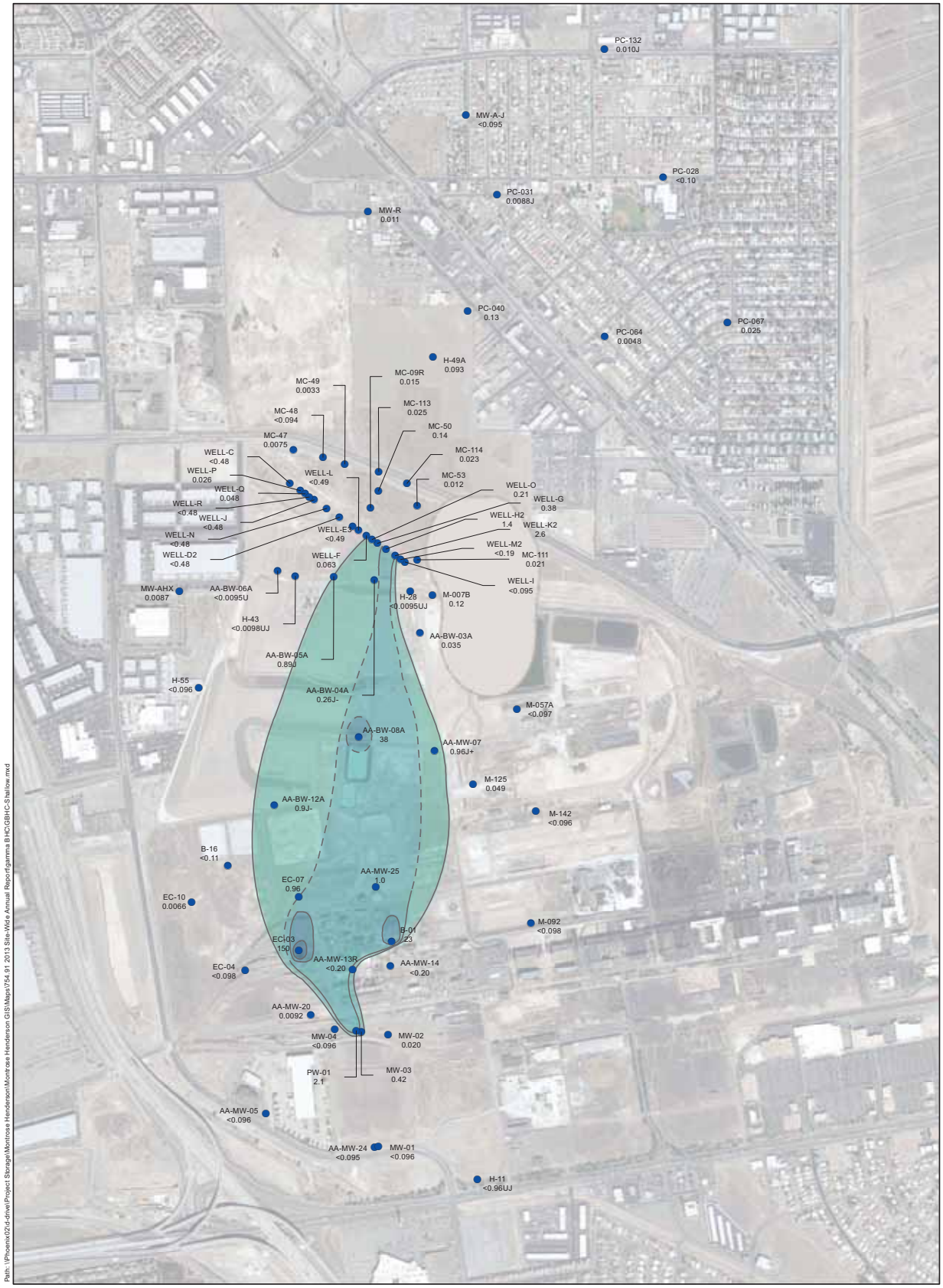
FIGURE 12

PREP BY DAT REV BY BRW RPT NO 754.91



EXPLANATION

GAMMA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

- 0.2 (BCL, MCL) - 0.99
- 1 - 9.9
- 10 - 99
- 100 - 999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 / **<0.96** — MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013

< — LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

ug/L — MICROGRAMS PER LITER

J — THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

J+ — THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.

J- — THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.

UJ — THE ASSOCIATED DETECTION LIMIT VALUE IS AN ESTIMATED QUANTITY.

N

0 500 1,000
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

GAMMA-BHC
SHALLOW ZONE
SECOND QUARTER 2013

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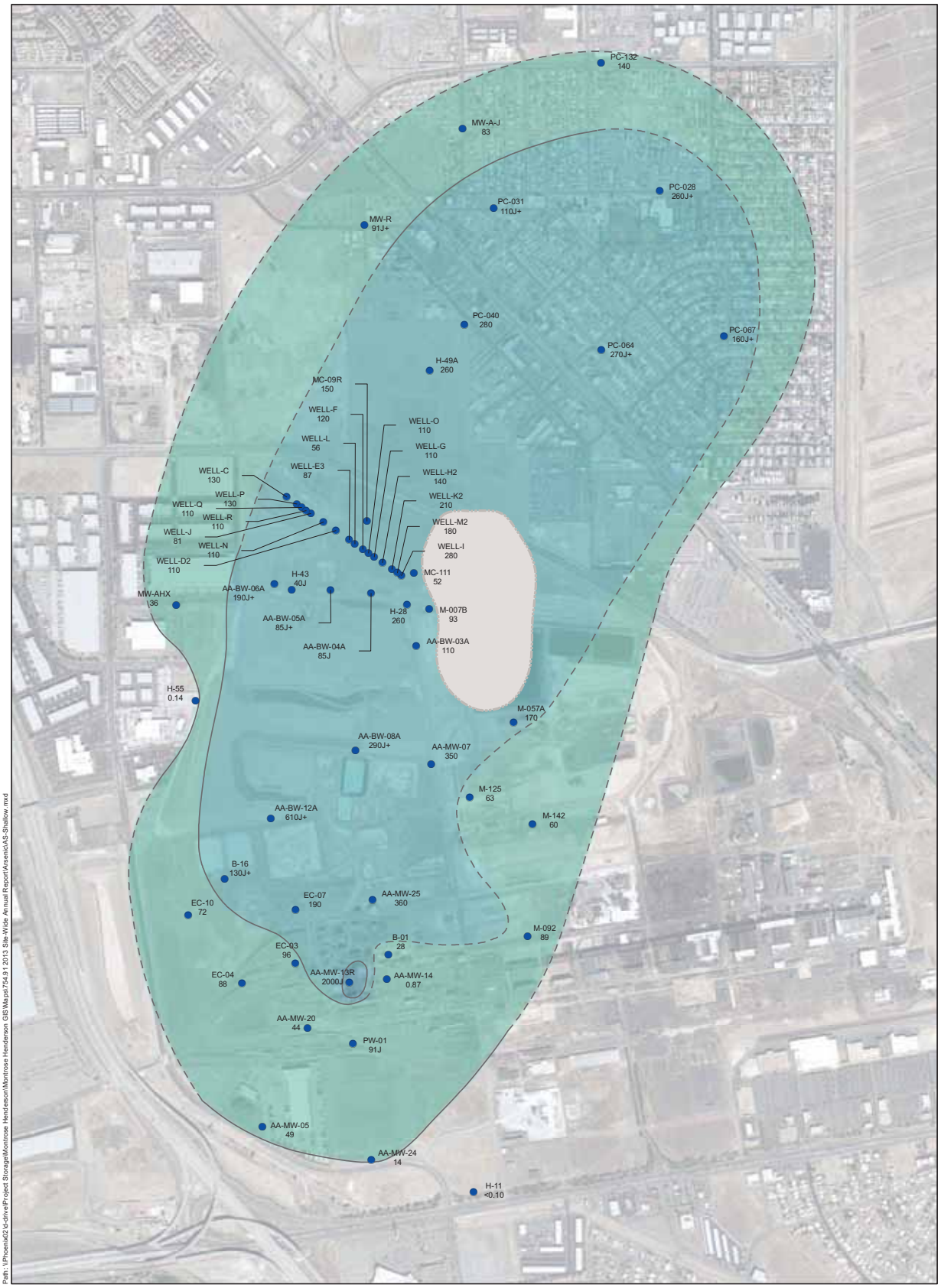
FIGURE 13

PREP BY DAT REV BY BRW RPT NO 754.91



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2011 AERIAL PHOTO

EXPLANATION

ARSENIC CONCENTRATION (ug/l)
EPA METHOD: 6020

- 10 (BCL, MCL) - 99
- 100 - 999
- 1,000 - 9,999

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11	MONITOR WELL IDENTIFIER
<0.10	CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
J+	THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

ARSENIC
SHALLOW ZONE
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

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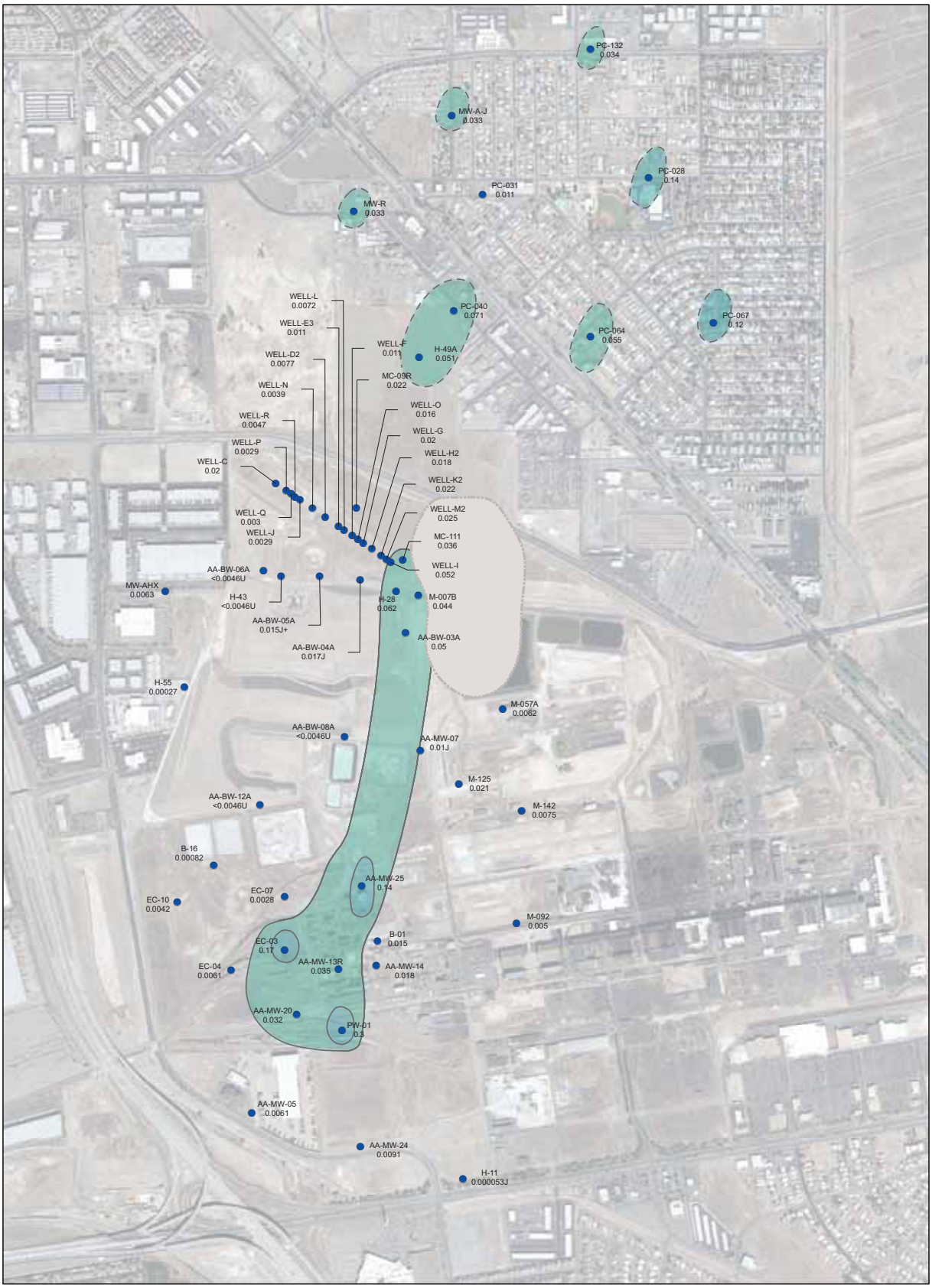
FIGURE 14

PREP BY DAT REV BY BRW RPT NO 754.91



EXPLANATION

URANIUM CONCENTRATION (mg/l)
EPA METHOD: 6020

0.030 (BCL, MCL) - 0.09

0.1 - 0.9

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 MONITOR WELL IDENTIFIER
0.000053J CONCENTRATION IN MILLIGRAMS PER LITER
SECOND QUARTER 2013

J THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

J+ THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.

< LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

mg/l MILLIGRAMS PER LITER

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

URANIUM
SHALLOW ZONE
SECOND QUARTER 2013

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HYDROGEOLOGY / ENGINEERING

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FIGURE 15

PREP BY DAT REV BY BRW RPT NO 754.91

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2011 AERIAL PHOTO

EXPLANATION

PERCHLORATE CONCENTRATION (ug/l)
EPA METHOD: 6850

- 18 (BCL) - 99
- 100 - 999
- 1,000 - 9,999
- >10,000

Boundary of concentration zone is dashed where inferred, queried where uncertain.

