

AP-111

AGWMR
(1 of 5)

2015



**Marathon
Petroleum Company LP**

October 24, 2019

Mr. John E. Kieling, Chief
New Mexico Environmental Department
2905 Rodeo Park Drive East, Bldg. 1
Santa Fe, NM 87505-6303

**RE: Response to Second Disapproval
Work Plan 2015 Annual Groundwater Report Comments
Marathon Petroleum Company LP, Gallup Refinery
(dba Western Refining Southwest, Inc.)
EPA ID# NMD000333211
HWB-WRG-18-012**

Dear Mr. Kieling:

Marathon Petroleum Company LP (dba Western Refining Southwest, Inc.) Gallup Refinery is submitting the enclosed responses to your comments dated August 23, 2019 on the referenced Work Plan. If there are any questions, please call Brian Moore at 505-726-9745.

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,
Marathon Petroleum Company LP, Gallup Refinery

A handwritten signature in black ink that reads 'Robert S. Hanks'.

Robert S. Hanks
Refinery General Manager

Enclosure

cc K. Van Horn NMED
C. Chavez NMOCD
B. Moore Marathon Gallup Refinery

RESPONSE TO COMMENTS
August 23, 2019 Second Disapproval, Response to Disapproval Work Plan 2015 Annual
Groundwater Report
(June 2019)

NMED Comment 1:

The Permittee did not include a red-line strikeout (RLSO) version of the revised Work Plan as required by the January 28, 2019 Disapproval. This is a recurring issue in recent submittals (e.g., Comment 1 in NMED's *Disapproval Facility Wide Ground Water Monitoring Work Plan - Updates for 2019*, dated July 12, 2019). Failure to provide a RLSO version slows review, creates the potential for changes to be overlooked, and the inability to identify changes to a document can be misleading. Include a RLSO version of the revised Work Plan with the revised Work Plan.

MPC Response 1:

The comment is acknowledged.

NMED Comment 2:

The Permittee's response to NMED's Disapproval Comment 3 states, "[c]onsidering the latest information available (i.e., data collected since preparation of the 2015 Annual Groundwater Monitoring Report for which these comments originated), we believe the groundwater gradient within the Chinle/Alluvial interface zone is accurately reflected in a regional sense as shown on Figure 10 of the 2015 Annual Groundwater Monitoring Report." Figure 2 (Chinle/Alluvial Interface Potentiometric Map North) and Figure 2A (Chinle/Alluvial Interface Potentiometric Map West) separately present groundwater flow directions in the northern and western portions of the Facility and the flow directions appear to be accurate. The depiction of the groundwater contours in two different figures at two different scales is not as helpful as a figure showing the overall area of interest. Provide a figure that presents the groundwater flow direction rather than two separate figures and include the water level data collected from the newly installed wells. If actual data is not available to draw contour lines in some areas, use dashed lines to indicate that the groundwater contours are estimated.

MPC Response 2:

The requested figure that includes the entire site is enclosed in new Appendix E. This same figure is also provided in the Annual Groundwater Monitoring Reports each year for reference and this particular figure came from the 2018 Report.

NMED Comment 3:

The Permittee's response to NMED's Disapproval Comment 3 states, "[a]s shown on Figure 10, while the groundwater flows in a generally northerly direction in the area of northeast corner of the tank farm towards OW-50 and OW-52, the gradient is expected to shift more to the northwest as you move further west near OW-56." The referenced figure (Figure 10 of the *2015 Annual Groundwater Monitoring Report*) does not depict OW-56; therefore, the accuracy of the statement cannot be verified. Provide a figure that supports the statement. The figure required by Comment 2 above, may be adequate. In addition, provide further information regarding the groundwater gradient shifting from north to northwest near OW-56; it appears that there is not enough data to demonstrate a shift in the gradient based on the information provided in the Work Plan.

MPC Response 3:

The figure (Figure 10) provided in response to Comment 2 above includes OW-56 and all other currently available information on the groundwater gradient in this area. As we stated, the gradient is expected to

shift more to the northwest. There is no “further” information currently available other than what is shown on Figure 10.

NMED Comment 4:

The Permittee's response to NMED's Disapproval Comment 3 states, "[t]he statement on page 1-1 is revised to note the northerly gradient is limited in areal extent and that the gradient is anticipated to be more to the northwest as you move further west." Since the RLSO version was not submitted, the referenced revision on page 1-1 cannot clearly be identified (see Comment 1). Ensure that all revisions are included in the RLSO version of the revised Work Plan.

MPC Response 4:

The comment is acknowledged and a redline strikethrough version of the report is enclosed.

NMED Comment 5:

The Permittee's response to NMED's Disapproval Comment 3 states, "[w]e believe that the wells as depicted in Figure 25 of the aforementioned Investigation Report [*Investigation Report North Drainage Ditch and OW-29 & OW-30 Areas*] will help to address NMED's concern stated above that "The MTBE plume is likely migrating toward [the] west rather than north." These proposed wells are included in the *Investigation Work Plan North Drainage Ditch Area* (April 2019)." In the June 24, 2019 *Disapproval of the Investigation Work Plan North Drainage Ditch*, NMED directed the Permittee to change the proposed well locations. NMED still believes the location of the wells proposed in the North Drainage Ditch Work Plan are too far away from both the North Drainage Ditch and wells OW-54 and OW-55 to provide meaningful data. Propose to install wells to the west of wells OW-53, OW-54, and OW-55.

MPC Response 5:

In response to NMED's other related comments (dated June 24, 2019) on the *Investigation Work Plan North Drainage Ditch Area*, the earlier proposed locations were revised as directed. That resulted in the removal of a well that was proposed west of OW-55 and the inclusion of a new location west of OW-54. No well has been proposed immediately west of OW-53, as that well has remained dry since it was installed in May 2016. The revised *Investigation Work Plan North Drainage Ditch Area* was recently submitted to NMED and OCD for review on October 1, 2019. We will await comments on that Work Plan and then address the requests for more wells, which appear to supplement the comments dated June 24, 2019.

NMED Comment 6:

The Permittee's response to NMED's Disapproval Comment 5 states, "MPC is seeking clarification of NMED's directive, Permittee must ensure that no contaminants migrate further downgradient of well OW-1. Just prior to this directive, NMED acknowledges that MTBE is steadily detected below the applicable standard throughout 2017. As can be seen, the reported concentrations are very low and clearly the leading edge of the plume of detectable concentrations is near OW-1. In fact, OW-1 is currently acting as a sentinel well to ensure control of the plume as defined by the groundwater cleanup levels in Section IV.D.1 of the RCRA Post-Closure Permit. Is NMED requiring the use of groundwater standards other than what is specified in Section IV.D.1 of the RCRA Post-Closure Permit?" To clarify, the Permittee is responsible for delineating the extent of groundwater contamination, if constituents are detected above detection limits even if constituent concentrations do not exceed applicable standards. The contaminant concentrations have been detected, below the applicable standards, in groundwater samples collected from well OW-1. There is no groundwater monitoring well west of well OW-1; therefore, the extent of the plume is not currently delineated. The investigation beyond the Facility boundary is required in accordance with Permit Section IV.B.1. Comment 1 in NMED's *Disapproval Annual Groundwater Monitoring Report: Gallup Refinery- 2017*, dated March 21, 2019, requires installation of additional wells

west of these boundary wells and provides detailed instructions regarding well installations.

MPC Response 6:

The comment is acknowledged and MPC understands the current focus is on delineation.

NMED Comment 7:

The Permittee's response to NMED's Disapproval Comment 7 states, "[a]dditional discussion has been added to Section 4.2 to explain why it is appropriate to plug and abandon OW-13. This is basically due to the thick aquitard that is present in this area above the Sonsela aquifer, which should prevent vertical migration, and an evaluation of the fluid levels in the area suggesting a possible hydraulic connection between the Sonsela and Chinle-Alluvial Interface Zone aquifers." The aquitard may minimize the possibility of contaminant migration between the aquifers. However, MTBE in the groundwater samples collected from well OW-13 may or may not be from faulty well construction. Fractures within the aquitard may be a factor allowing correspondence between the aquifers. Section 4.2 discusses the level of increase in the groundwater elevation among the Sonsela wells OW-12 and OW-13 and alluvial/Chinle interface well OW-14. The Permittee recommends abandonment of well OW-13 because the level of the groundwater elevation increase in well OW-13 is similar to that of alluvial/Chinle well OW-14, rather than that of Sonsela well OW-12. However, groundwater elevations in Sonsela wells OW-12 and OW-13 are consistent with those of other Sonsela wells at the Facility according to the Sonsela groundwater elevation maps in the periodic groundwater monitoring reports. Due to the detection of MTBE in well OW-13, it is appropriate to preserve well OW-13 at this time. However, the Permittee may install a Sonsela well adjacent to well OW-13. The Permittee may propose to abandon well OW-13, if analytical results collected from the new Sonsela well confirm that the detections are caused by faulty construction of the well. In the revised Work Plan, propose to install a well adjacent to well OW-13 to evaluate the construction of well OW-13.

MPC Response 7:

The Work Plan submitted in June 2019 already includes a new well adjacent to OW-13. The Work Plan has been revised in Section 1 (page 1-2) and Section 4.2 (page 4-2) to remove the reference to plugging OW-13. It will be retained as required by NMED.

NMED Comment 8:

The Permittee's response to NMED's Disapproval Comment 7 states, "[i]n addition, a new [Sonsela] well is proposed between OW-12 and OW-13." A figure showing the location of the proposed well was not included in the Work Plan. Revise the Work Plan to include a figure that depicts the location of the proposed well.

MPC Response 8:

Figure 3 shows the location of the proposed well approximately half way between OW-12 and OW-13. After reviewing the figure, we revised it to use different symbols between the proposed Sonsela wells and proposed Alluvium/Chinle Group wells for more clarity.

NMED Comment 9:

The Permittee's response to NMED's Disapproval Comment 8 states, "Section 2 has been revised pursuant to the responses above to reference Comments 4, 5, 6, and 7." Since the RLSO version was not submitted, the referenced revision is not clearly identified (see Comment 1). Nevertheless, Section 2 (Background) was reviewed again and compared with its original text. Several issues were identified within Section 2. Address the following issues in the revised Work Plan:

a) The first paragraph of Section 2 states, "[t]hree of the wells (OW-13 replacement, new Sonsela well between OW-12 and OW-3 and new off-site Chinle/Alluvial Interface well) will be drilled in the northeast portion of the property, with one of these actually located off-site to the northeast." The Permittee must not abandon well OW-13 yet (see Comment 7 above). The Permittee may install a Sonsela well adjacent to well OW-13 to verify the detection of MTBE in groundwater samples collected from well OW-13. In addition, Comment 7 in NMED's January 28, 2019 Disapproval requires installation of a well within the Sonsela formation between well OW-12 and OW-13, rather than OW-3. It appears there is a typographical error in the Permittee's response. The referenced Comments 4, 5, 6, and 7 in the Disapproval do not require the installation of a new offsite Chinle/Alluvial Interface well. The referenced new off-site well is required by Comment 18 Item 2 in NMED's *Disapproval Annual Groundwater Monitoring Report: Gallup Refinery- 2015*, dated January 31, 2018. Revise the Work Plan for accuracy.