H-11 15 — MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013

< — LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

ug/L — MICROGRAMS PER LITER

J — THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES

HENDERSON, NEVADA

PERCHLORATE
SHALLOW ZONE
SECOND QUARTER 2013

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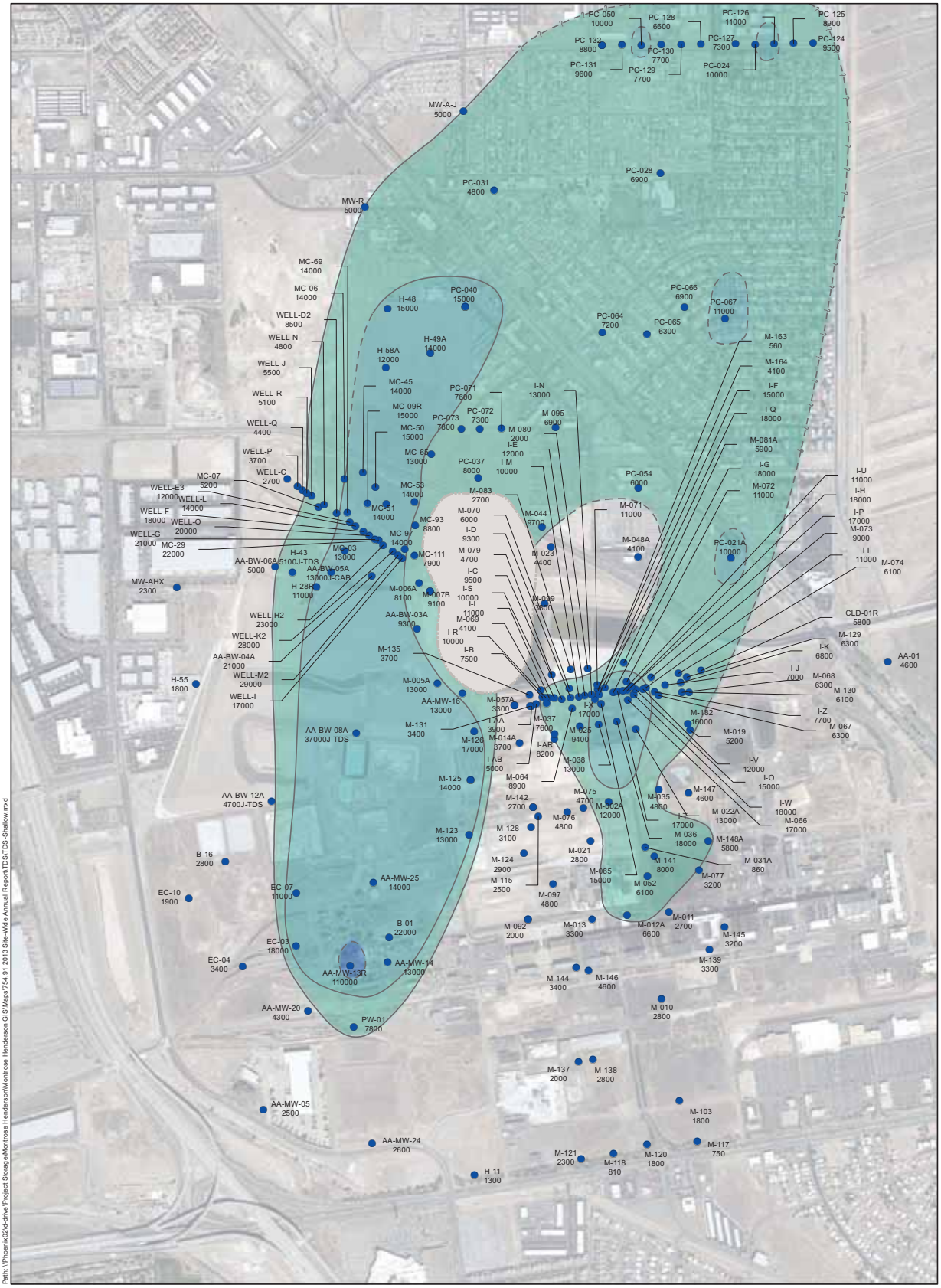
FIGURE 16

PREP BY DAT REV BY BRW RPT NO 754.91



EXPLANATION

TOTAL DISSOLVED SOLIDS CONCENTRATION (mg/l)
EPA METHOD: 160.1

- 5,000 - 9,999
- 10,000 - 99,999
- >100,000

Boundary of concentration zone is dashed where inferred, queried where uncertain

H-11 MONITOR WELL IDENTIFIER
1300 CONCENTRATION IN MILLIGRAMS PER LITER SECOND QUARTER 2013

mg/L MILLIGRAMS PER LITER

AREA OF UNCERTAIN SHALLOW ZONE SATURATION

J-TDS INORGANIC ANALYSIS: THE ANALYTICAL RESULT IS ESTIMATED BASED ON TDS CORRECTNESS CHECKS PERFORMED IN ACCORDANCE WITH STANDARD METHODS.

J-CAB INORGANIC ANALYSIS: THE ANALYTICAL RESULT IS ESTIMATED BASED ON CATION/ANION CORRECTNESS CHECKS PERFORMED IN ACCORDANCE WITH STANDARD METHODS.

N

0 500 1,000
Feet

Note:
There are no primary EPA or NDEP guidance levels defined for TDS.
The secondary EPA MCL is 500 mg/l

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

TOTAL DISSOLVED SOLIDS
SHALLOW ZONE
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC.
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FIGURE 17

PREP BY DAT REV BY BRW RPT NO 754.91

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2011 AERIAL PHOTO

EXPLANATION

BENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

● **CP-01** **<2.0**	MONITOR WELL CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY WITH A NEGATIVE BIAS.
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY.
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 5 ug/l
BCL	= 5 ug/l

N

0 400 800
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

BENZENE
MIDDLE ZONE
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC.
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FIGURE 18

PREP BY DAT REV BY BRW RPT NO 754.91

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EXPLANATION

CHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

● **CP-01** **21**	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.
ug/l	MICROGRAMS PER LITER
MCL	= 100 ug/l
BCL	= 100 ug/l

N

0 400 800
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

CHLOROBENZENE
MIDDLE ZONE
SECOND QUARTER 2013

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HYDROGEOLOGY / ENGINEERING

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FIGURE 19

PREP BY DAT REV BY BRW RPT NO 754.91

Path: \\Phoenix02\c-drive\Project Storage\Montrose Henderson\Montrose Henderson GIS\Maps\754.91 2013 Site-Wide Annual Report\Chloroform\Chloroform-Middle.mxd

2011 AERIAL PHOTO

EXPLANATION

CHLOROFORM CONCENTRATION (ug/l)
EPA METHOD: 8260B

● **CP-01**	MONITOR WELL IDENTIFIER
<2.0	CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 80 TTHM ug/l
BCL	= 0.193 ug/l
TTHM	TOTAL TRIHALOMETHANES (BROMODICHLOROMETHANE + BROMOFORM + CHLOROFORM + DIBROMOCHLOROMETHANE)
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.

N

0 400 800
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

CHLOROFORM
MIDDLE ZONE
SECOND QUARTER 2013

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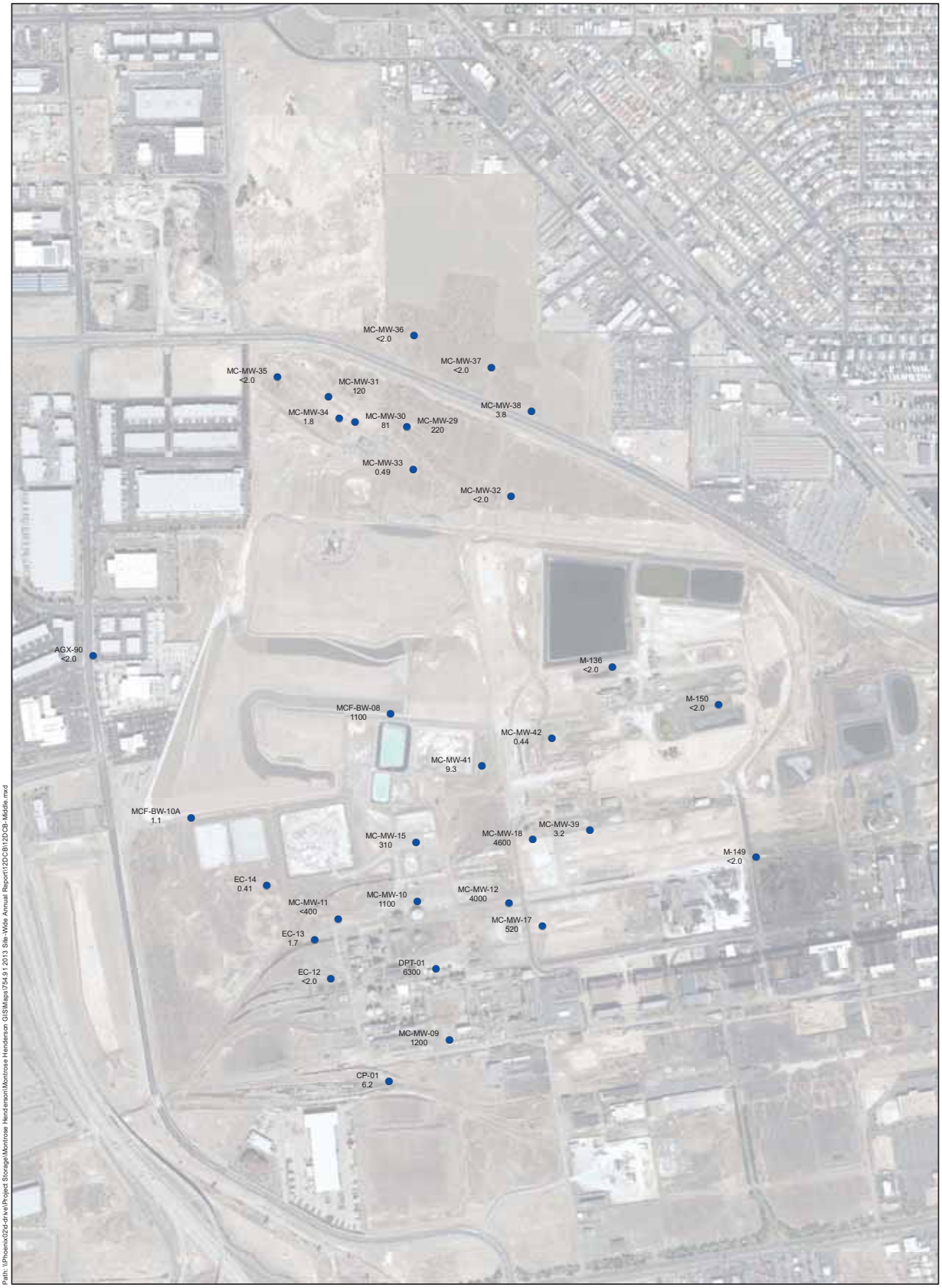
FIGURE 20

PREP BY DAT REV BY BRW RPT NO 754.91



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2011 AERIAL PHOTO

EXPLANATION

1,2-DICHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

CP-01	MONITOR WELL IDENTIFIER
6.2	CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 600 ug/l
BCL	= 600 ug/l
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY.

N

0 400 800
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

1,2-DICHLOROBENZENE
MIDDLE ZONE
SECOND QUARTER 2013

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FIGURE 21

PREP BY DAT REV BY BRW RPT NO 754.91

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2011 AERIAL PHOTO

EXPLANATION

1,4-DICHLOROBENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

● **CP-01** **7.8**	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
MCL	= 75 ug/l
BCL	= 75 ug/l
ug/l	MICROGRAMS PER LITER
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY.

N

0 400 800
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

1,4-DICHLOROBENZENE
MIDDLE ZONE
SECOND QUARTER 2013

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FIGURE 22

PREP BY DAT REV BY BRW RPT NO 754.91

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2011 AERIAL PHOTO

EXPLANATION

ALPHA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

● **CP-01** **0.069**	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
ug/l	MICROGRAMS PER LITER
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
MCL	= None established
BCL	= 11 ug/l
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY.
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY WITH A NEGATIVE BIAS.

N

0 400 800
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

ALPHA-BHC
MIDDLE ZONE
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC.
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FIGURE 23

PREP BY DAT REV BY BRW RPT NO 754.91

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2011 AERIAL PHOTO

EXPLANATION

BETA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

● **CP-01**	MONITOR WELL IDENTIFIER
0.051	CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= None established
BCL	= 2.19 ug/l
J-	THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A NEGATIVE BIAS.
UJ	THE ASSOCIATED DETECTION LIMIT VALUE IS AN ESTIMATED QUANTITY.

N

0 400 800
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

BETA-BHC
MIDDLE ZONE
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC.
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FIGURE 24

PREP BY DAT REV BY BRW RPT NO 754.91

Path: \\Phoenix02d-drive\Project Storage\Montrose Henderson\Montrose Henderson GIS\Maps\754.91 2013 Site-Wide Annual Report\gamma BHC\GBHC-Middle.mxd

2011 AERIAL PHOTO

EXPLANATION

GAMMA-BHC CONCENTRATION (ug/l)
EPA METHOD: 8081A

● **CP-01**	MONITOR WELL IDENTIFIER
0.016	CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 0.2 ug/l
BCL	= 0.2 ug/l
J-	THE ASSOCIATED VALUE IS AN ESTIMATED QUANITIY WITH A NEGATIVE BIAS.