MPC Response 9a:

The requirement to not abandon OW-13 is acknowledged and as noted above in response to Comment 7 the Work Plan is revised accordingly. The reference to OW-3 is revised to OW-13 in Section 2 (page 2-1).

b) The third paragraph of Section 2 states, "[t]he third location is near the truck loading rack, which is considered a potential source of groundwater impacts and is also being investigated as part of Area of Concern 35. Two wells are located in this area as "shallow twin" wells to MKTF-17 and MKTF-18." The referenced proposed wells are required by Comment 40 in NMED's *Disapproval Annual Groundwater Monitoring Report: Gallup Refinery- 2015*, dated January 31, 2018. The statement is not relevant to Comment 4, 5, 6, or 7 of the Disapproval, which is referenced in the Response. For clarity, reference the NMED comment numbers that provide relevant direction in the revised Work Plan.

MPC Response 9b:

The comment is acknowledged and searching the Work Plan, we find that Comment 40 in NMED's comment letter of January 31, 2018 is correctly referenced in Section 1. No revision is made to the Work Plan.

c) NMED's Disapproval Comment 4 (replacement of RW-2) and Comment 5 (new wells west of OW-1) are not addressed in Section 2. Section 2 must be revised to address Disapproval Comments 4 and 5.

MPC Response 9c:

As MPC received approval of the proposed recovery system on August 6, 2019 in the area of RW-2, including installation of a recovery pump at the bottom of RW-2, there will be very little water present in an immediately adjacent well. It will be an absolute waste of resources to drill a well beside RW-2. The water level will be depressed below the top of the screen in RW-2, allowing the presence of phase-separated hydrocarbon to be measured if any is present without any potential interference of a "submerged" well screen. In addition, the volume of product measured that is recovered from RW-2 will be more informative than any possible fluid levels from a new adjacent monitoring well. We welcome an opportunity to discuss this with the NMED in our next project meeting and have not yet made the requested addition of another well pending the outcome of those discussions.

As requested, to address prior Comment 5, new wells have been added to the west of OW-1 and this is included in Section 1 (page 1-2), Section 2 (page 2-1), Section 4 (page 4-1 and 4-2), and Figure 4. Well logs for OW-1, BW-4A and BW-4B have been added to Appendix A.

NMED Comment 10:

The Permittee's response to NMED's Disapproval Comment 9 states, "[t]he water levels to which NMED refers are the water levels that exist under confined conditions at MKTF-17 and MKTF-18 and are not necessarily reflective of water levels in the upper fill materials." Appendix A (Boring Logs) includes borings logs of MKTF-17 and 18. It is not clear what observation in the soil boring log constitutes "confined conditions". The Permittee suggests there are two separate water bearing zones within 20 feet bgs; however, it is likely that the two-separate water bearing zones are hydraulically connected. If the Permittee installs wells that are screened to only ten feet bgs as proposed, the wells may not produce sufficient groundwater. Propose to install replacement wells with comparable depths to the original wells with longer screens that intersect the water table in the revised Work Plan.

MPC Response 10:

First, we will address NMED's statement, "It is not clear what observations in the soil boring logs constitutes "confined conditions." The soil boring logs for MKTF-17 and MKTF-18 show similar geology (i.e., stratigraphic intervals) in the upper 25 and 27 feet, respectively. Fill is logged to a depth of 8 feet below ground level (bgl) at MKTF-17 and 10 bgl at MKTF-18. In both borings, the lower two feet of the fill material is saturated. Below the fill material, a high plasticity firm to stiff clay is logged to a depth of 20 feet in MTKF-17 and 23 feet in MKTF-18. Beneath the clay at MKTF-17 a sandy clay with saturated sand seams grades to a saturated silty clayey gravel from 20 to 23 feet bgl that is underlain by firm to stiff damp clay. A similar sequence is present at MKTF-18 with saturated sandy clay/clayey sand extending from 23 to 26 feet bgl that is underlain by damp sandy clay. The well screen and overlying sand pack in MKTF-17 extends from the 12 feet to 25 feet bgl, providing hydraulic connection to the saturated interval from 20 to 23 feet bgl, but not to the saturation encountered in the overlying fill materials. The well screen and overlying sand pack in MKTF-18 extends from the 15 feet to 27.5 feet bgl, providing hydraulic connection to the saturated interval from 23 to 26 feet bgl, but not to the saturation encountered in the overlying fill materials. The geologic information and well construction information on the boring logs is not sufficient to determine if confined conditions are present. You must also examine the water level measurements presented the Section 9 Data Tables in the Annual Groundwater Monitoring Reports. As shown in the 2015 Report, water levels in MKTF-17 were approximately 12 to 13 feet bgl and in MKTF-18 were approximately 8 to 9 feet bgl. In the 2018 Report, water levels in MKTF-17 ranged from approximately 12 to 14 feet bgl and in MKTF-18 water levels ranged from approximately 6 to 8 feet bgl. All of these water levels are significantly higher than the bottom of the clay confining unit that occurs at a depth of 20 feet bgl in MKTF-17 and 23 feet bgl in MKTF-18. It is the fact that the water level in both wells rises well above the lower contact of the upper confining layer that we conclude the wells are screened across a permeable interval that is confined.

Separately, there is saturation and hydrocarbon impacts present in the fill materials that are found above the silty clay layer that is measured at 13 feet in thickness in both MKTF-17 and MKTF-18. While the lower zone, which is screened in the wells MKTF-17 and MKTF-18, already shows hydrocarbon impacts we do not think it is advisable to install wells as instructed by NMED that will breach the existing clay aquitard to allow a direct conduit for impacts in the fill materials to migrated directly into the lower interval. While there may be other existing means of hydraulic connection between the zones in other areas, we can see no advantage to creating direct conduits for contaminant migration through well bores where there is otherwise a significant confining aquitard present to prevent/reduce vertical migration.

In addition, if there was phase-separated hydrocarbon (PSH) in the lower interval, then it should enter the wells through the screen that is opened to the transmissive section below the clay aquitard. Similarly, if PSH is present in the fill material above the clay aquitard, then placing well screen through the fill materials to the top of the clay aquitard should allow entry into a well. We welcome the opportunity to discuss this further with NMED during our next meeting. As it currently appears these wells will be

installed first under the *Investigation Work Plan Area of Concern 35*, which was recently approved with modifications, we are removing them from this Work Plan. In addition, this will reduce duplicative comments and responses on the same issue in multiple Work Plans and the new wells should be included as part of the AOC 35 Investigation. This is reflected in revisions to the Executive Summary; Sections 1 (page 1-2), 2 (page 2-1), and 4.3 (page 4-1); Figure 4 (removed proposed locations); and Appendix A (removed well logs for MKTF-17 and MKTF-18).

Work Plan 2015 Annual Groundwater Report Comments



**Marathon
Petroleum Company LP**

Gallup Refinery
Western Refining Southwest, Inc.
Gallup, New Mexico

EPA ID# NMD000333211

OCTOBER 2018

(Revised June & October 2019)



DiSorbo
Environmental Consulting Firm

Scott Crouch
Senior Geologist

8501 North Mopac Expy
512.693.4190 (P)

Suite 300
512.279.3118 (F)

Austin, TX 78759
www.disorboconsult.com

Table of Contents

List of Acronyms	i
Executive Summary	1
Section 1 Introduction	1-1
Section 2 Background	2-1
Section 3 Site Conditions	3-1
3.1 Surface Conditions	3-1
3.2 Subsurface Conditions	3-1
Section 4 Scope of Services	4-1
4.1 New Well Northeast of OW-30	4-1
4.2 New Sonsela Wells	4-1
4.3 New Shallow Wells near EP-9 and west of OW-1	4-2
4.4 MKTF-01, MKTF-02 and MKTF-04 Replacement Wells	4-2
4.5 Soil Sample Field Screening and Logging	4-3
4.5.1 Drilling Activities	4-4
4.6 Groundwater Sample Collection	4-5
4.6.1 Sample Handling	4-6
4.7 Collection and Management of Investigation Derived Waste	4-7
4.8 Documentation of Field Activities	4-8
4.9 Chemical Analyses	4-8
4.10 Data Quality Objectives	4-10
Section 5 References	5-1

List of Figures

Figure 1	Site Location Map
Figure 2	Chinle/Alluvial Interface Potentiometric Map North
Figure 2A	Chinle/Alluvial Interface Potentiometric Map West
Figure 3	Proposed Monitoring Well Locations
Figure 4	MKTF Well Locations

Appendices

Appendix A Boring Logs

Table of Contents (Continued)

Appendix B Investigation Derived Waste Management Plan

Appendix C OW-13 Data Graphs

Appendix D Well Development and Purging Procedures

Appendix E Potentiometric Surface Map

List of Acronyms

benzene, toluene, ethylbenzene, and xylene (BTEX)
Code of Federal Regulations (CFR)
Contract Laboratory Program (CLP)
data quality objective (DQO)
diesel range organics (DRO)
dilution attenuation factor (DAF)
Environmental Protection Agency (EPA)
investigation derived waste (IDW)
Maximum Contaminant Level (MCL)
mean sea level (msl)
monitoring well (MW)
motor oil range organics (MRO)
methyl tert butyl ether (MTBE)
New Mexico Administrative Code (NMAC)
New Mexico Environment Department (NMED)
New Mexico Oil Conservation Division (NMOCD)
photoionization detector (PID)
polynuclear aromatic hydrocarbon (PAH)
polyvinyl chloride (PVC)
quality assurance/quality control (QA/QC)
Resource Conservation and Recovery Act (RCRA)
separate-phase hydrocarbon (SPH)
semi-volatile organic compound (SVOC)
Solid Waste Management Unit (SWMU)
total petroleum hydrocarbon (TPH)
toxicity characteristic leaching procedure (TCLP)
volatile organic compound (VOC)

Executive Summary

The Gallup Refinery, which is located 17 miles east of Gallup, New Mexico, has been in operation since the 1950s. Pursuant to the terms and conditions of the facility Resource Conservation and Recovery Act (RCRA) Post-Closure Care Permit and 20.4.1.500 New Mexico Administrative Code, this Work Plan has been prepared to address comments received on the 2015 Annual Groundwater Monitoring Report for the Gallup Refinery. In the Disapproval letter dated January 31, 2018, the New Mexico Environment Department (NMED) requested additional wells be installed pursuant to Comments No. 18.2, 18.3, 18.4, 20, 22, 25, 39, and 40. In response to these comments, at least eight new monitoring wells will be installed. Soil samples will be collected for chemical analysis based on field screening results. Upon completion and well development, groundwater samples will be collected and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), Skinner List metals, cyanide, iron, manganese, major cations, and major anions.

Section 1

Introduction

The Gallup Refinery is located approximately 17 miles east of Gallup, New Mexico along the north side of Interstate Highway I-40 in McKinley County. The physical address is I-40, Exit #39 Jamestown, New Mexico 87347. The Gallup Refinery is located on 810 acres. Figure 1 presents the refinery location and the regional vicinity.