N

0 400 800
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

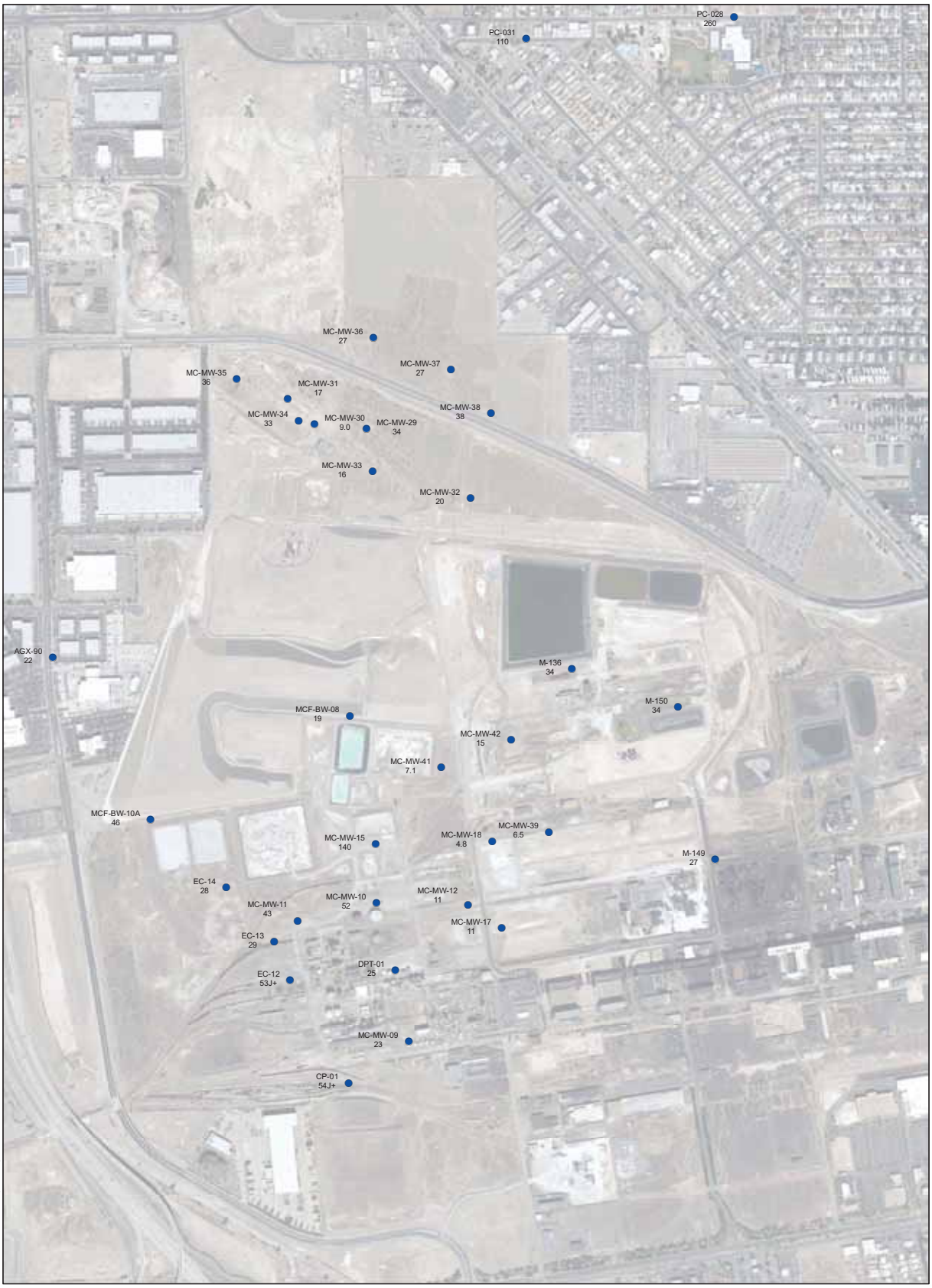
GAMMA-BHC
MIDDLE ZONE
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY / ENGINEERING

8/9/2013

FIGURE 25

PREP BY DAT REV BY BRW RPT NO 754.91



Path: \\Phoenix02d-drive\Project Storage\Montrose Henderson\Montrose Henderson GIS\Maps\754.91 2013 Site-Wide Annual Report\Arsenic\AS-Middle.mxd

2011 AERIAL PHOTO

EXPLANATION

ARSENIC CONCENTRATION (ug/l)
EPA METHOD: 6020

● CP-01 54J+	MONITOR WELL IDENTIFIER CONCENTRATION IN MILLIGRAMS PER LITER SECOND QUARTER 2013
<	LESS THAN: COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
MCL	= 10 ug/l
BCL	= 10 ug/l
J+	THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED QUANTITY WITH A POSITIVE BIAS.

N

0 400 800
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

ARSENIC
MIDDLE ZONE
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC.
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8/9/2013

FIGURE 26

PREP BY DAT REV BY BRW RPT NO 754.91

Path: \\Phoenix02\d-drive\Project Storage\Montrose Henderson\Montrose Henderson GIS\Maps\754.91 2013 Site-Wide Annual Report\Uranium\Uranium-Middle.mxd

2011 AERIAL PHOTO

EXPLANATION

URANIUM CONCENTRATION (mg/l)
EPA METHOD: 6020

● **CP-01** MONITOR WELL IDENTIFIER
0.0018 CONCENTRATION IN MILLIGRAMS PER LITER SECOND QUARTER 2013

< LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT

mg/l MILLIGRAMS PER LITER

MCL = 0.030 mg/l
BCL = 0.030 mg/l

N

0 400 800
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

URANIUM
MIDDLE ZONE
SECOND QUARTER 2013

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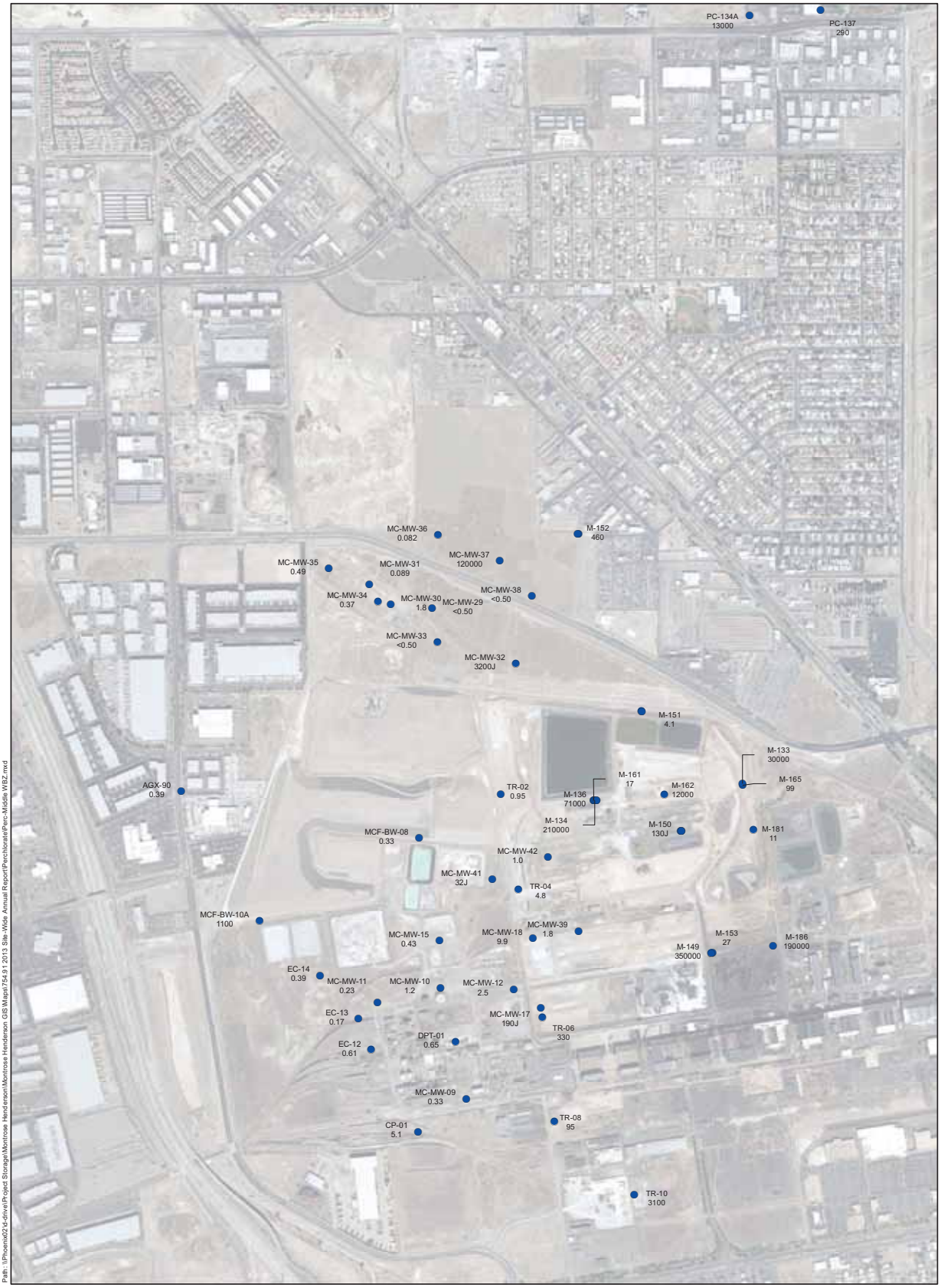
10/14/2013

FIGURE 27

PREP BY DAT REV BY BRW RPT NO 754.91



Path: \\Phoenix02\d-drive\Project Storage\Montrose Henderson\Montrose Henderson GISMaps\754.91 2013 Site-Wide Annual Report\Perchlorate\Perc-Middle WBZ.mxd

2011 AERIAL PHOTO

EXPLANATION

PERCHLORATE CONCENTRATION (ug/l)
EPA METHOD: 6850

● CP-01 5.1	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2013
ug/L	MICROGRAMS PER LITER
MCL BCL	NOT ESTABLISHED = 18 ug/l
J	THE ASSOCIATED VALUE IS AN ESTIMATED QUANTITY

N

0 500 1,000
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES

HENDERSON, NEVADA

PERCHLORATE
MIDDLE ZONE
SECOND QUARTER 2013

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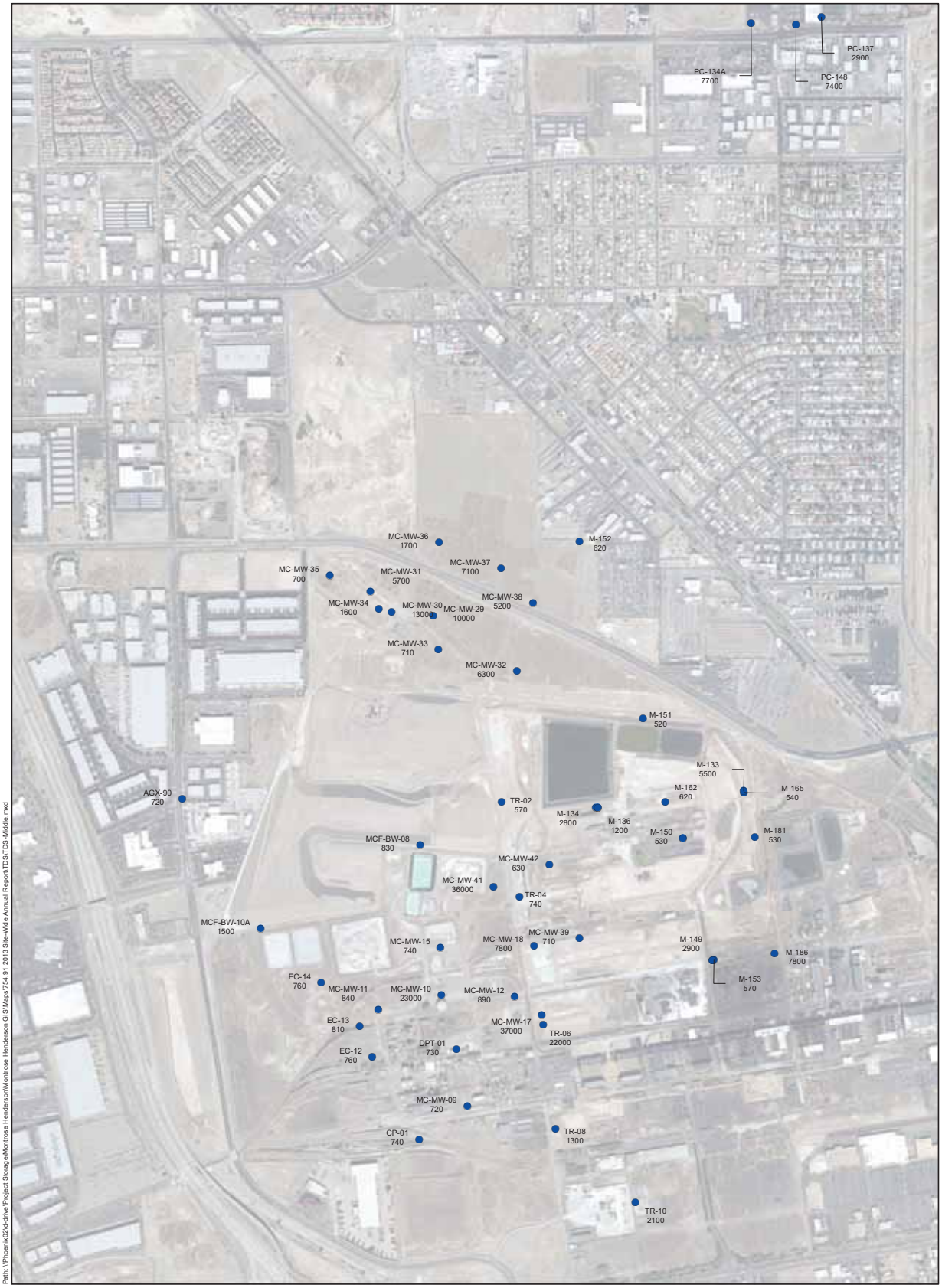
8/9/2013

FIGURE 28

PREP BY DAT REV BY BRW RPT NO 754.91



Path: \\Phoenix02\d-drive\Project Storage\Montrose Henderson\Montrose Henderson GIS\Maps\754.91 2013 Site-Wide Annual Report\TDS\TDS-Middle.mxd

2011 AERIAL PHOTO

EXPLANATION

TOTAL DISSOLVED SOLIDS CONCENTRATION (mg/l)
STANDARD METHOD: 2540C

● CP-01 740	MONITOR WELL IDENTIFIER CONCENTRATION IN MILLIGRAMS PER LITER SECOND QUARTER 2013
mg/l	MILLIGRAMS PER LITER
MCL	NOT ESTABLISHED
BCL	NOT ESTABLISHED

N

0 500 1,000
Feet

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

TOTAL DISSOLVED SOLIDS
MIDDLE ZONE
SECOND QUARTER 2013

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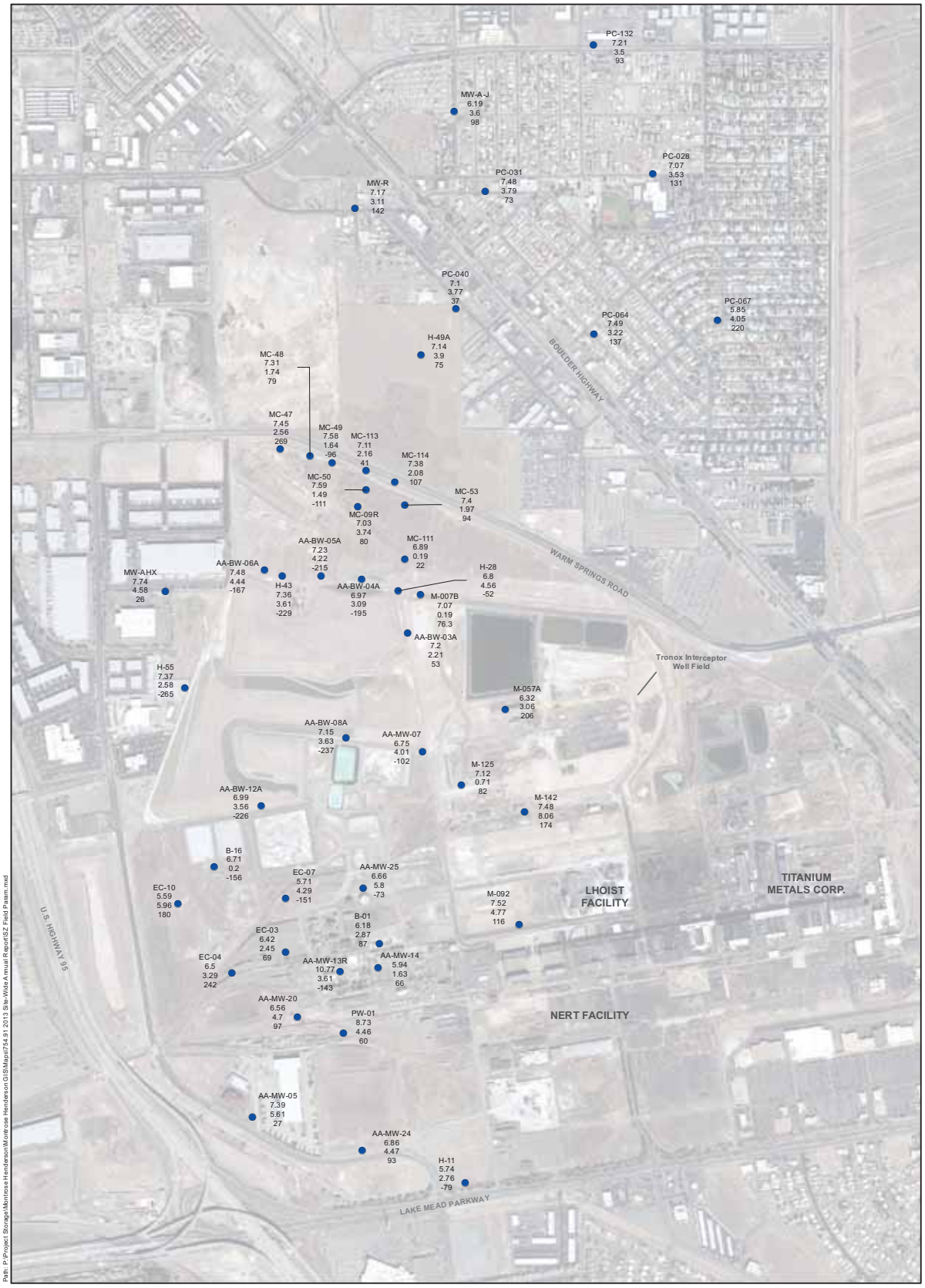
7/24/2013

FIGURE 29

PREP BY DAT REV BY BRW RPT NO 754.91



EXPLANATION

AA-MW-05 Shallow Zone Location
7.39 pH
5.61 D.O. (mg/L)
27 ORP (mV)

N

0 500 1,000 Feet

NOTE:
D.O. = Dissolved Oxygen in milligrams per liter (mg/l)
ORP = Oxidation-reduction potential in millivolts (mV)

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

SHALLOW ZONE FIELD PARAMETERS
SECOND QUARTER 2013

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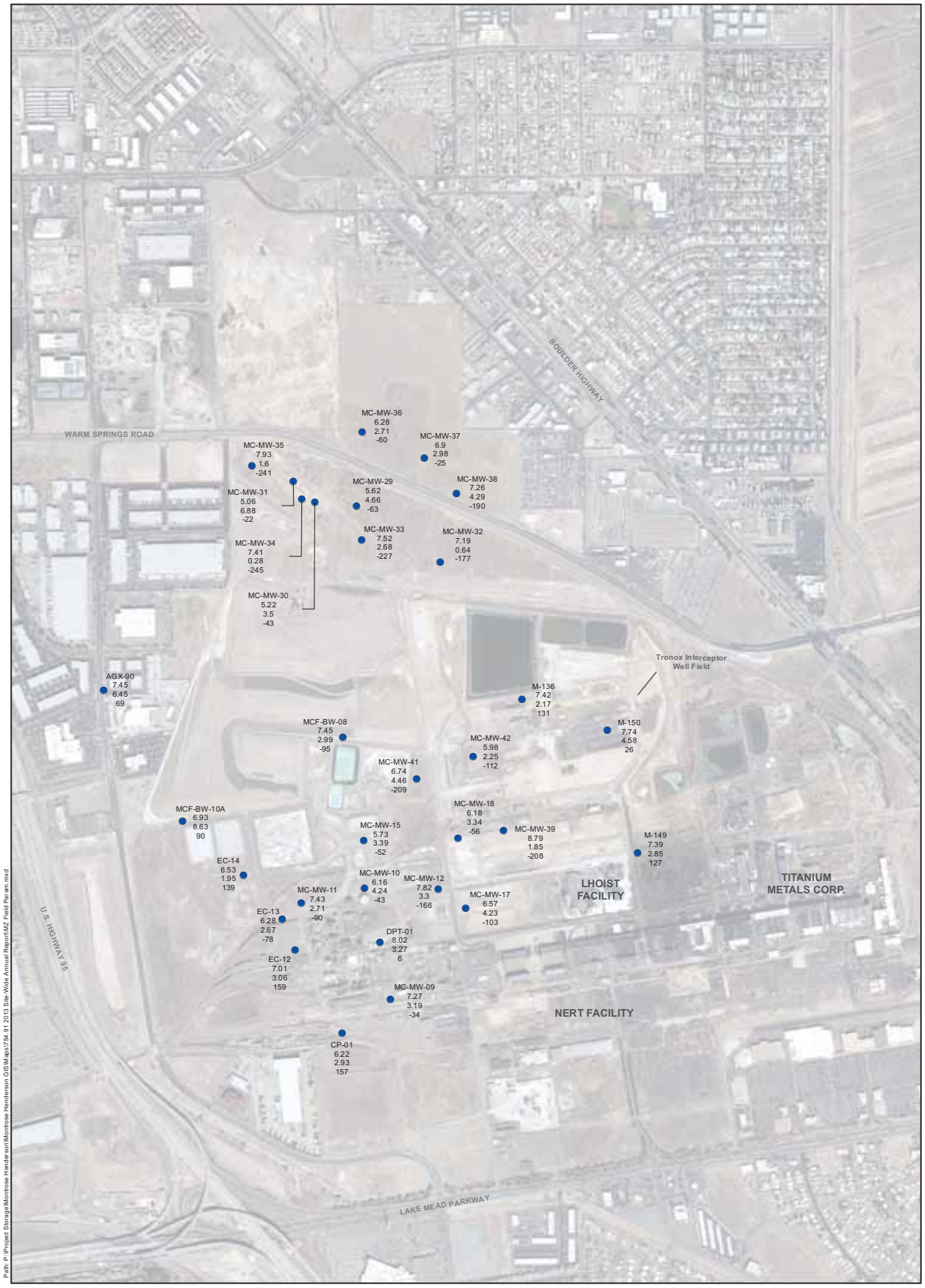
8/22/2013

FIGURE 30

PREP BY DAT REV BY BRW RPT NO 754.91



EXPLANATION

CP-01	Middle Zone Location
6.22	pH
2.93	D.O. (mg/L)
157	ORP (mV)

N

0 500 1,000 Feet

NOTE:
D.O. = Dissolved Oxygen in milligrams per liter (mg/l)
ORP = Oxidation-reduction potential in millivolts (mV)

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

MIDDLE ZONE FIELD PARAMETERS
SECOND QUARTER 2013

HARGIS ASSOCIATES INC
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8/22/2013

FIGURE 31

PREP BY DAT REV BY BRW RPT NO 754.91

Path: P:\Project Storage\Montrose Henderson\Montrose Henderson GIS\Maps\754.91 2013 Site-Wide Annual Report\DZ Field Param.mxd

EXPLANATION

TR-09	Deep Zone Location
7.54	pH
6.79	D.O. (mg/L)
82	ORP (mV)

N

0 500 1,000 Feet

NOTE:
D.O. = Dissolved Oxygen in milligrams per liter (mg/l)
ORP = Oxidation-reduction potential in millivolts (mV)

2013 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

DEEP ZONE FIELD PARAMETERS
SECOND QUARTER 2013

HARGIS + ASSOCIATES, INC.

8/22/2013

FIGURE 32

PREP BY DAT REV BY BRW RPT NO 754.91

APPENDIX A

RESPONSE TO NDEP COMMENTS ON THE 2012 REPORT

RESPONSE TO
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION RESPONSE TO:

2012 COMPREHENSIVE GROUNDWATER DATA EVALUATION REPORT
FORMER MONTROSE AND STAUFFER FACILITIES AND CURRENT OLIN FACILITY
HENDERSON, NEVADA

NDEP FACILITY IDs: H-000536 AND H-000540
DATED JANUARY 22, 2013

Companies' responses dated February 22, 2013

This response was prepared to document Nevada Division of Environmental Protection (NDEP) comments to the above referenced document. Each NDEP comment is reiterated below in italics and followed by the Companies' response.

1. *Section 2.2.1.1 Shallow Zone, page 5, the NDEP provides the following comments:*
   a. *In future Deliverables, please discuss chloroform in the context of the USEPA total trihaolmethanes (TTHM) MCL. This affects a number of sections of the Deliverable and this comment will not be repeated.*

<u>Response</u>: Chloroform data will be discussed in the context of the maximum contaminant level (MCL) for total trihalomethanes (TTHMs) in future reports.

   b. *1, 2-dichlorobenzene section, it appears that there is an erroneous reference to chloroform in this section. Please revise in future Deliverables.*

<u>Response</u>: The reference to chloroform was in error. 1, 2-Dichlorobenzene should have been referenced.

2. *Section 2.2.1.2 Middle Zone, page 6, the Deliverable states that "However, the distributions of some of these VOCs now extend downgradient (north) and cross-gradient (southeast) of the GWTS where water quality data are now available from several middle zone monitor wells installed in 2010 and 2011. Review of the data indicates that some VOCs are present at concentrations greater than their MCLs in these areas. However, the concentrations of these VOCs are orders of magnitude greater in the upgradient areas compared to downgradient and cross-gradient areas." NDEP provides the following comments:*
   a. *The fact that VOC concentrations are orders of magnitude greater in the upgradient areas compared to downgradient and cross-gradient areas" is not a mitigating factor for VOCs exceeding their respective MCL and/or BCL. Please either remove these*

statements from future Deliverables or provide discussion as to why these statements are relevant.

<u>Response</u>: The referenced text was included in the report to describe the variability of volatile organic compound (VOC) concentrations across the study area. The intent was to give the reader a broad perspective of VOC conditions, not to identify these conditions as a mitigating factor(s). In future reports, the chemical distribution will be described without implying the distribution in and of itself to be mitigating factor for MCL/BCL exceedance.

b. *Based on the data presented, unmitigated sources of contamination in the Middle Zone appear to be travelling off-site. Please discuss how and when the nature and extent of this contamination will be assessed.*

<u>Response</u>: The Companies received comments to the *Revised Upper Muddy Creek Formation Additional Investigation Report, OSSM Joint Groundwater Program* in a letter from NDEP dated January 22, 2013. The nature and extent of contamination in the Middle Zone are being assessed as part of the Companies' Upper Muddy Creek Formation program.

3. *Section 2.2.2.2 Middle Zone, page 7, the Companies reference anomalous concentrations of pesticides in well MCF-BW-08; however, no discussion was provided of why they are believed to be anomalous or how this matter will be investigated and or mitigated. Please provide this discussion.*

<u>Response</u>: The table below summarizes the available benzene hexachloride (BHC) data for well MCF-BW-08:

Location	Date	Parameter	Result	Units
MCF-BW-08	4/15/2005	alpha-BHC	500J-	micrograms per liter
MCF-BW-08	3/6/2007	alpha-BHC	380	micrograms per liter
MCF-BW-08	5/9/2012	alpha-BHC	1200	micrograms per liter
MCF-BW-08	4/15/2005	beta-BHC	58J-	micrograms per liter
MCF-BW-08	3/6/2007	beta-BHC	130	micrograms per liter
MCF-BW-08	5/9/2012	beta-BHC	200	micrograms per liter
MCF-BW-08	4/15/2005	gamma-BHC	130J-	micrograms per liter
MCF-BW-08	3/6/2007	gamma-BHC	140	micrograms per liter
MCF-BW-08	5/9/2012	gamma-BHC	420	micrograms per liter

Review of the data indicates that the concentrations of alpha-, beta-, and gamma-BHC in 2012 were elevated compared to previous sampling events. The cause(s) for these increases in concentration are not clear and were unexpected; hence the Companies referred to these results as anomalous.

However, concentrations of BHCs are typically elevated in samples collected from well MCF-BW-08 compared to other locations in the study area. One possible cause of elevated concentrations in well MCF-BW-08 is its proximity to the former location of the slit trenches in the BMI landfill. It is unclear whether slit trench closure activities could have created a short-term spike in groundwater concentrations.

The dataset for pesticides at well MCF-BW-08 is small. Therefore, the Companies stated in Section 2.2.2.2 of the text and on Figures 23 through 25 that these anomalous concentrations would be corroborated during future monitoring. Potential additional monitoring by Basic Remediation Company (BRC) in 2013 may provide data to further develop trends for BHCs in well MCF-BW-08 or that the BHC concentrations are with a normal range for the well. The results of future monitoring and interpretations will be presented to NDEP (including work at the former Wastewater Ponds 1 and 2).

4. *Section 2.2.4 General Chemistry, page 9, the NDEP notes that the Companies' memorandum dated March 16, 2012 is under review by the NDEP. Further comment is not appropriate until that review is completed by the NDEP.*

<u>Response</u>: The status of the Companies' memorandum is noted.