The Gallup Refinery generally processes crude oil from the Four Corners area transported to the facility by pipeline or tanker truck. Various process units are operated at the facility, including crude distillation, reforming, fluidized catalytic cracking, alkylation, sulfur recovery, merox treater, and hydrotreating. Current and past operations have produced gasoline, diesel fuels, jet fuels, kerosene, propane, butane, and residual fuel.

This work plan addresses requests for additional site monitoring wells in the NMED Disapproval letter dated January 31, 2018 on the 2015 Annual Groundwater Monitoring Report and a subsequent NMED comment letter dated January 28, 2019 on the initial submission of this Work Plan. The specific comment numbers in the January 31, 2018 letter are 18.2, 18.3, 18.4, 20, 22, 25, 39, and 40. The actions, if required, to address these comments are described below:

- Comment 18.2 - A new monitoring well is proposed to the northeast of OW-30;
- Comment 18.3 - Methyl Tert Butyl Ether (MTBE) has been detected in OW-50 and OW-52 since submission of the 2015 Annual Groundwater Monitoring Report and that appears to confirm the down-gradient flow direction to the north in this area, thus no additional wells are proposed. In addition, we note that wells OW-54 and OW-55 have already been installed in the subject area since the 2015 reporting period and a row of six additional temporary wells have already been proposed further to the west (anticipated to be down-gradient) to provide additional information on the subsurface geology as well as hydraulic gradients west and northwest of OW-50, OW-52 and OW-56 (DiSorbo, 2019);
- Comment 18.4 - As noted above, MTBE has been detected down-gradient to the north in wells OW-50 and OW-52 and a new well (OW-56) has already been installed to the west, therefore no additional wells are proposed in the immediate area;

-
-
- Comment 20 - Upon further review of the well construction and water levels, it appears that operating a recovery pump in existing RW-2, which is being proposed separately, will lower the water level in RW-2 to below the top of the well screen. Fluid levels will be monitored and if the water level is not lowered below the top of the well screen, then further consideration will be given to installing an additional well with a higher well screen.
 - Comment 22 – Recent monitoring data has shown the benzene, toluene, ethylbenzene, and xylenes (BTEX) results have been mostly non-detect in samples collected at OW-1; however, as requested additional wells are proposed to the west of OW-1;
 - Comment 25 – A new well will be installed on the southern margin of Evaporation Pond 9 (EP-9);
 - Comment 39 – MTBE concentrations have been slowly increasing in groundwater samples collected from OW-13. This well was installed in 1981, approximately 37 years ago, and the quality of the well construction is in question. There is a concern the well itself may be acting as a conduit for contamination in the Chinle/Alluvial Interface zone to migrate vertically to the Sonsela Aquifer. It is recommended to install a new Sonsela well in the same area. In addition, a new Sonsela well will be installed between OW-12 and OW-13; and
 - Comment 40
 - Well MKTF-01 will be plugged and replaced with a new well in the same area with the screen set higher to encounter the potentiometric surface;
 - Well MKTF-02 will be plugged and replaced with a new well in the same area with the screen set higher to encounter the potentiometric surface;
 - Well MKTF-04 will be plugged and replaced with a new well with the screen set higher to encounter the potentiometric surface;
 - Wells MKTF-17 and -18 are addressed in the *Investigation Work Plan Area of Concern* 35 (July 2019); and.
 - The water level in MKTF-28 has fluctuated above and below the top of the well screen; however, the well produces very little water and the chemical analyses of groundwater samples collected from MKTF-28 have shown only very low concentrations of constituents of concern. There are no indications of the presence of phase-separated hydrocarbons (PSH). No modifications are recommended for MKTF-28.

The investigation activities will be conducted in accordance with Section IV.H.5 of the Post-Closure Care Permit.

Section 2

Background

NMED's review of the 2015 Annual Groundwater Monitoring Report generated numerous requests for the installation of additional monitoring wells. The wells are basically located in three distinct areas on the refinery property. Three of the wells (OW-13 replacement, new Sonsela well between OW-12 and OW-13 and new off-site Chinle/Alluvial Interface well) will be drilled in the northeast portion of the property, with one of these actually located off-site to the northeast. There are no known potential sources in the immediate vicinity of where these wells will be located (north and northeast of the main tank farm); however, they are both potentially located down-gradient of the main tank farm such that it may be possible for contaminants sourced in the tank farm to migrate to these locations.

The second group of wells (MKTF-01R, MKTF-02R and MKTF-04R) is located in the vicinity of the hydrocarbon seep, which is an area on the western portion of the refinery where significant prior investigations of groundwater impacts have been conducted. Once again, this is an area without any known potential sources in the immediate area, but rather in a down-gradient location where impacted groundwater has transported contaminants. Also, in this general area, a new MTKF well will be drilled on the south side of EP-9.

The third location is near Evaporation EP-9 where one well be installed on the south side of EP-9 and additional well(s) will be installed to the west of OW-1.

Section 3

Site Conditions

3.1 Surface Conditions

Site topographic features include high ground in the southeast gradually decreasing to a lowland fluvial plain to the northwest. Elevations on the refinery property range from 7,040 feet to 6,860 feet. Surface soils within most of the area of investigation are primarily Rehobeth silty clay loam. Rehobeth soil properties include a pH ranging from 8 to 9 standard units and salinity (naturally occurring and typically measuring up to approximately 8 mmhos/cm).

Regional surface water features include the refinery evaporation ponds and a number of small ponds (one cattle water pond and two small unnamed spring fed ponds). The site is located in the Puerco River Valley, north of the Zuni Uplift with overland flows directed northward to the tributaries of the Puerco River. The Puerco River continues to the west to the confluence with the Little Colorado River. The South Fork of the Puerco River is intermittent and retains flow only during and immediately following precipitation events.

3.2 Subsurface Conditions

The shallow subsurface soils consist of fluvial and alluvial deposits comprised of clay and silt with minor inter-bedded sand layers. Very low permeability bedrock (e.g., claystones and siltstones) underlie the surface soils and effectively form an aquitard. The Chinle Group, which is Upper Triassic, crops out over a large area on the southern margin of the San Juan Basin. The uppermost recognized local Formation is the Petrified Forest Formation and the Sonsela Sandstone Bed is the uppermost recognized regional aquifer. Aquifer test of the Sonsela Bed northeast of Prewitt indicated a transmissivity of greater than 100 ft²/day (Stone and others, 1983). The Sonsela Sandstone's highest point occurs southeast of the site and slopes downward to the northwest as it passes under the refinery. The Sonsela Sandstone forms a water-bearing reservoir with artesian conditions throughout the central and western portions of the refinery property.

The diverse properties and complex, irregular stratigraphy of the surface soils across the site cause a wide range of hydraulic conductivity ranging from less than 10⁻² cm/sec for gravel like sands immediately overlying the Petrified Forest Formation to 10⁻⁸ cm/sec in the clay soils located near the surface (Western, 2009). Generally, shallow groundwater at the refinery follows the upper contact of

the Petrified Forest Formation with prevailing flow from the southeast to the northwest, although localized areas may have varying flow directions (Figures 2 and 2A).

Section 4

Scope of Services

The new and replacement monitoring wells will be installed pursuant Section IV.K. of the RCRA Post-Closure Care Permit. This includes three replacement wells to raise the top of the well screen intervals. One new well is located in a potentially down-gradient location to evaluate the possible migration of MTBE off-site to the east of the refinery and new well(s) will be located west of well OW-1 to delineate the down-gradient extent of the plume. One well will supplement an old well screened in the Sonsela aquifer, which has shown detections of MTBE, and an additional well will be installed down-gradient of this location. A new well is proposed to the south of EP-9. Boring logs of wells being replaced or adjacent wells are provided in Appendix A. The location specific activities are discussed further below. The well installation will commence upon approval of this work plan by NMED.

4.1 New Well Northeast of OW-30

An investigation of groundwater conditions in the area northeast of OW-30 is proposed to determine the hydraulic gradient on the east side of the refinery and the lateral extent of MTBE, which has been detected at elevated concentrations in groundwater samples collected from OW-30. One well will be located approximately 500 feet northeast of OW-30 (Figure 3). The well will be screened in the upper-most saturated interval(s) with a maximum screen length of 20 feet to help ensure the top of the well screen is set above the potentiometric surface.

4.2 New Sonsela Wells

Concentrations of MTBE have been slowly increasing in groundwater samples collected at monitoring well OW-13 since at least 2010. A graph of the concentrations is included in Appendix C. The boring log for OW-13 indicates that the top of the Chinle Formation, which consists of shale, is present at 8 feet below ground level (bgl) and extends to 70 feet bgl before encountering the Sonsela aquifer, Therefore, the aquitard comprised of the Chinle Formation (shale) is approximately 60 feet thick in the area of OW-13. An examination of the boring log for OW-12 indicates the Chinle Formation is approximately 80 feet thick above the Sonsela aquifer. The thickness of the aquitard (Chinle Formation) between the Chinle-Alluvial Interface Zone and the Sonsela aquifer cast doubt on whether the MTBE has migrated through the aquitard or found another migration pathway.

A review of the potentiometric surfaces measured in OW-12 (completed in Sonsela aquifer), OW-13 (completed in Sonsela aquifer) and OW-14 (completed in Chinle-Alluvial Interface Zone) indicates that the potentiometric surface measured in OW-13 tracks more closely with the potentiometric surface in OW-14 than the potentiometric surface in OW-12 (Appendix C). In fluid levels measured from June 2005 through November 2018, all three wells indicate rising water levels. From the lowest potentiometric surfaces recorded in December 2007 to the highest (April 2018 in OW-13 and OW-14 and August 2018 in OW-12), the increases are 2.78 feet, 4.14 feet, and 5.66 feet in OW-12, OW-13 and OW-14, respectively. While the increase at OW-13 is not as great as that measured at OW-14, it is significantly greater than the increase measured at OW-12, the other nearby well completed in the Sonsela aquifer.

The examination of the aquitard thickness and potentiometric surfaces indicates that well OW-13 is a possible migration pathway for contaminations to move vertically downward to the Sonsela aquifer. To address this concern a new well will be installed in the same area as OW-13 (Figure 3). OW-13 will be retained at this time to allow for further evaluation. The new well will be screened within the Sonsela aquifer, with a separate isolation casing set from the land surface to the top of the Chinle Formation.

To evaluate the potential migration of MTBE within the Sonsela aquifer, an additional well will be located approximately halfway between OW-12 and OW-13. The proposed location is shown on Figure 3. To delineate the down-gradient extent of the plume detected at OW-1, a new Sonsela well will be installed approximately five hundred feet down-gradient to the west of OW-1. The proposed location is shown on Figure 3.

4.3 New Shallow Wells near EP-9 and west of OW-1

A new shallow monitoring well will be installed adjacent to EP-9 on the south side of the pond. In addition, if saturation is encountered in the alluvium deposits above the Chinle Group during the drilling of the new Sonsela well west of OW-1, then up to two “shallow” wells will be completed consistent with those recently installed at locations BW-4A, BW-4B, BW-5A, and BW-5B. (Figure 4).

4.4 MKTF-01, MKTF-02 and MKTF-04 Replacement Wells

Monitoring wells MKTF-01, MKTF-02 and MKTF-04 will be plugged and abandoned. Replacement wells (MKTF-01R, MKTF-02R and MKTF-04R) will be drilled adjacent to the original well locations. The well screen in MKTF-01 was placed from 4 to 14 feet below ground level (bgl). MKTF-01R will be

drilled to a depth of approximately 13 feet with the well screen set from 2 to 12 feet bgl. The well completion will include 1 foot of sand above the well screen and 1 foot of grout extending to the land surface.

The well screen in MKTF-02 was placed from 7 to 17 feet below ground level (bgl). MKTF-02R will be drilled to a depth of approximately 17 feet with the well screen set from 2.5 to 15.5 feet bgl. The well completion will include 1 foot of sand above the well screen and 1.5 feet of grout extending to the land surface.

The well screen in MKTF-04 was placed from 12 to 22 feet bgl. MKTF-04R will be drilled to a depth of approximately 19 feet with the well screen set from 4 to 19 feet bgl. The well completion will include 2 foot of sand above the well screen and 2 feet of grout extending to the land surface.

4.5 Soil Sample Field Screening and Logging

Samples obtained from the soil borings will be screened in the field on 2.0-foot intervals for evidence of contaminants. Field screening results will be recorded on the exploratory boring logs. Field screening results will be used to aid in the possible selection of soil samples for laboratory analysis. The primary screening methods include: (1) visual examination, (2) olfactory examination, and (3) headspace vapor screening for volatile organic compounds.

Visual screening includes examination of soil samples for evidence of staining caused by petroleum-related compounds or other substances that may cause staining of natural soils such as elemental sulfur or cyanide compounds. Headspace vapor screening targets volatile organic compounds and involves placing a soil sample in a plastic sample bag or a foil sealed container allowing space for ambient air. The container will be sealed and then shaken gently to expose the soil to the air trapped in the container. The sealed container will be allowed to rest for a minimum of 5 minutes while vapors equilibrate. Vapors present within the sample bag's headspace will then be measured by inserting the probe of the instrument in a small opening in the bag or through the foil. The maximum value and the ambient air temperature will be recorded on the field boring or test pit log for each sample.

The monitoring instruments will be calibrated each day to the manufacturer's standard for instrument operation. A photoionization detector (PID) equipped with a 10.6 or higher electron volt (eV) lamp or a combustible gas indicator may be used for VOC field screening. Field screening results may be site- and boring-specific and the results may vary with instrument type, the media

screened, weather conditions, moisture content, soil type, and type of contaminant, therefore, all conditions capable of influencing the results of field screening will be recorded on the field logs.

Soil samples will be collected for laboratory analysis from zones for which screening indicates the potential for site impacts. In addition, soil samples will be collected at the groundwater interface and termination depths of all soil borings. The physical characteristics of the samples (such as mineralogy, ASTM soil classification, moisture content, texture, color, presence of stains or odors, and/or field screening results), depth where each sample was obtained, method of sample collection, and other observations will be recorded in the field log by a qualified geologist or engineer. Detailed logs of each boring will be completed in the field by a qualified engineer or geologist. Additional information, such as the presence of water-bearing zones and any unusual or noticeable conditions encountered during drilling, will be recorded on the logs.

Quality Assurance/Quality Control (QA/QC) samples will be collected to monitor the validity of the soil sample collection procedures as follows:

- Field duplicates will be collected at a rate of 10 percent; and
- Equipment blanks will be collected from all sampling apparatus at a frequency of one per day.

4.5.1 Drilling Activities

Soil borings will be drilled using hollow-stem augers and it may be necessary to switch to air rotary for the deep well drilled into the Sonsela Aquifer. The drilling equipment will be properly decontaminated before drilling each boring. The NMED will be notified as early as practicable if conditions arise or are encountered that do not allow the advancement of borings to the specified depths or at planned sampling locations. Appropriate actions (e.g., installation of protective surface casing or relocation of borings to a less threatening location) will be taken to minimize any negative impacts from investigative borings. Slotted (0.01 inch) PVC well screen will be placed at the bottom of the borings and 10/20 sand filter pack will be installed to two feet over the top of the well screen. Some locations may have wells screen placed near the land surface and in these locations the sand filter pack may be reduced to 1 foot. Where possible, aboveground surface completions will be used; with in-ground vaults only used in areas where an aboveground completion is not practicable.

4.6 Groundwater Sample Collection

Groundwater samples shall initially be obtained from newly installed monitoring wells between ten and 30 days after completion of well development. Well development and purging prior to sample collection will be in accordance with procedures described in Appendix D. Prior to collection of groundwater samples for laboratory analyses, the fluid levels and the total depths of each well will be measured.

Groundwater samples will be collected from the new monitoring wells within 24 hours of the completion of well purging using disposal bailers. Alternatively, well sampling may also be conducted in accordance with the NMED's Position Paper *Use of Low-Flow and other Non-Traditional Sampling Techniques for RCRA Compliant Groundwater Monitoring* (October 30, 2001, as updated). Sample collection methods will be documented in the field monitoring reports. The samples will be transferred to the appropriate, clean, laboratory-prepared containers provided by the analytical laboratory. Sample handling and chain-of-custody procedures will be in accordance with the procedures presented below in Section 4.4.1.

Groundwater samples intended for metals analysis will be submitted to the laboratory as both total and dissolved metals samples. QA/QC samples will be collected to monitor the validity of the groundwater sample collection procedures as follows:

- Field duplicate water samples will be obtained at a frequency of ten percent, with a minimum, of one duplicate sample per sampling event;
- Equipment rinsate blanks will be obtained for chemical analysis at the rate of ten percent or a minimum of one rinsate blank per sampling day. Equipment rinsate blanks will be collected at a rate of one per sampling day if disposable sampling equipment is used. Rinsate samples will be generated by rinsing deionized water through unused or decontaminated sampling equipment. The rinsate sample will be placed in the appropriate sample container and submitted with the groundwater samples to the analytical laboratory for the appropriate analyses; and
- Trip blanks will accompany laboratory sample bottles and shipping and storage containers intended for VOC analyses. Trip blanks will consist of a sample of analyte-free deionized water prepared by the laboratory and placed in an appropriate sample container. The trip blank will be prepared by the analytical laboratory prior to the sampling event and will be kept with the shipping containers and placed with other water samples obtained from the

site each day. Trip blanks will be analyzed at a frequency of one for each shipping container of groundwater samples to be analyzed for VOCs.

4.6.1 Sample Handling

At a minimum, the following procedures will be used at all times when collecting samples during investigation, corrective action, and monitoring activities:

1. Neoprene, nitrile, or other protective gloves will be worn when collecting samples. New disposable gloves will be used to collect each sample;
2. All samples collected of each medium for chemical analysis will be transferred into clean sample containers supplied by the project analytical laboratory with the exception of soil, rock, and sediment samples obtained in Encore® samplers. Sample container volumes and preservation methods will be in accordance with the most recent standard EPA and industry accepted practices for use by accredited analytical laboratories. Sufficient sample volume will be obtained for the laboratory to complete the method-specific QC analyses on a laboratory-batch basis; and
3. Sample labels and documentation will be completed for each sample following procedures discussed below. Immediately after the samples are collected, they will be stored in a cooler with ice or other appropriate storage method until they are delivered to the analytical laboratory. Standard chain-of-custody procedures, as described below, will be followed for all samples collected. All samples will be submitted to the laboratory soon enough to allow the laboratory to conduct the analyses within the method holding times.

Chain-of-custody and shipment procedures will include the following:

1. Chain-of-custody forms will be completed at the end of each sampling day, prior to the transfer of samples off site.
2. Individual sample containers will be packed to prevent breakage and transported in a sealed cooler with ice or other suitable coolant or other EPA or industry-wide accepted method. The drainage hole at the bottom of the cooler will be sealed and secured in case of sample container leakage. Temperature blanks will be included with each shipping container.
3. Each cooler or other container will be delivered directly to the analytical laboratory.

-
-
4. Glass bottles will be separated in the shipping container by cushioning material to prevent breakage.
 5. Plastic containers will be protected from possible puncture during shipping using cushioning material.
 6. The chain-of-custody form and sample request form will be shipped inside the sealed storage container to be delivered to the laboratory.
 7. Chain-of-custody seals will be used to seal the sample-shipping container in conformance with EPA protocol.
 8. Signed and dated chain-of-custody seals will be applied to each cooler prior to transport of samples from the site.
 9. Upon receipt of the samples at the laboratory, the custody seals will be broken, the chain-of-custody form will be signed as received by the laboratory, and the conditions of the samples will be recorded on the form. The original chain-of-custody form will remain with the laboratory and copies will be returned to the relinquishing party.
 10. Copies of all chain-of-custody forms generated as part of sampling activities will be maintained on-site.

4.7 Collection and Management of Investigation Derived Waste

Drill cuttings, excess sample material and decontamination fluids, and all other investigation derived waste (IDW) associated with soil borings will be contained and characterized using methods based on the boring location, boring depth, drilling method, and type of contaminants suspected or encountered. All purged groundwater and decontamination water will be characterized prior to disposal unless it is disposed in the refinery wastewater treatment system upstream of the API Separator. An IDW management plan is included as Appendix B.

Field equipment requiring calibration will be calibrated to known standards, in accordance with the manufacturers' recommended schedules and procedures. At a minimum, calibration checks will be conducted daily, or at other intervals approved by the Department, and the instruments will be recalibrated, if necessary. Calibration measurements will be recorded in the daily field logs. If field equipment becomes inoperable, its use will be discontinued until the necessary repairs are made. In the interim, a properly calibrated replacement instrument will be used.

4.8 Documentation of Field Activities

Daily field activities, including observations and field procedures, will be recorded in a field log book. Copies of the completed forms will be maintained in a bound and sequentially numbered field file for reference during field activities. Indelible ink will be used to record all field activities. Photographic documentation of field activities will be performed, as appropriate. The daily record of field activities will include the following:

1. Site or unit designation;
2. Date;
3. Time of arrival and departure;
4. Field investigation team members including subcontractors and visitors;
5. Weather conditions;
6. Daily activities and times conducted;
7. Observations;
8. Record of samples collected with sample designations and locations specified;
9. Photographic log, as appropriate;
10. Field monitoring data, including health and safety monitoring;
11. Equipment used and calibration records, if appropriate;
12. List of additional data sheets and maps completed;
13. An inventory of the waste generated and the method of storage or disposal; and
14. Signature of personnel completing the field record.

4.9 Chemical Analyses

All samples collected for laboratory analysis will be submitted to an accredited laboratory. The laboratory will use the most recent standard EPA and industry-accepted analytical methods for target analytes as the testing methods for each medium sampled. Chemical analyses will be performed in accordance with the most recent EPA standard analytical methodologies and extraction methods.

Groundwater and soil samples will be analyzed by the following methods:

- SW-846 Method 8260 for volatile organic compounds;
- SW-846 Method 8270 for semi-volatile organic compounds; and
- SW-846 Method 8015B gasoline range (C5-C10), diesel range (>C10-C28), and motor oil range (>C28-C36) organics.

Groundwater and soil samples will also be analyzed for the following Skinner List metals and iron and manganese using the indicated analytical methods shown. The groundwater samples collected for metals analysis will be analyzed for total and dissolved concentrations. Groundwater samples will also be analyzed for major cations and anions as listed below.