5. *Section 2.2.4.1 Total Dissolved Solids, page 10, material differences in concentration between wells AA-MW-13 and A-MW-13R are reported. Please provide an addendum, which compares the well construction versus the water levels. This comment applies to several sections of the Deliverable and will not be repeated. It is also noted that there is no basis for the 5,000 mg/l value used to compare total dissolved solids concentrations. Please do not use this in future Deliverables.*

<u>Response</u>: Re: first portion of NDEP comment: Attachment A provides information for Shallow Zone monitor wells AA-MW-13 and AA-MW-13R. Well AA-MW-13R was constructed to replace well AA-MW-13. Well AA-MW-13R was located as close as possible to the former well (Figure A-1). Lithologic conditions encountered at both wells were very consistent and both wells were constructed with near identical screened intervals (Figures A-2 and A-3).

Water levels have been measured at well AA-MW-13R once to date. The groundwater elevation at well AA-MW-13R in 2012 was approximately five feet lower than the last measurement at well AA-MW-13 in 2011 (Figure A-4; Table A-1). These elevations are considered in agreement as groundwater elevations at wells located east of AA-MW-13/AA-MW-13R also decreased (up to approximately three feet between 2011 and 2012). Additional water level data will be collected during future monitoring events. The Companies believe that well AA-MW-13R has proven to be a suitable replacement for the former well.

Re: second portion of NDEP comment: Discussions on contaminant concentrations are based on primary MCLs or basic comparison levels (BCLs). There are presently no primary MCLs or BCLs established for total dissolved solids (TDS). The secondary MCL for TDS is 500 milligrams per liter (mg/l). This concentration will be used for comparisons in future reports.

6. *Section 2.3.1 Operations, page 12, the NDEP notes that tetrachloroethene (PCE), trichloroethene (TCE) and dieldrin are reported as present at the GWTS and discussed in this section but these contaminants are not discussed in the remainder of the Deliverable. Based upon a review of the data, the source of dieldrin is unclear to NDEP. It appears there may be a source of PCE/TCE near well EC-03. In addition, it appears that there are elevated concentrations of PCE in the Middle Zone. Since the PCE is travelling off-site in at least the Shallow Zone at concentrations above the USEPA MCL, please explain how and when the nature and extent of contamination will be assessed. In addition, please explain the plans to identify and quantify the sources of these contaminants.*

Response: Tetrachloroethene (PCE), trichloroethene (TCE) and dieldrin data for the second quarter 2012 are presented in Table B-1. Figures B-1 and B-2 illustrate Shallow Zone PCE and TCE concentrations, respectively.

Regarding TCE and PCE concentrations; although several samples have elevated detection limits, the Companies believe that there are data that adequately define the nature and extent of Shallow Zone PCE and TCE in the study area. A source of PCE and TCE may be present near monitor well EC-3. However, review of Figures B-1 and B-2 indicate that PCE and TCE were either not detected or were detected at concentrations less than their MCLs in wells located along the eastern and western margins of the study area. PCE and TCE are present in groundwater treatment system (GWTS) area extraction wells, however, with the possible exception of the monitor well PC-67 area (see below), PCE and TCE are not migrating in the Shallow Zone downgradient of the GWTS at concentrations greater than their MCLs. The GWTS is effective in removing PCE and TCE from Shallow Zone groundwater. The Companies do not believe that any additional PCE or TCE assessment is needed.

PCE has been present at well PC-67 at concentrations greater than the MCL since 2006. PCE has been stable at concentrations ranging from 14 to 20 µg/l. Well PC-67 is the easternmost Shallow Zone well sampled as part of the Companies monitoring program (Figure B-1). Groundwater flow to this well appears to be predominantly from areas east of the OSSM study area based on recent and previous Shallow Zone water level contour maps (Main text Figure 2). Therefore there is some uncertainty on the source area for the PCE at well PC-67. However, the Companies will continue to monitor PCE at well PC-67 and present data to NDEP in future comprehensive groundwater reports.

Detection limits for samples collected from Middle Zone monitor wells are similarly elevated at several locations; however, the available data indicate that concentrations of PCE and TCE in the Middle Zone are generally low and sporadic.

As noted above in the response to Comment No. 2.b, the nature and extent of contamination in the Middle Zone are being assessed as part of the Companies' Upper Muddy Creek Formation program.

Regarding dieldrin concentrations, the table below summarizes all dieldrin BCL exceedences to date:

Location	Sample Date	Parameter	Results	Units
Well-G	4/8/2011	Dieldrin	0.075	micrograms per liter
Well-G	4/13/2012	Dieldrin	0.048	micrograms per liter
Well-K2	4/8/2011	Dieldrin	0.049	micrograms per liter
Well-K2	4/13/2012	Dieldrin	0.045	micrograms per liter

Review of these data indicates that dieldrin is present at concentrations exceeding the BCL of 0.0042 µg/l only at two extraction wells located in the eastern portion of the GWTS in 2011 and 2012. However, the BCL concentration is very low and detection limits are slightly greater than the BCL.

Based on the limited number of known exceedences of the BCL and on the low overall concentrations detected to date, the Companies do not believe that additional investigation into possible sources of dieldrin is needed. Additionally, groundwater withdrawn by these extraction wells is treated by the liquid granular activated carbon (LGAC) system within the GWTS. The Companies will continue to monitor dieldrin concentrations and present data to NDEP in future reports.

7. *Section 2.3.2 Capture, page 12, the NDEP has reviewed the referenced documents and including the Second Quarter 2012 Groundwater Treatment System, Attachment C, Capture Evaluation. The discussion of plume capture at the OSSM GWTS is brief and lacks supporting documentation via figures included herein. The NDEP provides the following comments with regards to the Second Quarter 2012 Deliverable:*
   a. *Attachment C, page C-2, Section1.3 Capture Evaluation Results, bottom of page, the NDEP notes that additional particles were released between extraction wells C and J to further evaluate capture. However, NDEP requires further evaluation including the area between extraction wells J and D-2 via the release of additional particles. Please refer to Figure C-4 in the subject Deliverable.*

<u>Response</u>: Capture issues are reported and discussed with NDEP within the quarterly GWTS operations reports. This comment was addressed by the Companies in the third quarter 2012 operations report. This report was submitted to NDEP on November 15, 2012.

As to the discussion of capture in the 2012 Comprehensive Groundwater Report, the discussion was included solely to provide the reader with an overview of capture at the GWTS.

It was not intended to duplicate the significantly more detailed discussion provided in the GWTS operations reports, which will be cited in future comprehensive reports.

b. *Attachment C, page C-2, Section1.3 Capture Evaluation Results, bottom of page, the NDEP notes that both the triangular network (Figure C-3) and KT3D_H2O maps (Figure C-4) clearly show an area of incomplete capture between wells C and P. Please revise text accordingly.*

<u>Response</u>: This comment was also addressed by the Companies in the 3Q12 operations report.

8. *Table 6 Shallow Zone Water Quality Data – 2012 Compound Prevalence, please compare the detection limits to the USEPA MCLs and NDEP BCLs in future Deliverables.*

<u>Response</u>: Color shading will be added to chemical prevalence tables that will denote detection limits as being either less than or greater than MCLs or BCLs in future reports.

9. *Figure 1 Study Area; please provide a citation for the depiction of the downgradient study area and NDEP's approval of this definition. If this definition of the downgradient study areas has not been approved by the NDEP, please refrain from include this designation in future Deliverables until such time as approved by the NDEP. Additionally, please note that the study area is not determined by arbitrary boundaries as depicted on Figure 1. Rather study site boundaries are determined by the extent of SRCs (contaminants) to their respective MCL and/or BCL to the east and west, and to the north by Las Vegas Wash. Additionally, the downgradient area as shown in Figure 1 is inconsistent with the OSSM Conceptual Site Model (Hargis, 2008). Furthermore, the NDEP has previously indicated that the downgradient area must be extended to the Las Vegas Wash.*

<u>Response</u>: Future reports will define the study area as shown in Figure C-1. This study area was developed for the Remedial Alternatives Study (RAS) Process Document and is based on the figure presented in the conceptual site model. The Companies received approval of the RAS Process Document, which included this figure, in a letter from NDEP dated April 13, 2010.

10. *Figure 5, April 2012 Vertical Head Differences, please provide a figure showing the locations of wells used for vertical head differences.*

<u>Response</u>: A figure illustrating the wells where water level data are used to calculate vertical head differences will be added to future reports.

11. *Figures 6 through 16 Contaminant Iso-Contour Maps Shallow Zone Second Quarter 2012, the Deliverable states that "While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2012." The groundwater plume contaminant contours are limited by the lack of use of off-site data and by not extending the downgradient area to the Las Vegas Wash. The extent of groundwater contaminant plume is not defined cross gradient (east and west) and downgradient. Please discuss how the Companies will address this data gap in future Deliverables.*

Response: The Companies incorporated all groundwater data that was available from nearby properties into comprehensive groundwater reports. The adjacent properties, AMPAC and the Nevada Environmental Response Trust (NERT), typically do not collect groundwater samples for VOC or other organic compound analyses. However, inorganic water quality data were available. The inorganic data were incorporated into the comprehensive groundwater report as illustrated in Main Text Figures 16 and 17.

Data from the BRC corrective action management unit (CAMU) monitoring program were not available during the preparation of the comprehensive groundwater report (Note: it is the Companies' understanding that BRC ultimately did not conduct this monitoring in 2012). This resulted in a lack of data for the area located between the Companies' former and current plant sites and the GWTS area. Chemical contours for this area were therefore based solely on the data generated by the Companies. This was the intent of the statement made on the figures.

12. *Figure 6 Benzene Shallow Zone, the NDEP does not agree that the concentrations in well MC-50 are accurately depicted as not connecting to the upgradient source area as there is no data between these points. This comment also applies to Figure 7, well MC-49. Please discuss how and when this data gap will be addressed.*

Response: The Companies believe that benzene concentrations are accurately depicted. Shallow Zone monitor well MC-09R is located between the upgradient source area and monitor well MC-50. Benzene was not detected at a concentration greater than 2.0 micrograms per liter (µg/l) in well MC-09R. This data point indicates that the elevated concentrations of benzene upgradient of the GWTS do not extend through the wellfield and recharge trenches to monitor well MC-50.

Data from nearby monitor wells MC-113 and MC-114 were also used to interpret benzene conditions in this area. Benzene was either not detected or detected at concentrations less than the MCL at these locations. This indicates that elevated concentrations of benzene present at well MC-50 do not extend further downgradient of wells MC-113 and MC-114.

The Companies also believe that chlorobenzene concentrations are accurately depicted. However, unlike the benzene conditions described above, there are no data points available between the GWTS wellfield, recharge trenches, and monitor well MC-49. Therefore, there is some uncertainty and the contour lines around well MC-49 were dashed to indicate to the reader that the contour lines are inferred from available data.

13. *Figures 18 through 29 Contaminant Iso-Contour Maps Middle Zone Second Quarter 2012, the Deliverable states that "While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2012." The NDEP requests that data off-site from OSSM be added to these figures. Also, NDEP believes that there is sufficient groundwater data information to develop contaminant contours for the Middle Zone. Please discuss how the Companies will address this data gap in future Deliverables.*

<u>Response</u>: Re: first portion of NDEP comment: please refer to the response to NDEP Comment No. 11.

Re: second portion of NDEP comment: The Companies feel that contouring the Middle Zone water quality figures may produce unreliable interpretations as the data from these wells are from various areas and depths within the Middle Zone. Examples of this include the Middle Zone wells installed in the GWTS area with screened intervals extending from generally less than ten feet into the Muddy Creek formation and dense non-aqueous phase liquid (DNAPL) reconnaissance wells in the plant site areas with screened intervals extending several tens of feet into the Muddy Creek formation. Contouring data from different intervals within the Muddy Creek formation may result in misleading characterizations of the distribution of certain chemicals.

14. *Figure 18 Benzene Middle Zone, based upon the concentrations in wells MC-MW-36 and MC-MW-38, additional delineation appears to be necessary downgradient of the site. Please discuss how and when this data gap will be addressed.*

<u>Response</u>: The nature and extent of contamination in the Middle Zone are being addressed as part of the Companies' Upper Muddy Creek Formation program (please refer to the response to Comment No. 2.b.

15. *Figure 27 Uranium Middle Zone, based upon the concentrations in wells MC-MW-35 and -37, additional delineation appears to be necessary downgradient of the site. Please discuss how and when this data gap will be addressed.*

<u>Response</u>: The nature and extent of contamination in the Middle Zone are being addressed as part of the Companies' Upper Muddy Creek Formation program (please refer to the responses to Comment No. 2.b and 14).