Analyte	Analytical Method
Antimony	SW-846 method 6010/6020
Arsenic	SW-846 method 6010/6020
Barium	SW-846 method 6010/6020
Beryllium	SW-846 method 6010/6020
Cadmium	SW-846 method 6010/6020
Chromium	SW-846 method 6010/6020
Cobalt	SW-846 method 6010/6020
Cyanide	SW-846 method 335.4/335.2 mod
Lead	SW-846 method 6010/6020
Mercury	SW-846 method 7470/7471
Nickel	SW-846 method 6010/6020
Selenium	SW-846 method 6010/6020
Silver	SW-846 method 6010/6020
Vanadium	SW-846 method 6010/6020
Zinc	SW-846 method 6010/6020
Iron	SW-846 method 6010/6020
Manganese	SW-846 method 6010/6020
Calcium	EPA method 200.7
Manganese	EPA method 200.7
Sodium	EPA method 200.7
Potassium	EPA method 200.7
Carbonate	SM 2320B
Bicarbonate	SM 2320B
Sulfate	EPA method 300.0
Fluoride	EPA method 300.0
Chloride	EPA method 300.0
Nitrate	EPA method 300.0
Nitrite	EPA method 300.0

Groundwater field measurements will be obtained for pH, specific conductance, dissolved oxygen concentrations, oxidation-reduction potential, and temperature.

4.10 Data Quality Objectives

The Data Quality Objectives (DQOs) were developed to ensure that newly collected data are of sufficient quality and quantity to address the project goals, including Quality Assurance/Quality Control (QA/QC) issues (EPA, 2006). The project goals are established to determine and evaluate the presence, nature, and extent of releases of contaminants at specified SWMUs. The type of data required to meet the project goals includes chemical analyses of soil and groundwater to determine if there has been a release of contaminants.

The quantity of data is location specific and is based on the historical operations at individual locations. Method detection limits should be 20% or less of the applicable background levels, cleanup standards and screening levels.

Additional DQOs include precision, accuracy, representativeness, completeness, and comparability. Precision is a measurement of the reproducibility of measurements under a given set of circumstances and is commonly stated in terms of standard deviation or coefficient of variation (EPA, 1987). Precision is also specific to sampling activities and analytical performance. Sampling precision will be evaluated through the analyses of duplicate field samples and laboratory replicates will be utilized to assess laboratory precision.

Accuracy is a measurement in the bias of a measurement system and may include many sources of potential error, including the sampling process, field contamination, preservation, handling, sample matrix, sample preparation, and analysis techniques (EPA, 1987). An evaluation of the accuracy will be performed by reviewing the results of field/trip blanks, matrix spikes, and laboratory QC samples.

Representativeness is an expression of the degree to which the data accurately and precisely represent the true environmental conditions. Sample locations and the number of samples have been selected to ensure the data is representative of actual environmental conditions. Based on SWMU specific conditions, this may include either biased (i.e., judgmental) locations/depths or unbiased (systematic grid samples) locations. In addition, sample collection techniques (e.g., field monitoring and decontamination of sampling equipment) will be utilized to help ensure representative results.

Completeness is defined as the percentage of measurements taken that are actually valid measurements, considering field QA and laboratory QC problems. EPA Contract Laboratory Program (CLP) data has been found to be 80-85% complete on a nationwide basis and this has been extrapolated to indicate that Level III, IV, and V analytical techniques will generate data that are approximately 80% complete (EPA, 1987). As an overall project goal, the completeness goal is 85%; however, some samples may be critical based on location or field screening results and thus a sample-by-sample evaluation will be performed to determine if the completeness goals have been obtained.

Comparability is a qualitative parameter, which expresses the confidence with which one data set can be compared to another. Industry standard sample collection techniques and routine EPA analytical methods will be utilized to help ensure data are comparable to historical and future data. Analytical results will be reported in appropriate units for comparison to historical data and cleanup levels.

Section 5 References

DiSorbo, 2019, Investigation Report North Drainage Ditch and OW-29 & OW-30 Areas, August 2018 (Revised April 2019)

EPA, 1987, Data Quality Objectives for Remedial Response Activities; United States Environmental Protection Agency, Office of Emergency and Remedial Response and Office of Waste Programs Enforcement, OSWER Directive 9355.0-7B, 85p.

EPA, 2006, Guidance on Systematic Planning Using the Data Quality Objectives Process, United States Environmental Protection Agency, Office of Environmental Information; EPA/240/B-06/001, p. 111.

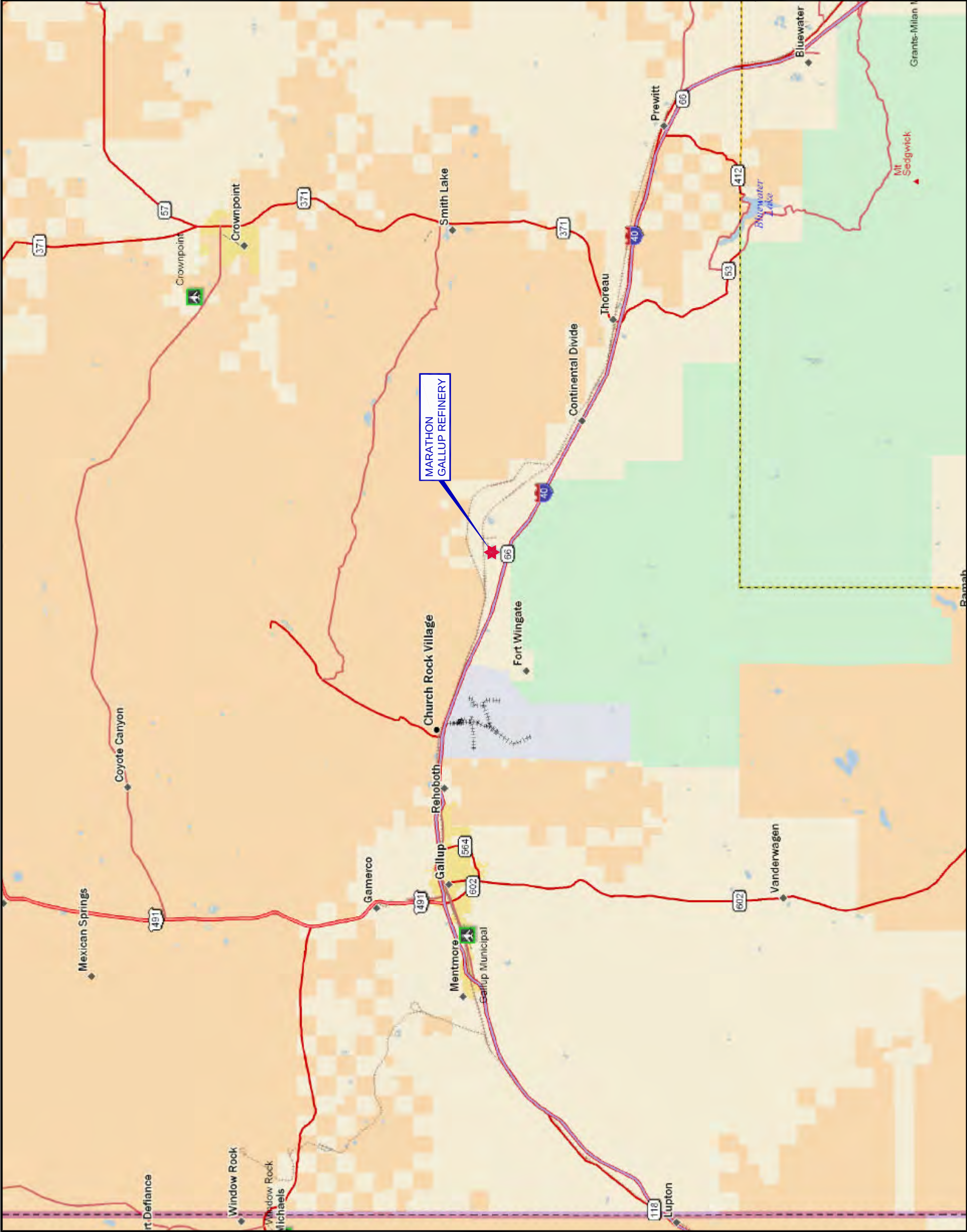
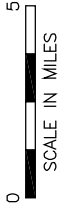
NMED, 2017, Risk Assessment Guidance for Site Investigation and Remediation, New Mexico Environment Department.

Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizel, N.H., and Padgett, E.T., 1983, Hydrogeology and Water Resources of San Juan Basin, New Mexico; Hydrogeologic Report 6, New Mexico Bureau of Mines and Mineral Resources, p. 70.

Western, 2009, Facility-wide Groundwater Monitoring Plan: Gallup Refinery, p. 97.

Figures

- Figure 1 Site Location Map**
- Figure 2 Chinle/Alluvial Interface Potentiometric Map North**
- Figure 2A Chinle/Alluvial Interface Potentiometric Map West**
- Figure 3 Proposed Monitoring Well Locations**
- Figure 4 MKTF Well Locations**
-
-



MARATHON PETROLEUM COMPANY
GALLUP REFINERY

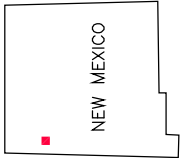
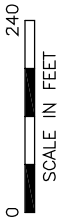
PROJ. NO.: Marathon | DATE: 03/24/19 | FILE: Mathon-dB206

FIGURE 1
SITE LOCATION MAP
GALLUP REFINERY



8501 N. MoPac Expy.
Suite 300
Austin, Texas 78759

Aerial Map Source: Google Map, 03/18/2016.



GALLUP SITE LOCATION

LEGEND

- NDD-1 SOIL BORING LOCATION AND IDENTIFICATION NUMBER
- NDD-1 TEMPORARY MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- OW-14 ALLUVIUM / CHINLE GP MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- OW-13 SONSELA MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- 6900 CONTOUR OF POTENTIOMETRIC SURFACE
- 6900.69 POTENTIOMETRIC SURFACE AUGUST 2018
- * NOT USED TO CONTOUR



MARATHON PETROLEUM COMPANY
GALLUP REFINERY

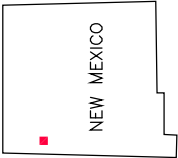
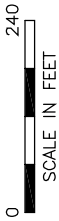
PROJ. NO.: Marathon | DATE: 06/11/19 | FILE: Mathon-dB218

FIGURE 2
CHINLE / ALLUVIAL INTERFACE
POTENTIOMETRIC MAP
NORTH

Disorbo
Environmental Consulting Firm

8501 N. MoPac Expy.
Suite 300
Austin, Texas 78759





GALLUP SITE LOCATION

LEGEND

- PROPOSED ALLUVIUM / CHINLE GP WELL LOCATION
- PROPOSED SONSELA WELL LOCATION
- SOIL BORING LOCATION AND IDENTIFICATION NUMBER
NDD-1
- TEMPORARY MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
NDD-1
- ALLUVIUM / CHINLE GP MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
OW-14
- SONSELA MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
OW-13



MARATHON PETROLEUM COMPANY
GALLUP REFINERY

PROJ. NO.: Marathon | DATE: 10/19/19 | FILE: Mathon-dB220

FIGURE 3
PROPOSED MONITORING WELL LOCATIONS



8501 N. MoPac Expy.
Suite 300
Austin, Texas 78759



Appendix A

Boring Logs

FILE #:	96-133
ELEVATION:	6921.6
TOTAL DEPTH:	48.4
LOGGED BY:	WHK
DATE:	8-28-96
STATIC WATER:	24.4
BORING ID:	OW-30 (0647)
PAGE:	1

LOG OF TEST BORINGS

[illegible]

FILE #: 96-133
ELEVATION: 6921.6
TOTAL DEPTH: 48.4
LOGGED BY: WHK
DATE: 8-28-96
STATIC WATER: 24.4
BORING ID: OW-30 (0647)
PAGE: 2

LOG OF TEST BORINGS

[illegible]

LOGGED BY: WHK

FILE #: 96-133
ELEVATION: 6921.6
TOTAL DEPTH: 48.4
LOGGED BY: WHK
DATE: 8-28-96
STATIC WATER: 24.4
BORING ID: OW-30 (0647)
PAGE: 3

LOG OF TEST BORINGS

		P L O T		S C A L E		S A M P L E		LOGGED BY: WHK DATE: 8-28-96 STATIC WATER: 24.4 BORING ID: OW-30 (0647) PAGE: 3	
DEPTH						MATERIAL CHARACTERISTICS (MOISTURE, CONDITION, COLOR, GRAINSIZE, ETC.)			PID (ppm)
44.2-47.3	000SSS000		C	GRAVEL, WATER BEARING, CHERT, SANDSTONE, SOME LIMESTONE, MODERATELY DENSE			PID=0ppm ALL SAMPLES		
47.3	000SSS000		C						
47.3-48.4	=====		C	SHALE, CHINLE FORMATION, MOIST, HARD, RED TO WHITE (CARBONATE INDURATION)					
TOTAL DEPTH			C	NOTE: STATIC WATER ELEVATION 33.5 @ .5 HOURS AND 24.4 @ 72 HOURS					
		50							
		55							
		60							
		65							

SIZE AND TYPE OF BORING: 4 1/4" ID Hollow Stemmed Auger

LOGGED BY: WHK

LABORATORY TEST DATA

DEPTH IN FEET	TESTS REPORTED ELSEWHERE	ATTERBERG LIMITS		STRENGTH TEST DATA				MOISTURE CONTENT (%)	DRY DENSITY (PCF)
		LIQUID LIMIT (%)	PLASTICITY INDEX (%)	TYPE OF TEST	NORMAL OR CONFINING PRESSURE (PSF)	SHEAR STRENGTH (PSF)	DEVIATOR STRESS (PSF)		
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									
160									

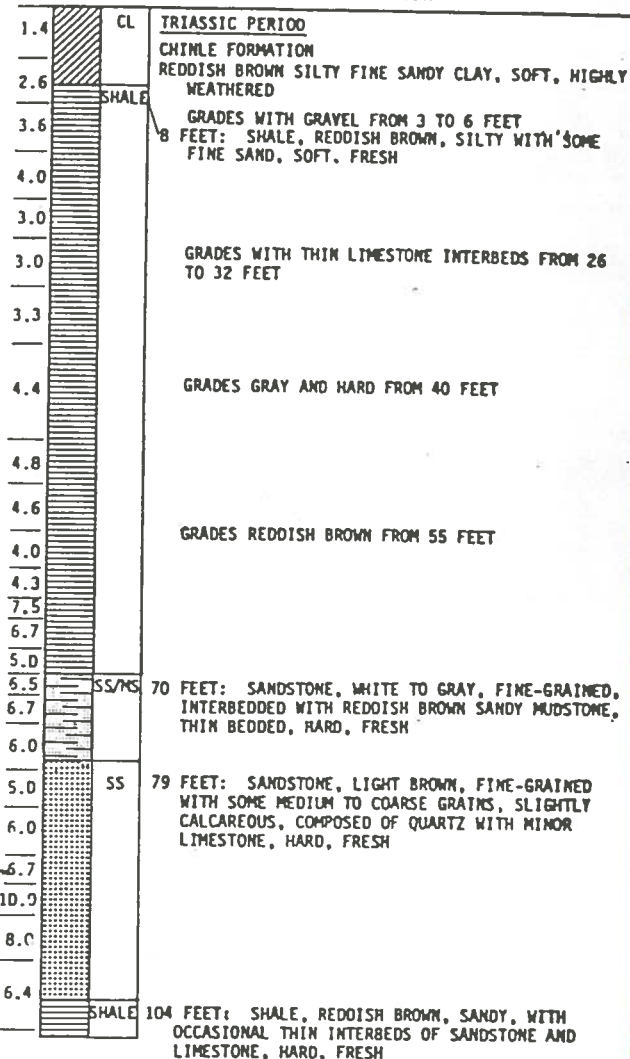
BORING OW-13

SURFACE ELEVATION: 8914 FEET

PENETRATION RATE
MINUTES/FOOT

SYMBOLS

DESCRIPTION



BORING COMPLETED AT 108.0 FEET ON 12/10/80.
BORING ALLOWED TO CAVE FROM 98.2 TO 104.0 FEET.
4-INCH PVC PIEZOMETER INSTALLED WITH PERFORATIONS FROM 78.2 TO 98.2 FEET.
GRAVEL PLACED FROM 74.0 TO 98.2 FEET AND BORING SEALED WITH BENTONITE AND CEMENT TO SURFACE.
GROUND WATER LEVEL MEASURED AT 23.2 FEET BELOW GROUND ON 1/5/81.

LOG OF BORINGS

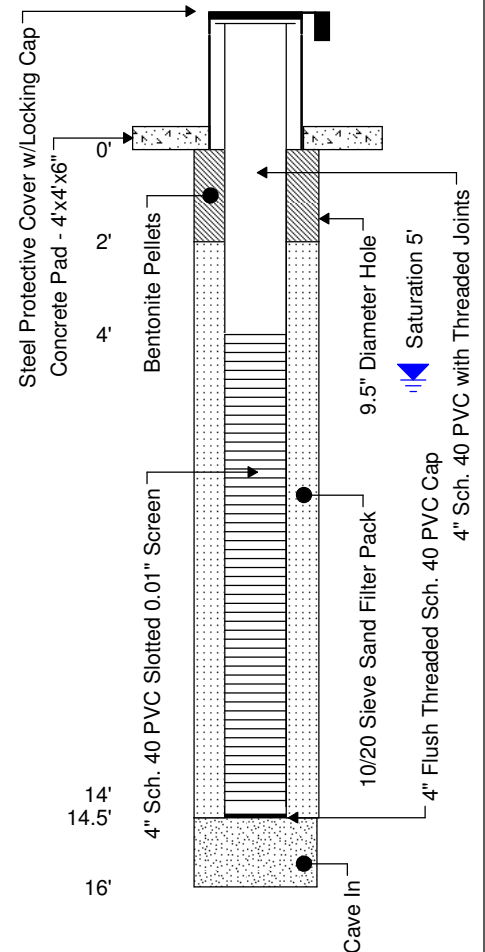
DANES & MOORE

Client: Western Refining Southwest, Inc.
Site: Gallup Refinery - Seep West of Tank 102
Job No.: UEC01809
Geologist: Tracy Payne
Driller: Enviro-Drill, Inc.
Drilling Rig: CME 75
Drilling Method: Hollow Stem Augers
Sampling Method: Split Spoon
Comments: N 35°29.346' W 108°25.782'; Boring ID - HA1

Total Depth: 16' bgl
Ground Water: Saturated @ 5' bgl
Elev., TOC (ft. msl): 6920.67
Elev., PAD (ft. msl): 6918.28
Elev., GL (ft. msl): --
Site Coordinates:
N 1,633,864.41 **E** 2,545,561.73

Well No.: MKTF-01
Start Date: 11/14/2013
Finish Date: 11/14/2013

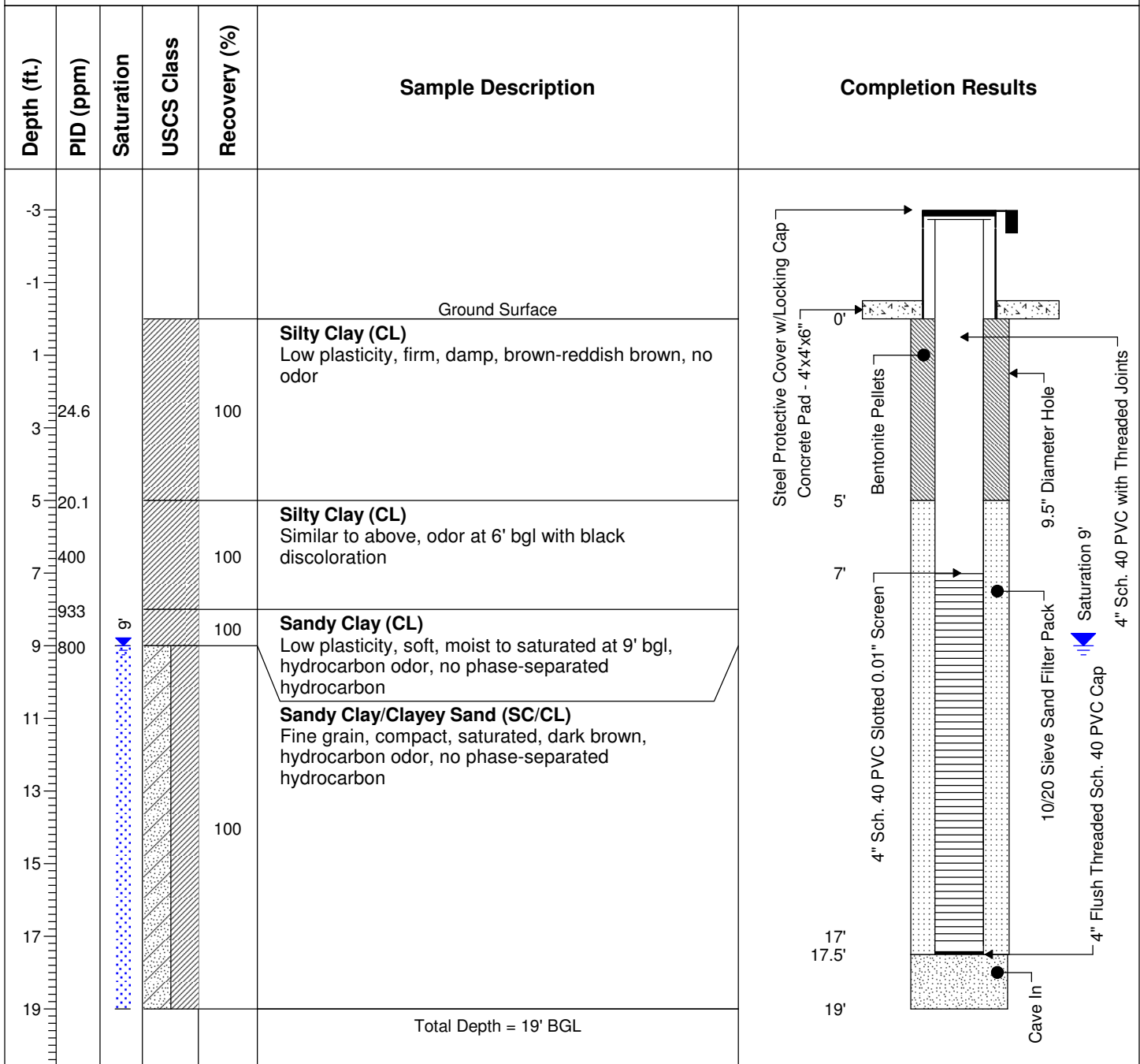
Depth (ft.)	PID (ppm)	Saturation	USCS Class	Recovery (%)	Sample Description	Completion Results
-3						
-1						
1					Ground Surface	
3				100	Silty Clay (CL) Low plasticity, soft, damp, reddish brown to brown, no odor	
5		5'				
7				100	Silty Clay/Clayey Silt (CL/ML) Low plasticity, very soft, moist to saturated, brown grading to black, gravelly, bio odor, no phase-separated hydrocarbon	
9						
11						
13						
15						
17					Total Depth = 16' BGL	
19						