TABLES

TABLE A-1
AA-MW-13 and AA-MW-13R WATER LEVEL DATA

Location ID	Measurement Date	Referecnce Elevation (ft amsl)	Groundwater Measurement (ft bmp)	Groundwater Elevation (ft amsl)	Water Bearing Zone	Comments
AA-MW-13	11/13/2006	1809.64	35.98	1773.66	Shallow	
AA-MW-13	1/11/2007	1809.64	34.96	1774.68	Shallow	
AA-MW-13	1/19/2007	1809.64	35.14	1774.5	Shallow	
AA-MW-13	4/18/2007	1809.64	36.2	1773.44	Shallow	
AA-MW-13	4/23/2007	1809.64	36.17	1773.47	Shallow	
AA-MW-13	7/9/2007	1809.64	36.4	1773.24	Shallow	
AA-MW-13	7/13/2007	1809.64	36.64	1773	Shallow	
AA-MW-13	1/24/2008	1809.64	53.03	1756.61	Shallow	Sand material located within casing
AA-MW-13	4/3/2008	1809.64	34.76	1774.88	Shallow	
AA-MW-13	7/8/2008	1809.64	35.3	1774.34	Shallow	Secure
AA-MW-13	10/24/2008	1809.64	35.62	1774.02	Shallow	
AA-MW-13	4/15/2009	1809.64	36.53	1773.11	Shallow	
AA-MW-13	7/15/2009	1809.64	34.51	1775.13	Shallow	
AA-MW-13	10/14/2009	1809.64	34.22	1775.42	Shallow	
AA-MW-13	4/21/2010	1809.64	34.68	1774.96	Shallow	
AA-MW-13	4/11/2011	1809.64	33.51	1776.13	Shallow	
AA-MW-13R	4/24/2012	1808.74	38.69	1770.05	Shallow	

Notes:

ft amsl = feet above mean sea level

ft bmp = feet below measuring point

TABLE B-1

SECOND QUARTER 2012 PCE, TCE, and DIELDRIN RESULTS

Location	Sampling Program	Water Bearing Zone	Sample Date	Trichloroethene (ug/l)	Tetrachloroethene (ug/l)	Dieldrin (ug/l)
AA-BW-03A	Site Wide	Shallow	5/4/2012	**0.34**	**0.89**	<0.0048
AA-MW-05	Site Wide	Shallow	4/27/2012	<2.0	<2.0	<0.0049
AA-MW-13R	Site Wide	Shallow	5/10/2012	<800	<800	<0.050
AA-MW-14	Site Wide	Shallow	5/14/2012	<400	<400	<0.0048
AA-MW-20	Site Wide	Shallow	5/7/2012	<200	<200	<0.0047
AA-MW-24	Site Wide	Shallow	4/27/2012	<2.0	<2.0	<0.0047
AA-MW-25	Site Wide	Shallow	5/8/2012	<500	<500	<0.0048
B-01	Site Wide	Shallow	5/8/2012	<500	<500	<0.025
B-16	Site Wide	Shallow	5/8/2012	<4.0	<4.0	<0.0048
EC-03	Site Wide	Shallow	5/8/2012	<2000	**450**	<0.049
EC-04	Site Wide	Shallow	4/26/2012	<2.0	<2.0	<0.0048
EC-07	Site Wide	Shallow	5/11/2012	<800	<800	<0.024
EC-10	Site Wide	Shallow	5/1/2012	<2.0	<2.0	<0.0048
H-11	Site Wide	Shallow	4/25/2012	<2.0	<2.0	<0.0048
H-55	Site Wide	Shallow	4/30/2012	<2.0	<2.0	<0.0048UJ
M-007B	Site Wide	Shallow	5/3/2012	<2.0	<2.0	<0.0049
M-057A	Site Wide	Shallow	5/4/2012	**0.8**	**0.35**	<0.0049
M-092	Site Wide	Shallow	5/3/2012	**3.1**	<2.0	<0.0049
M-125	Site Wide	Shallow	4/25/2012	<80	<80	<0.0048
M-142	Site Wide	Shallow	4/25/2012	**2.4**	<2.0	<0.0047
MC-09R	Site Wide	Shallow	4/30/2012	<2.0	<2.0	<0.0048
MC-111	Site Wide	Shallow	5/4/2012	<2.0	<2.0	<0.0048
MC-113	Transect	Shallow	4/12/2012	<2.0	<2.0	<0.0048
MC-114	Transect	Shallow	4/12/2012	**1.9**	**2.4**	<0.0048
MC-47	Transect	Shallow	4/11/2012	<2.0	<2.0	<0.0048
MC-48	Transect	Shallow	4/11/2012	<2.0	<2.0	<0.0048
MC-49	Transect	Shallow	4/12/2012	**0.81**	<2.0	<0.0048
MC-50	Transect	Shallow	4/11/2012	<2.0	**0.4**	<0.0047
MC-53	Transect	Shallow	4/11/2012	<2.0	**1.1**	<0.0048
MW-01	CP Semi	Shallow	4/26/2012	<2.0	<2.0	<0.0048
MW-02	CP Semi	Shallow	4/26/2012	<400	<400	<0.0047
MW-03	CP Semi	Shallow	4/26/2012	<200	<200	<0.0048
MW-04	CP Semi	Shallow	4/26/2012	<20	<20	<0.0047
MW-AHX	Site Wide	Shallow	5/4/2012	<2.0	<2.0	<0.0048
MW-A-J	Site Wide	Shallow	5/1/2012	<2.0	<2.0	<0.0048
MW-R	Site Wide	Shallow	5/2/2012	<2.0	<2.0	<0.0048
PC-028	Site Wide	Shallow	5/2/2012	**0.32**	**0.38**	<0.0048
PC-031	Site Wide	Shallow	5/2/2012	**0.27**	<2.0	<0.0048
PC-064	Site Wide	Shallow	5/7/2012	**1.7**	**1.9**	<0.0048
PC-067	Site Wide	Shallow	5/3/2012	**0.52**	**17**	<0.0048
PW-01	Site Wide	Shallow	5/9/2012	<200	<200	<0.0048
WELL-C	Extraction Well	Shallow	4/13/2012	<2.0	<2.0	<0.0048
WELL-D2	Extraction Well	Shallow	4/13/2012	**70**	<5.0	<0.0048

TABLE B-1

SECOND QUARTER 2012 PCE, TCE, and DIELDRIN RESULTS

Location	Sampling Program	Water Bearing Zone	Sample Date	Trichloroethene (ug/l)	Tetrachloroethene (ug/l)	Dieldrin (ug/l)
WELL-E3	Extraction Well	Shallow	4/13/2012	**63**	<20	<0.0048
WELL-F	Extraction Well	Shallow	4/13/2012	**26**	<100	<0.0048
Well-G	Extraction Well	Shallow	4/13/2012	<400	<400	**0.048**
WELL-H2	Extraction Well	Shallow	4/13/2012	<400	**85**	<0.0048
Well-I	Extraction Well	Shallow	4/13/2012	**32**	<10	<0.0048
Well-J	Extraction Well	Shallow	4/13/2012	**12**	<4.0	<0.0048
WELL-K2	Extraction Well	Shallow	4/13/2012	**52**	**26**	**0.045**
Well-L	Extraction Well	Shallow	4/13/2012	**42**	<100	<0.0048
WELL-M2	Extraction Well	Shallow	4/13/2012	**77**	<50	<0.0048
WELL-N	Extraction Well	Shallow	4/13/2012	**59**	<5.0	<0.0048
WELL-O	Extraction Well	Shallow	4/13/2012	<100	<100	**0.0034**
WELL-P	Extraction Well	Shallow	4/13/2012	**0.88**	<2.0	<0.0048
WELL-Q	Extraction Well	Shallow	4/13/2012	**1.8**	<2.0	<0.0048
WELL-R	Extraction Well	Shallow	4/13/2012	**3.8**	<4.0	<0.0048
AGX-90	Site Wide	Middle	5/4/2012	<2.0	<2.0	<0.0050
CP-01	Site Wide	Middle	4/26/2012	<2.0	<2.0	<0.0048
DPT-01	Site Wide	Middle	5/8/2012	<800	<800	<0.0048
EC-12	Site Wide	Middle	4/26/2012	<2.0	<2.0	<0.0049
EC-13	Site Wide	Middle	5/9/2012	<2.0	<2.0	<0.0050
EC-14	Site Wide	Middle	4/27/2012	<2.0	<2.0	<0.0047
M-136	Site Wide	Middle	4/30/2012	<2.0	<2.0	<0.0048
M-149	Site Wide	Middle	4/25/2012	<2.0	<2.0	<0.0048
M-150	Site Wide	Middle	4/30/2012	<2.0	<2.0	<0.0048
MCF-BW-08	Site Wide	Middle	5/9/2012	<500	<500	<0.0048
MCF-BW-10A	Site Wide	Middle	5/9/2012	<2.0	<2.0	<0.0048
MC-MW-09	Site Wide	Middle	5/9/2012	<100	<100	<0.0047
MC-MW-10	Site Wide	Middle	5/11/2012	<400	<400	<0.0050
MC-MW-11	Site Wide	Middle	5/11/2012	<400	<400	<0.0048
MC-MW-12	Site Wide	Middle	5/11/2012	<800	<800	<0.0048
MC-MW-15	Site Wide	Middle	5/10/2012	<400	<400	<0.0048
MC-MW-17	Site Wide	Middle	4/25/2012	<80	**20**	<0.0047
MC-MW-18	Site Wide	Middle	5/11/2012	<800	<800	<0.0048
MC-MW-29	Site Wide	Middle	5/10/2012	**28**	**3.4**	<0.0048
MC-MW-30	Site Wide	Middle	5/14/2012	**7.6**	<20	<0.0047
MC-MW-31	Site Wide	Middle	5/11/2012	<40	<40	<0.0048UJ
MC-MW-32	Site Wide	Middle	5/4/2012	<2.0	<2.0	<0.0048
MC-MW-33	Site Wide	Middle	5/1/2012	<2.0	<2.0	<0.0048
MC-MW-34	Site Wide	Middle	5/7/2012	<2.0	<2.0	<0.0048
MC-MW-35	Site Wide	Middle	5/7/2012	<2.0	<2.0	<0.0048
MC-MW-36	Site Wide	Middle	5/1/2012	<2.0	<2.0	<0.0048
MC-MW-37	Site Wide	Middle	5/1/2012	<2.0	<2.0	<0.0048
MC-MW-38	Site Wide	Middle	5/7/2012	<4.0	<4.0	<0.0047
MC-MW-39	Site Wide	Middle	4/30/2012	<2.0	<2.0	<0.0048

TABLE B-1

SECOND QUARTER 2012 PCE, TCE, and DIELDRIN RESULTS

Location	Sampling Program	Water Bearing Zone	Sample Date	Trichloroethene (ug/l)	Tetrachloroethene (ug/l)	Dieldrin (ug/l)
MC-MW-41	Site Wide	Middle	5/14/2012	<8.0	<8.0	<0.0049
MC-MW-42	Site Wide	Middle	4/30/2012	<2.0	<2.0	<0.0047
DMC-MW-26	Site Wide	Deep	4/18/2012	**0.31**	<2.0	<0.0048
DMC-MW-27R	Site Wide	Deep	4/17/2012	<2.0	<2.0	<0.0048
DMC-MW-28	Site Wide	Deep	4/18/2012	<2.0	<2.0	<0.0048
MW-08	Site Wide	Deep	4/19/2012	<2.0	<2.0	<0.0048
TR-01	Site Wide	Deep	4/16/2012	<2.0	<2.0	<0.0048
TR-03	Site Wide	Deep	4/17/2012	**0.32**	<2.0	<0.0048
TR-05	Site Wide	Deep	4/20/2012	<2.0	<2.0	<0.0048
TR-07	Site Wide	Deep	4/19/2012	<2.0	<2.0	<0.0048
TR-09	Site Wide	Deep	4/19/2012	<2.0	<2.0	<0.0048
TR-11	Site Wide	Deep	4/20/2012	<2.0	<2.0	<0.0048
TR-12	Site Wide	Deep	4/16/2012	<2.0	<2.0	<0.0048

Notes:

PCE = Tetrachloroethene

TCE = Trichloroethene

All detections are **bolded**

FIGURES

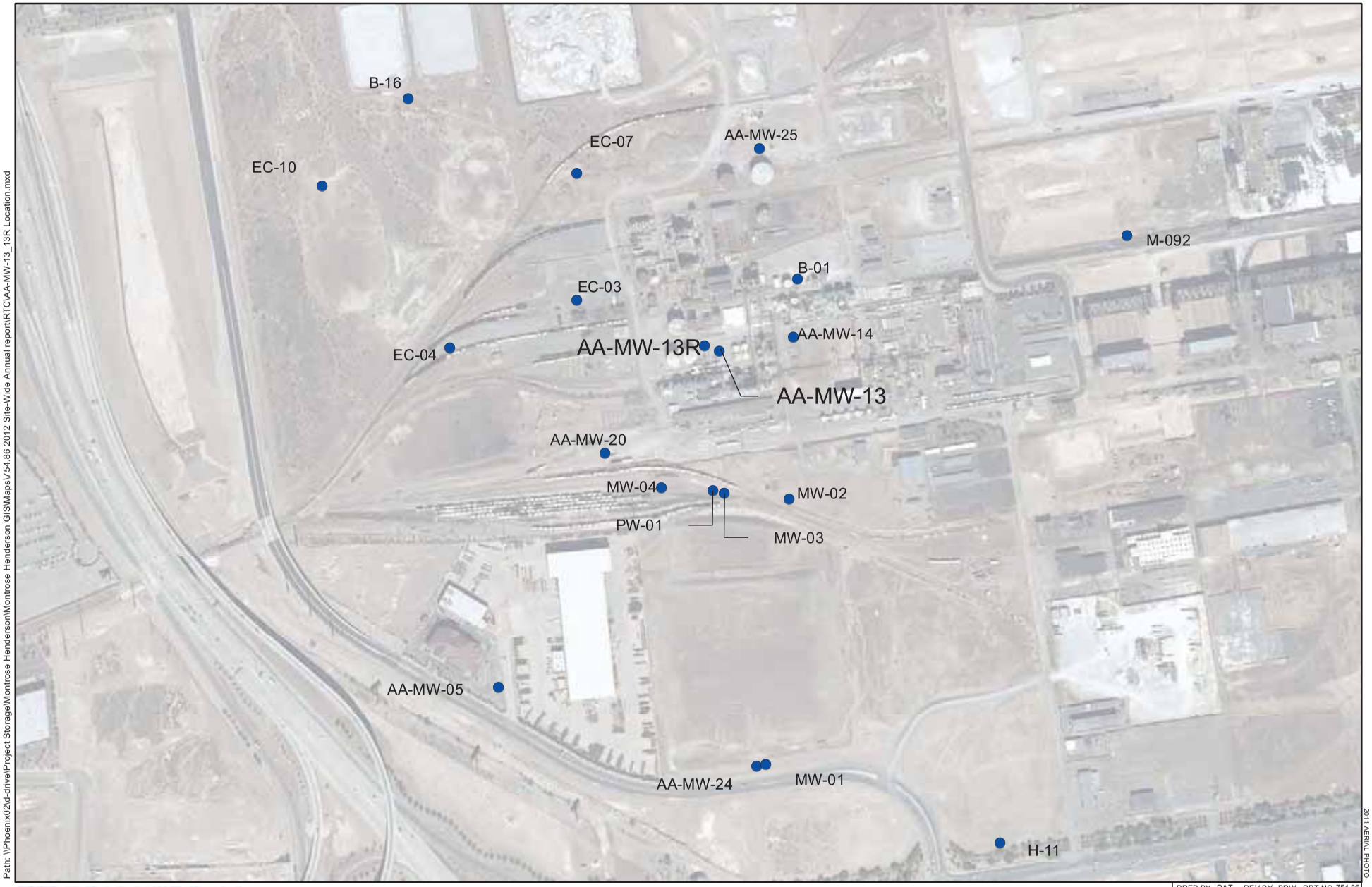

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FIGURE A-1. AA-MW-13 AND AA-MW-13R LOCATION MAP