Client: Western Refining Southwest, Inc.
Site: Gallup Refinery - Seep West of Tank 102
Job No.: UEC01809
Geologist: Tracy Payne
Driller: Enviro-Drill, Inc.
Drilling Rig: CME 75
Drilling Method: Hollow Stem Augers
Sampling Method: Split Spoon
Comments: N 35°29.360' W 108°25.789'; Boring ID HA3

Total Depth: 19' bgl
Ground Water: Saturated @ 9' bgl
Elev., TOC (ft. msl): 6917.45
Elev., PAD (ft. msl): 6915.00
Elev., GL (ft. msl): --
Site Coordinates:
N 1,633,946.93 **E** 2,545,530.46

Well No.: MKTF-02
Start Date: 11/14/2013
Finish Date: 11/14/2013

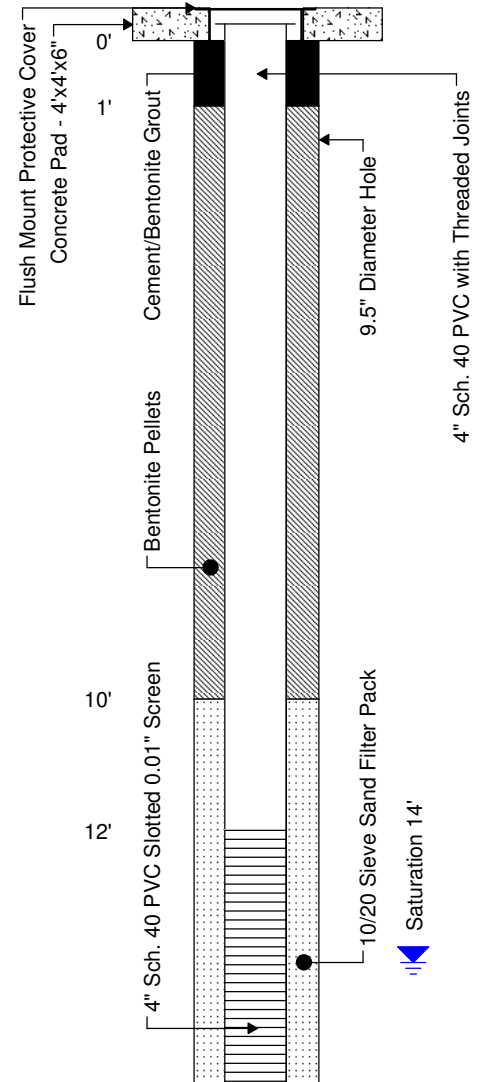


Client: Western Refining Southwest, Inc.
Site: Gallup Refinery - Seep West of Tank 102
Job No.: UEC01809
Geologist: Tracy Payne
Driller: Enviro-Drill, Inc.
Drilling Rig: CME 75
Drilling Method: Hollow Stem Augers
Sampling Method: Split Spoon
Comments: N 35°29.310' W 108°25.742'; Boring ID SB03

Total Depth: 24' bgl
Ground Water: Saturated @ 14' bgl
Elev., TOC (ft. msl): 6933.57
Elev., PAD (ft. msl): 6933.90
Elev., GL (ft. msl): --
Site Coordinates:
N 1,633,649.46 **E** 2,545,752.83

Well No.: MKTF-04
Start Date: 11/12/2013
Finish Date: 11/12/2013

Depth (ft.)	PID (ppm)	Saturation	USCS Class	Recovery (%)	Sample Description	Completion Results
-1					Ground Surface	
1	10.2			90	Fill (Silt/Gravel) Low plasticity, very dense, dry, light brown, no odor	
3	11.7			80	Fill (Silt/Gravel) Similar to above, black, dense at base, no odor	
5	16			90	Silty Clay (CL) Low plasticity, stiff, damp, reddish brown, no odor, calcareous	
7	26			90	Gravelly Sandy Clay (CL) Low plasticity, loose to firm, damp, brown, no odor	
9	708			70	Silty Clay (CL) Low plasticity, very soft, damp, reddish brown, hydrocarbon odor	
11	369			80	Clay (CH) High plasticity, firm, damp, reddish brown, hydrocarbon odor	
13	660			90	Sandy Clay/Clayey Sand (SC/CL) Low plasticity, fine grain, soft, damp, reddish brown, hydrocarbon odor	
15	85			90	Sandy Clay (SC) Similar to above, saturated sand seams, hydrocarbon odor, brown	



Client: Western Refining Southwest, Inc.
Site: Gallup Refinery - Seep West of Tank 102
Job No.: UEC01809
Geologist: Tracy Payne
Driller: Enviro-Drill, Inc.
Drilling Rig: CME 75
Drilling Method: Hollow Stem Augers
Sampling Method: Split Spoon
Comments: N 35°29.310' W 108°25.742'; Boring ID SB03

Total Depth: 24' bgl
Ground Water: Saturated @ 14' bgl
Elev., TOC (ft. msl): 6933.57
Elev., PAD (ft. msl): 6933.90
Elev., GL (ft. msl): --
Site Coordinates:
N 1,633,649.46 **E** 2,545,752.83

Well No.: MKTF-04
Start Date: 11/12/2013
Finish Date: 11/12/2013

Depth (ft.)	PID (ppm)	Saturation	USCS Class	Recovery (%)	Sample Description	Completion Results
17	64			70	Sandy Clay (SC) Similar to above, moist to saturated, hydrocarbon odor, brown	22' 22.5' 24' 4" Sch. 40 PVC Slotted 0.01" Screen 10/20 Sieve Sand Filter Pack 4" Flush Threaded Sch. 40 PVC Cap Cave In
19	33			90	Sandy Clay (SC) Low plasticity, fine grain, soft, moist to saturated, light reddish brown, hydrocarbon odor, gravelly at base Silty Clay (CL) Low plasticity, stiff, damp, light reddish brown grading to yellowish/greenish gray, becomes more silty at base	
21						
23						
25					Total Depth = 24' BGL	
27						
29						
31						

LABORATORY TEST DATA

DEPTH IN FEET	TESTS REPORTED ELSEWHERE	ATTERBERG LIMITS		STRENGTH TEST DATA			MOISTURE CONTENT (%)	DRY DENSITY (PCF)
		LIQUID LIMIT (%)	PLASTICITY INDEX (%)	TYPE OF TEST	NORMAL OR CONFINING PRESSURE (PSF)	SHEAR STRENGTH (PSF)	DEVIATOR STRESS (PSF)	
0								
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								
160								

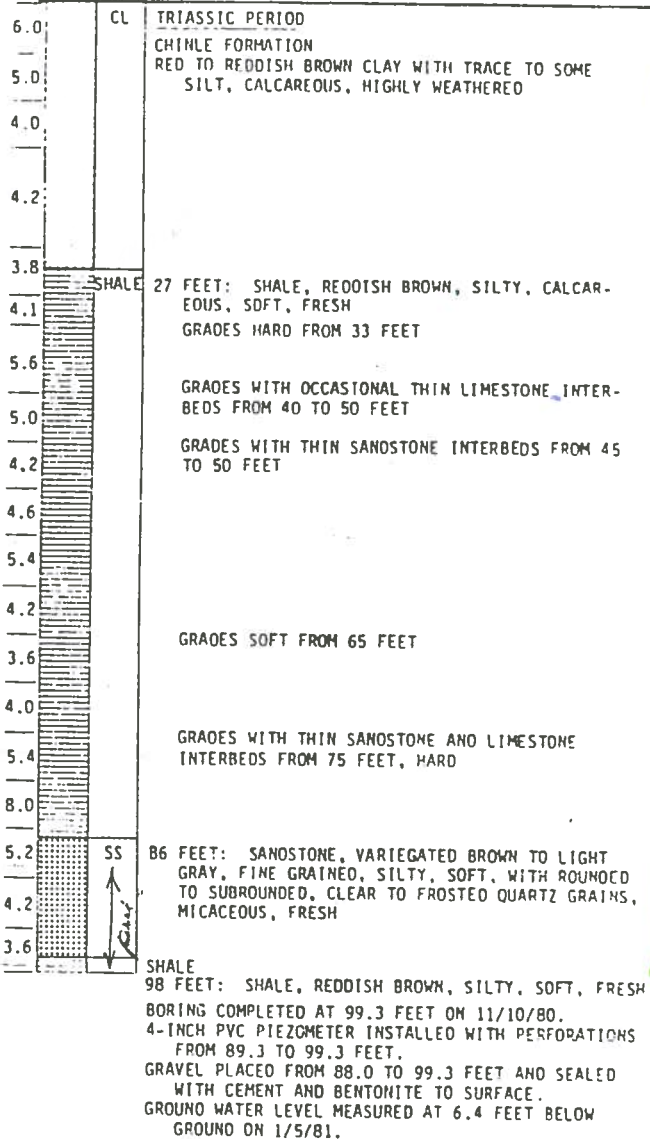
BORING OW-1

SURFACE ELEVATION: 6868 FEET

PENETRATION RATE
MINUTES/FOOT

SYMBOLS

DESCRIPTION



KEY TO BORINGS ROCK SYMBOLS

SHALE SANDSTONE MUDSTONE

NOTES:

- PENETRATION RATE IN MINUTES PER FOOT WAS DETERMINED BY THE TIME REQUIRED TO DRILL EACH INTERVAL SHOWN WITH A CABLE TOOL RIG.
- ESTIMATES OF SOIL CONSISTENCY AND ROCK STRENGTH ARE BASED ON PENETRATION RATE USING THE FOLLOWING CRITERIA:
< 4.2 MIN./FT. - SOFT
> 4.2 MIN./FT. - HARD
- ELEVATION GIVEN IN FEET ABOVE MEAN SEA LEVEL.
- SOIL CLASSIFICATION IS BASED ON UNIFIED SOIL CLASSIFICATION SYSTEM (PLATE A2-1).
- ALL DEPTHS REFER TO DEPTH BELOW GROUND.
- SEE PLATE 1 FOR LOCATION OF WELLS.