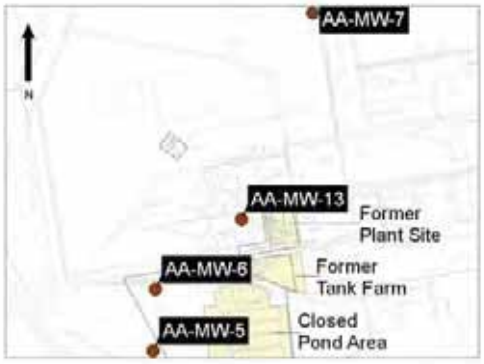
Montrose Chemical Corporation Henderson, NV

FIGURE A-2

Lithologic and well construction log: AA-MW-13

Northing 26717021.514
Easting 825332.341
LS Elev. (ft) 1809.73
Ref. Pnt. Top of casing
Ref. Pnt. Elev. (ft) 1809.64
Total Depth (ft) 70
Depth to Water (ft) 36.25
Date 9/13/2006

Drill Method RotoSonic
Sampling Method Continuous
Diameter of Casing 4"
Type of Casing PVC
Slot Size 0.020"
Filter #10-20 Sand



Depth (Feet Below Land Surface)	Lithologic Log	USCS	Lithologic Description	Well Construction	Comments
0		SW	SAND with gravel, 75% sand, 20% gravel, 5% sand, brown (7.5YR 4/4). Loose, dry angular to sub-angular. Sand is fine to coarse, gravel is fine to coarse. Occasional cobbles, maximum size 6".		Flush mounted Vault 8" diameter bore hole
5					
10					Bentonite grout from 0 - 24 feet bls
15					4" Blank PVC casing from 0 - 31.5 feet bls
20					
22		SM	Silty SAND 75% sand, 10% gravel, 15% silt, Gray (10YR 6/1). Loose, dry sub-angular grains. Sand is fine to coarse, with occasional coarse gravel		
25		SW	SAND with gravel 75% sand 25% gravel, Brown (7.5YR 5/3). Loose faintly moist, sub-angular. Sand is fine to coarse, gravel is fine to coarse. Multicolored sand and gravel grains.		Bentonite chips from 24 - 27 feet bls # 60 Sand from 27 - 29 feet bls
30		ML	Sandy SILT 60% silt, 40% sand, light brown (7.5YR 6/3). Dry, angular grains. Sand is fine to coarse.		

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PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By BRW

Lithologic and well construction log: AA-MW-13

FIGURE A-2

Depth (Feet Below Land Surface)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
35		SW	Well graded SAND 97% sand 3% gravel brown (7.5 YR 4/4). Loose moist sub-angular grains. Fine to coarse sand.		10x20 Sand filter pack from 29 - 61.5 feet bls
		ML	SILT 100% silt, brown (7.5YR 4/6 - 5/6). Low plasticity, moist, firm.		
40					0.010" slot 4" PVC screen from 31.5 - 61.5 bls
		SW	Well graded SAND 97% sand 3% gravel brown (7.5 YR 4/4). Loose moist sub-angular grains. Fine to coarse sand.		
45		CL	Silty CLAY 100% silt brown (7.5YR 4/6). Low to medium plasticity, moist, firm At 61 feet and increase in plasticity and stiffness occurs		
50					
55					
60					Bentonite chips from 61.5 - 70 feet bls
					4" PVC DNAPL trap from 61.5 - 65 feet bls
65					Flush threaded end cap
70					Total Depth = 70 feet bls

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PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By BRW

DRAFT

Converse Consultants

AA-MW-13R

de maximis REPLACEMENT MONITORING WELL

Olin Corporation

Henderson, Nevada

Well Name:	AA-MW-13R
Latitude	26717021.514
Longitude	825332.341
Start Date:	8-25-11
End Date:	9-1-11
Project Number:	11-43101-01

Surface Elevation:	1,809.64'
Log Depth:	65'
Drill Method:	Sonic 8" Diameter
Geologist:	M. Thompson
Drilling Contractor:	Boart Longyear
Static Water Level:	38.42'

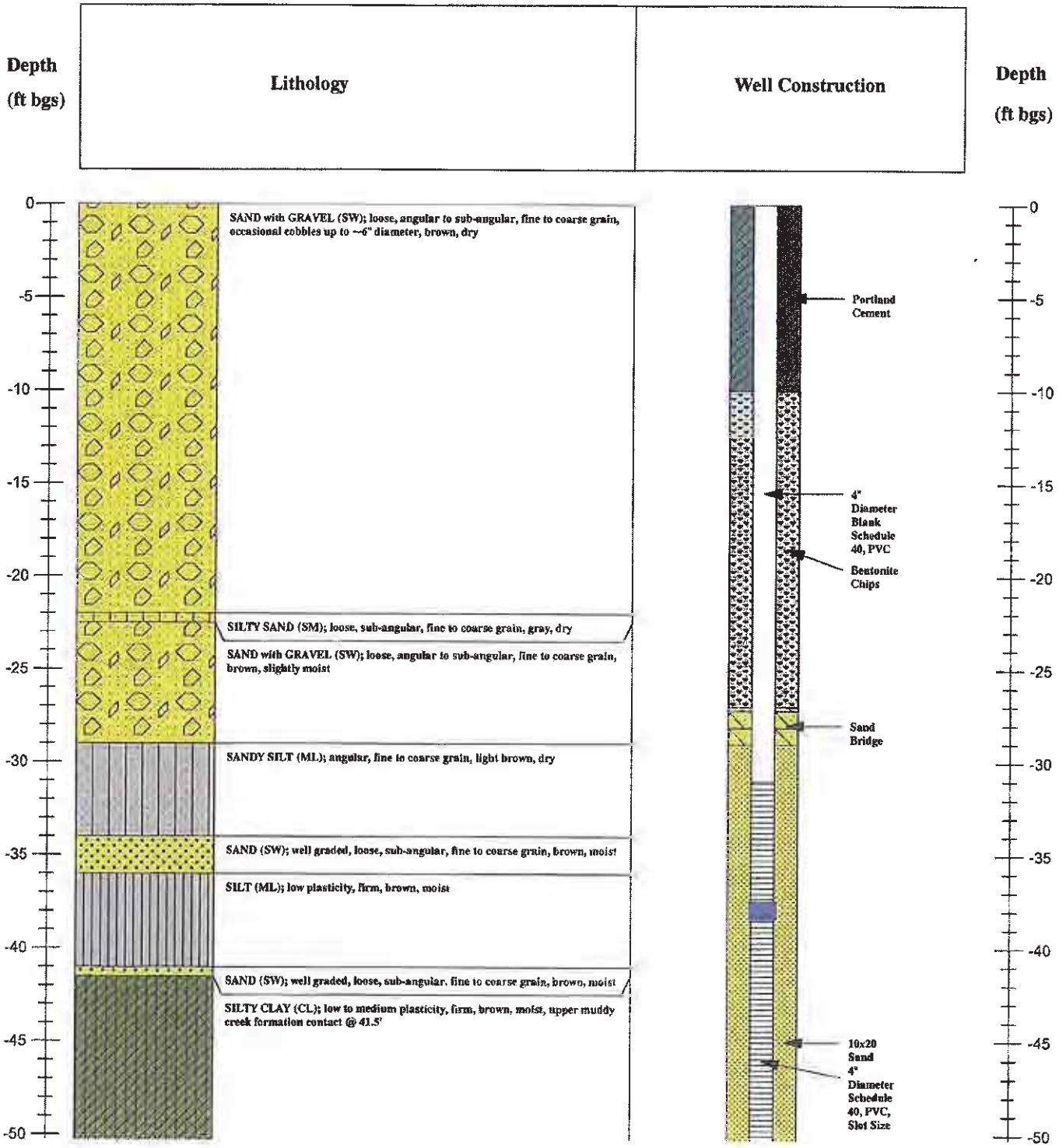

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FIGURE A-3

DRAFT

Converse Consultants

AA-MW-13R

de maximis REPLACEMENT MONITORING WELL

Olin Corporation

Henderson, Nevada

Well Name:	AA-MW-13R
Latitude	26717021.514
Longitude	825332.341
Start Date:	8-25-11
End Date:	9-1-11
Project Number:	11-43101-01

Surface Elevation:	1,809.64'
Log Depth:	65'
Drill Method:	Sonic 8" Diameter
Geologist:	M. Thompson
Drilling Contractor:	Boart Longyear
Static Water Level:	38.42'

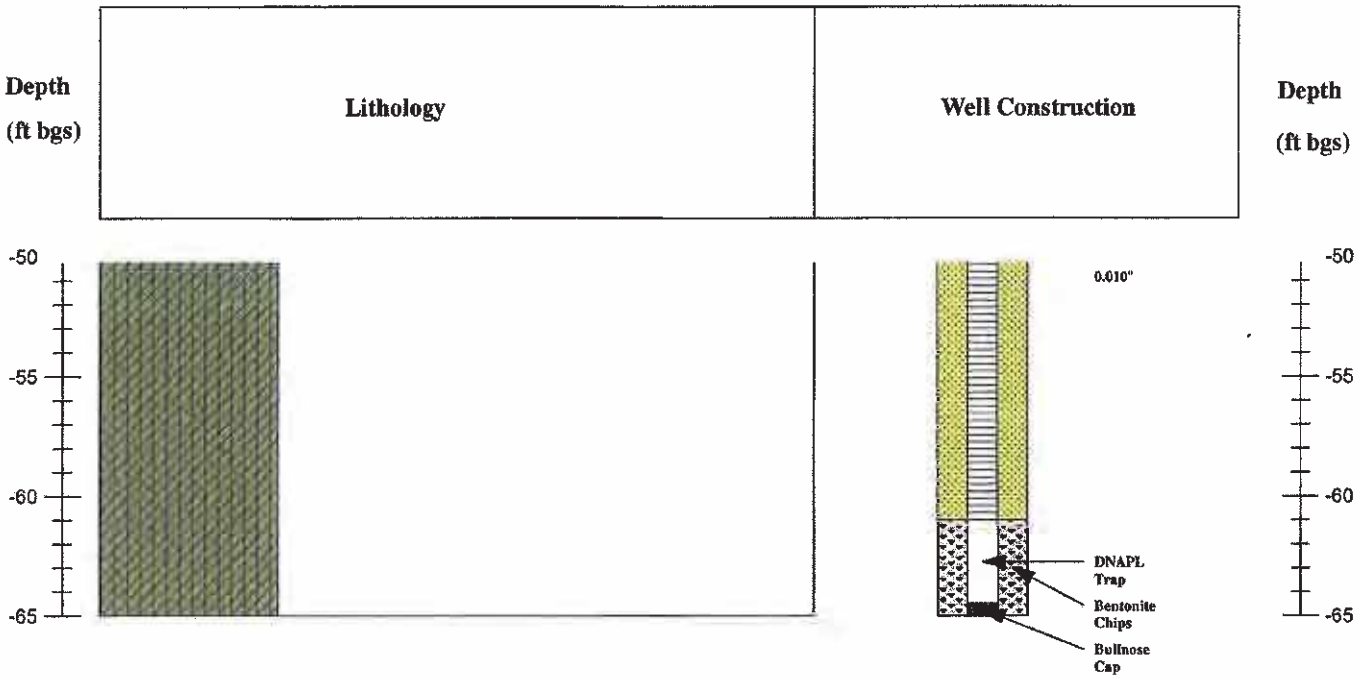

FIGURE A-3

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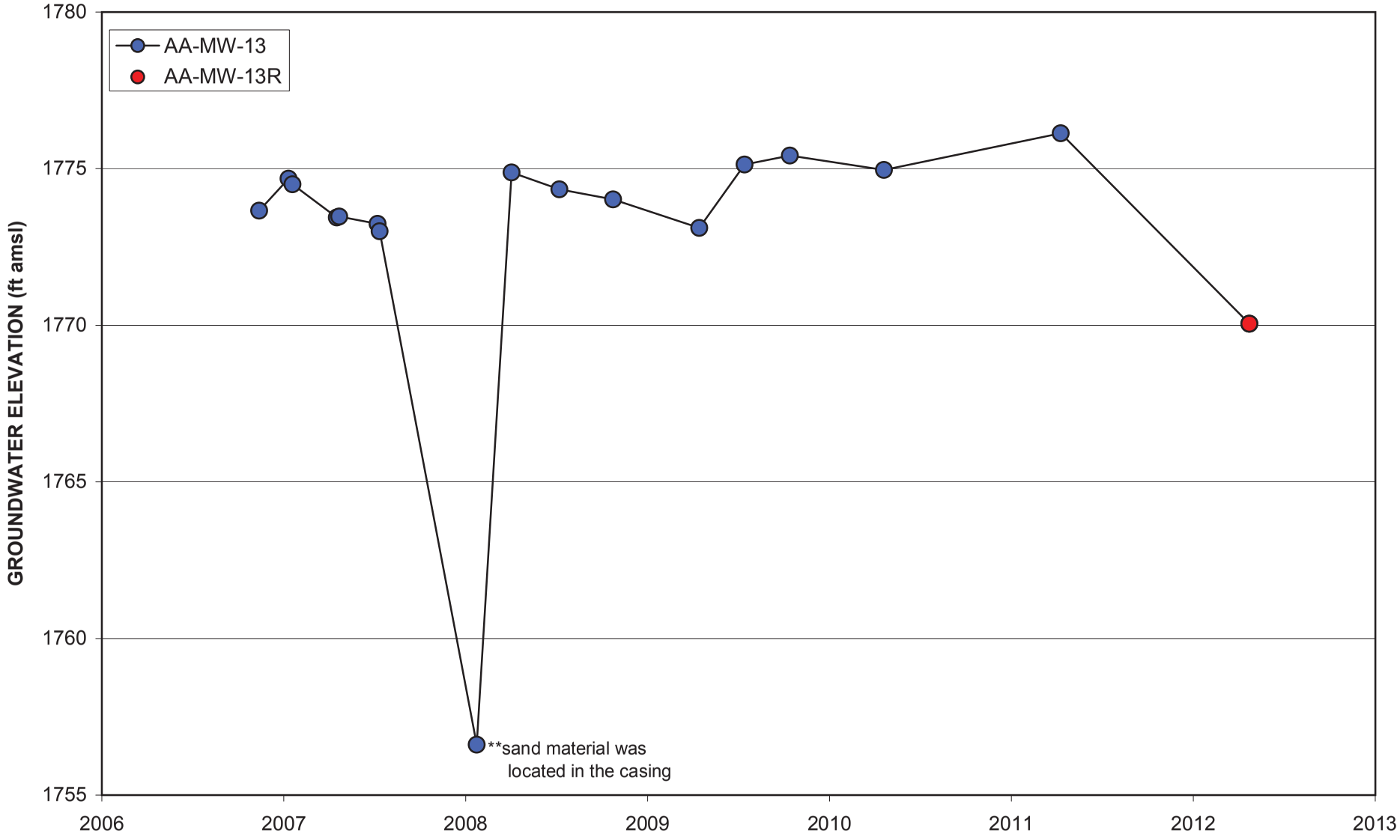

FIGURE A-4 GROUNDWATER ELEVATIONS MONITOR WELLS AA-MW-13 AND AA-MW-13R

Notes:
ft amsl = feet above mean sea level

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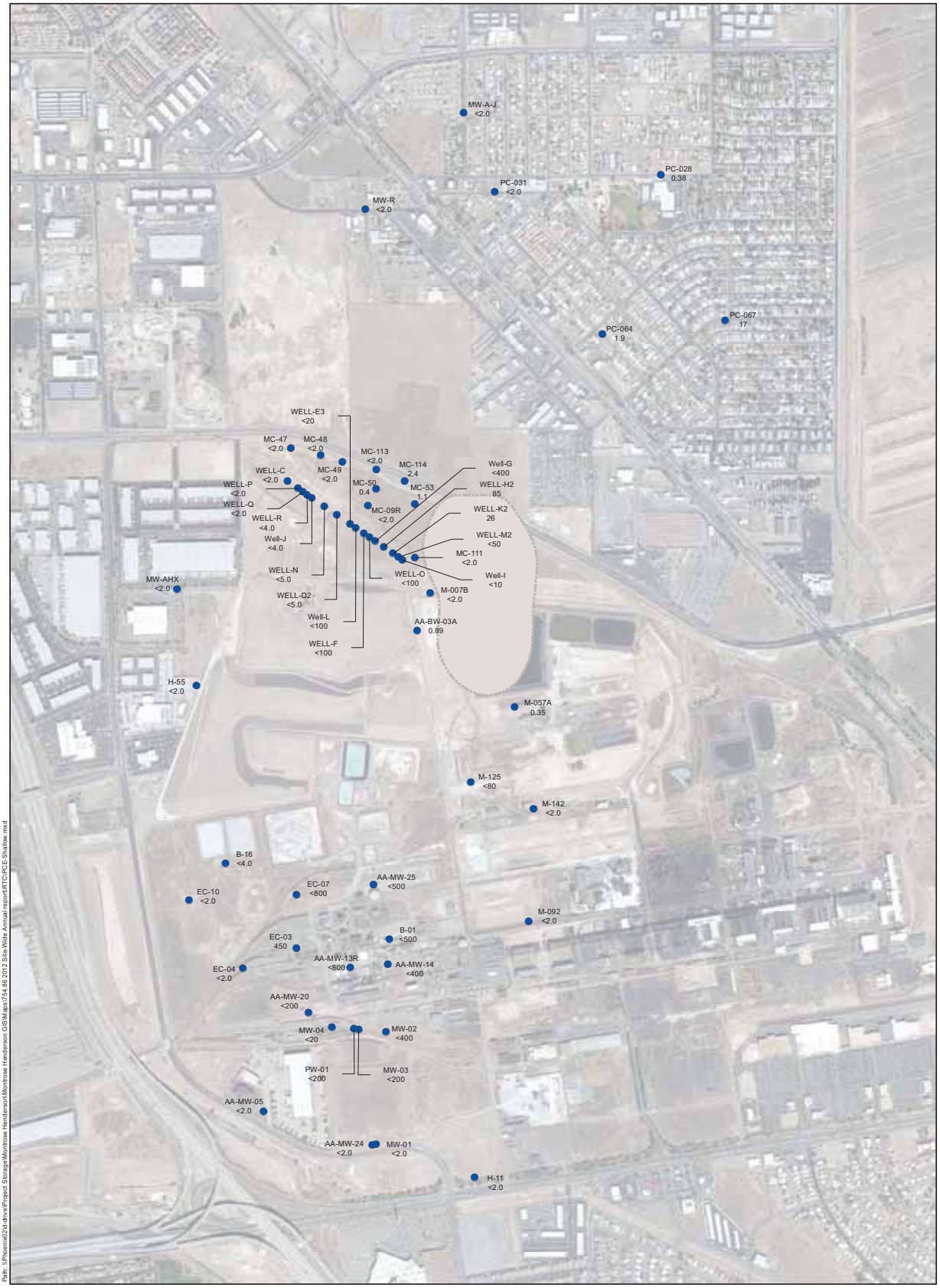

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2011 AERIAL PHOTO

EXPLANATION

BENZENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

● H-11 <2.0	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2012
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2012.

2012 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

TETRACHLOROETHENE
SHALLOW ZONE
SECOND QUARTER 2012

HARGIS + ASSOCIATES, INC
HYDROGEOLOGY / ENGINEERING

2/1/2013

FIGURE B-1

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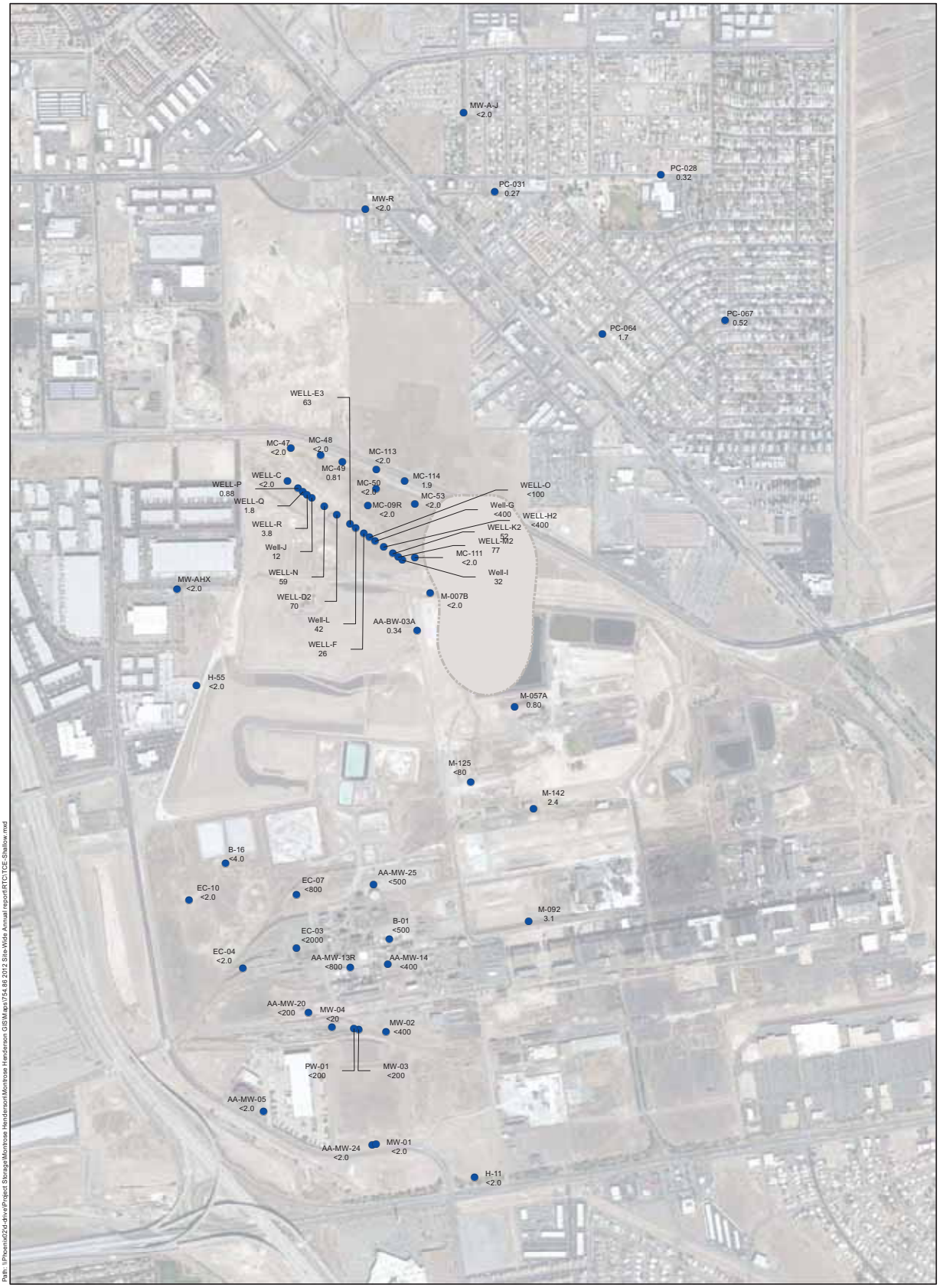

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2011 AERIAL PHOTO

EXPLANATION

TRICHLOROETHENE CONCENTRATION (ug/l)
EPA METHOD: 8260B

● H-11 <2.0	MONITOR WELL IDENTIFIER CONCENTRATION IN MICROGRAMS PER LITER SECOND QUARTER 2012
<	LESS THAN; COMPOUND WAS NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
ug/l	MICROGRAMS PER LITER
	AREA OF UNCERTAIN SHALLOW ZONE SATURATION

N

0 500 1,000
Feet

Note:
While additional data may be available from other BMI area companies, these maps were prepared based on water quality data generated by the OSSM companies in 2012.

2012 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

TRICHLOROETHENE
SHALLOW ZONE
SECOND QUARTER 2012

HARGIS + ASSOCIATES, INC
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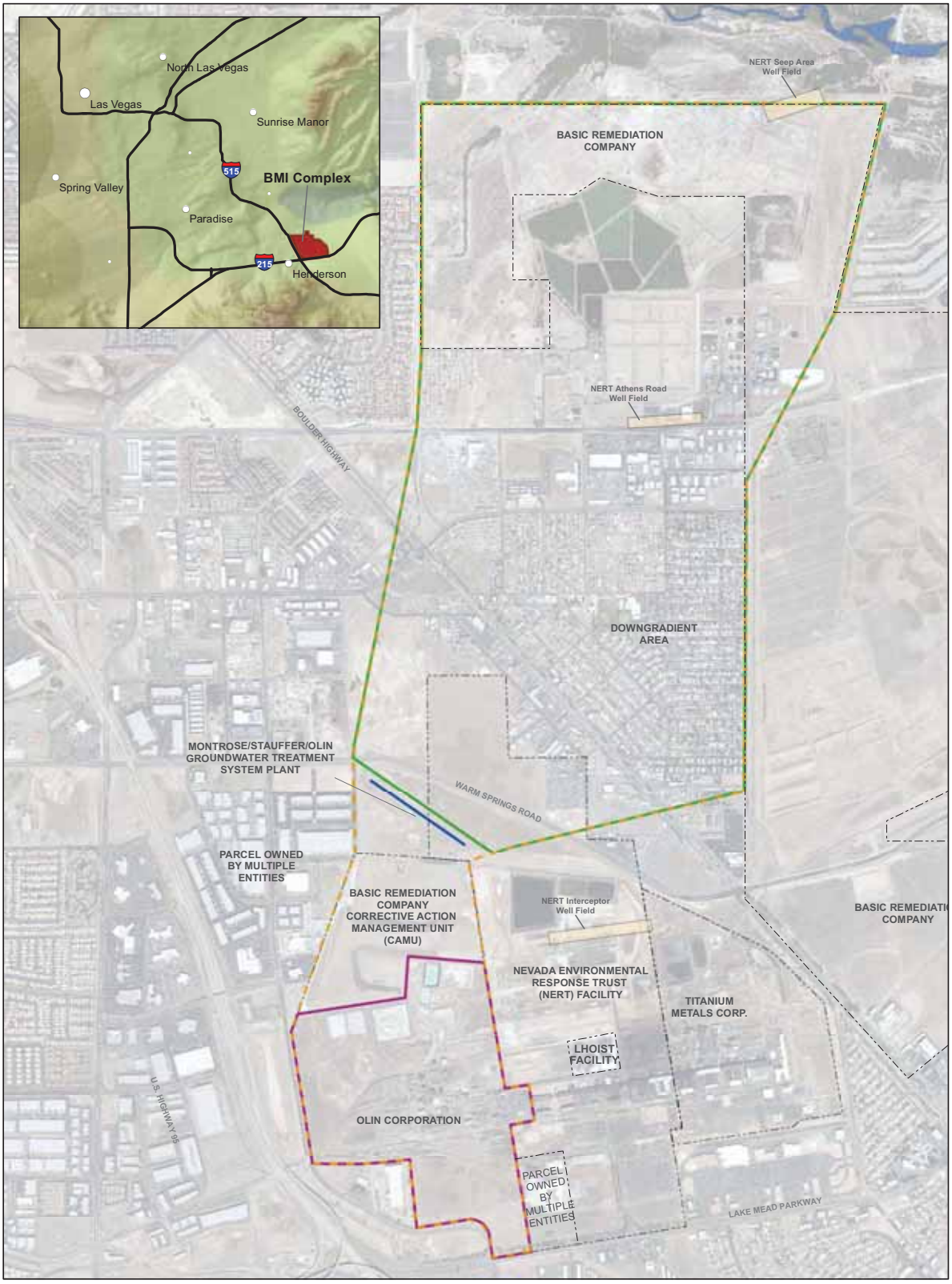
2/1/2013

FIGURE B-2

PREP BY DAT REV BY BRW RPT NO 754.86



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EXPLANATION

- OSSM GWTS Extraction Well Line
- Study Area Boundary
- Olin Site Boundary
- Downgradient Area
- Property Boundaries
- Las Vegas Wash

N

0 800 1,600 Feet

2012 COMPREHENSIVE DATA EVALUATION
MONTROSE, STAUFFER AND OLIN SITES
HENDERSON, NEVADA

STUDY AREA

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2/12/2013

FIGURE C-1

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