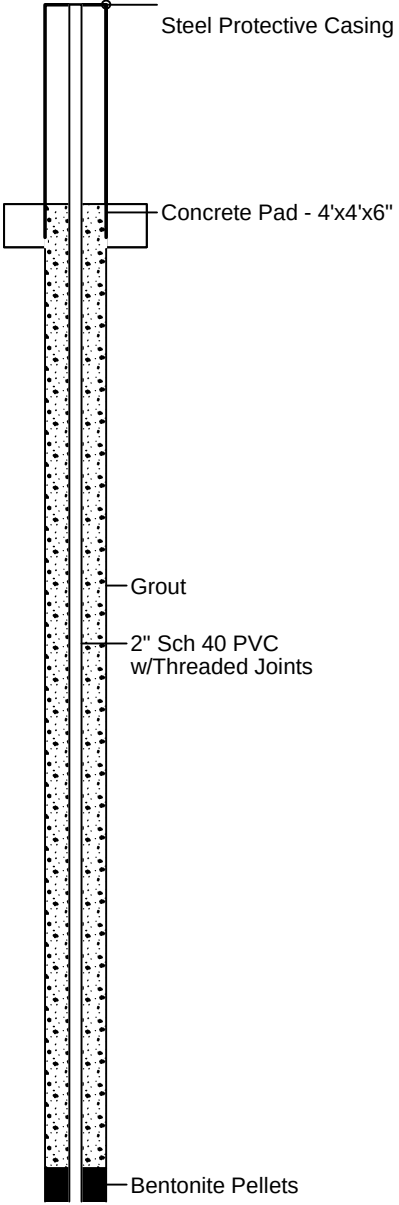
LOG OF BORINGS

Western Refining SW, Inc
Gallup Refinery
Job No. WEST17020

Geologist : Tracy Payne
Driller : Enviro-Drill Inc/Cohagan
Drilling Rig : CME75
Drilling Method : Hollow Stem Auger 7 1/4"
Sampling Method : 2' Split Spoon/
Comments : Hand Auger to 5' BGL
Total Depth : 44'
Ground Water : Not Encountered
Start Date : 6/14/2017
Finish Date : 6/14/2017

WELL NO. BW-4A
(Sheet 1 of 3)

Elev., TOC (ft.msl) : 6873.18
Elev., PAD (ft. msl) : 6870.67
Elev., GL (ft. msl) :
Site Coordinates :
N : N1634063.05
E : W2542465.22

							Completion Results	
							Well No. BW-4A	
Depth (ft.)	PID (ppm)	Saturation	Lithology	USCS	Recovery (%)	Sample	DESCRIPTION	
-3								
-2								
-1								
0								
1	7.7			CL	100			
2								
3	9.5			CH	100			
4								
5	9.0			CH	100			
6								
7	6.8			CH	90			
8								
9	5.4			CH	80			
10								
11	3.3			CH	80			
12								
13	5.8			CH	50			
14								
15	4.0			CH				

DiSorbo Consulting, LLC

1010 Travis Street
Houston, Texas 77002
713-955-1230

8501 N. MoPac Expy, Suite 300
Austin, Texas 78759
512-693-4190

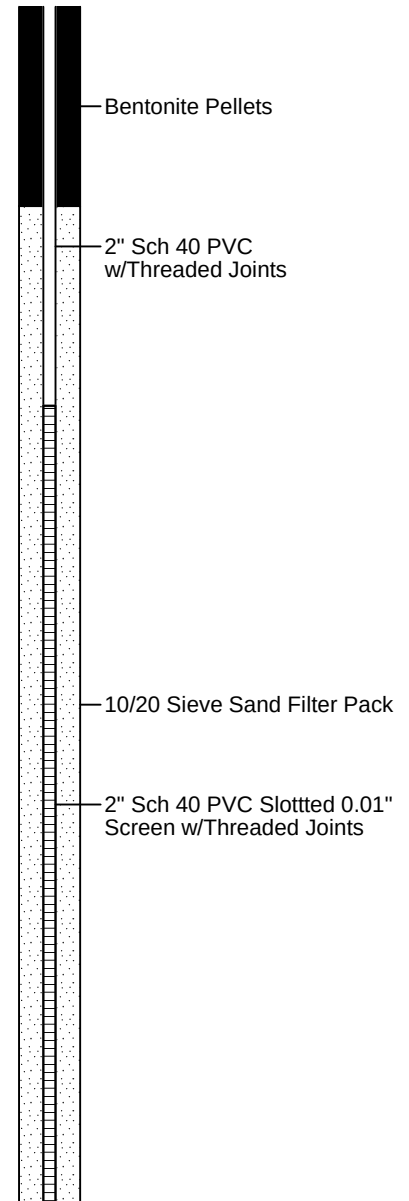
Western Refining SW, Inc
Gallup Refinery
Job No. WEST17020

Geologist : Tracy Payne
Driller : Enviro-Drill Inc/Cohagan
Drilling Rig : CME75
Drilling Method : Hollow Stem Auger 7 1/4"
Sampling Method : 2' Split Spoon/
Comments : Hand Auger to 5' BGL
Total Depth : 44'
Ground Water : Not Encountered
Start Date : 6/14/2017
Finish Date : 6/14/2017

WELL NO. BW-4A
(Sheet 2 of 3)

Elev., TOC (ft.msl) : 6873.18
Elev., PAD (ft. msl) : 6870.67
Elev., GL (ft. msl) :
Site Coordinates :
N : N1634063.05
E : W2542465.22

Depth (ft.)	PID (ppm)	Saturation	Lithology	USCS	Recovery (%)	Sample	DESCRIPTION	Completion Results
15	4.0			CH	60			
16							CLAY, STA, no odor,	
17	2.0			CH	80			
18							CLAYEY SILT, low, firm/crumblly, damp, light brown/tan, no odor,	
19	6.9			ML	40			
20							CLAYEY SILT/SILTY CLAY, STA, interbedded, no odor,	
21	5.0			ML/CL	70			
22							CLAYEY SILT, low, firm/crumblly,damp, tan, no odor,	
23	3.6			ML	50			
24							CLAYEY SILT/SILTY CLAY, STA, interbedded, no odor,	
25	3.7			ML/CL	60			
26							CLAY, high, very stiff, damp, brown, no odor,	
27	6.2			CH	60			
28							CLAY, STA, darker brown, no odor,	
29	3.5			CH	70			
30							CLAY, STA, no odor,	
31	6.1			CH	80			
32							SILTY CLAY, low, very stiff, damp, no odor, light brown (reddish), trace very fine grain sand,	
33	6.1			CL				



Western Refining SW, Inc
Gallup Refinery
Job No. WEST17020

Geologist : Tracy Payne
Driller : Enviro-Drill Inc/Cohagan
Drilling Rig : CME75
Drilling Method : Hollow Stem Auger 7 1/4"
Sampling Method : 2' Split Spoon/
Comments : Hand Auger to 5' BGL
Total Depth : 44'
Ground Water : Not Encountered
Start Date : 6/14/2017
Finish Date : 6/14/2017

WELL NO. BW-4A
(Sheet 3 of 3)

Elev., TOC (ft.msl) : 6873.18
Elev., PAD (ft. msl) : 6870.67
Elev., GL (ft. msl) :
Site Coordinates :
N : N1634063.05
E : W2542465.22

Depth (ft.)	PID (ppm)	Saturation	Lithology	USCS	Recovery (%)	Sample	DESCRIPTION	Completion Results
33	6.1			CL	60			Well No. BW-4A 2" Sch 40 PVC Slotted 0.01" Screen w/Threaded Joints 2" Flush Threaded Sch 40 PVC Cap 10/20 Sieve Sand Filter Pack
34							CLAYEY SILT/SILTY CLAY, low, firm to stiff, damp, reddish brown and grey, alternating silt/clay, no odor,	
35	3.8			ML/CL	80			
36							SILTY CLAY, low, stiff, damp, reddish brown and grey (less grey than above), no odor,	
37	6.1			CL	60			
38							SILTY CLAY, STA, no odor,	
39	5.2			CL	60			
40							SILTY CLAY, STA, reddish brown and grey, no odor,	
41	4.2			CL	70			
42							SILTY CLAY, STA, no odor.	
43	3.9			CL	60			
44								
45								
46								
47								
48								
49								
50								
51								

Western Refining SW, Inc
Gallup Refinery
Job No. WEST17020

Geologist : Tracy Payne
Driller : Enviro-Drill Inc/Cohagan
Drilling Rig : CME75
Drilling Method : Hollow Stem Auger 7 1/4"
Sampling Method : 2' Split Spoon -
Comments : Hand Auger to 5' BGL
Total Depth : 90'
Ground Water : Not Encountered
Start Date : 6/15/2017
Finish Date : 6/16/2017

WELL NO. BW-4B

(Sheet 1 of 5)

Elev., TOC (ft.msl) : 6873.23
Elev., PAD (ft. msl) : 6870.62
Elev., GL (ft. msl) :
Site Coordinates :
N : N1634043.22
E : W2542462.98

Depth (ft.)	PID (ppm)	Saturation	Lithology	USCS	Recovery	Sample	DESCRIPTION	Completion Results
								Well No. BW-4B
-3								
-2								
-1								
0								
1	1.3			CL	100		SILTY CLAY, low, firm, dry to damp, brown, no odor,	
2								
3	1.2			CH	100		CLAY, high, stiff, damp, brown, no odor,	
4								
5	1.3			CH	100		CLAY, SIMILAR TO ABOVE (STA), very stiff, no odor,	
6								
7	1.7			CH	90		CLAY, STA, no odor,	
8								
9	2.0			CH	80		CLAY, STA, no odor,	
10								
11	2.1			CH	80		CLAY, STA, no odor,	
12								
13	3.1			CH	80		CLAY, STA, no odor,	
14								
15	3.4			CH	80		CLAY, STA, no odor,	
16								
17	5.1			CH			CLAY, STA, no odor,	

Steel Protective Casing

Concrete Pad - 4'x4'x6"

2" Sch 40 PVC
w/Threaded Joints

Grout

DiSorbo Consulting, LLC

1010 Travis Street
Houston, Texas 77002
713-955-1230

8501 N. MoPac Expy, Suite 300
Austin, Texas 78759
512-693-4190

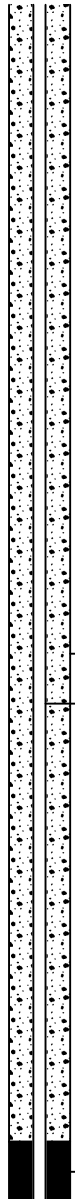
Western Refining SW, Inc
Gallup Refinery
Job No. WEST17020

Geologist : Tracy Payne
Driller : Enviro-Drill Inc/Cohagan
Drilling Rig : CME75
Drilling Method : Hollow Stem Auger 7 1/4"
Sampling Method : 2' Split Spoon -
Comments : Hand Auger to 5' BGL
Total Depth : 90'
Ground Water : Not Encountered
Start Date : 6/15/2017
Finish Date : 6/16/2017

WELL NO. BW-4B

(Sheet 2 of 5)

Elev., TOC (ft.msl) : 6873.23
Elev., PAD (ft. msl) : 6870.62
Elev., GL (ft. msl) :
Site Coordinates :
N : N1634043.22
E : W2542462.98

Depth (ft.)	PID (ppm)	Saturation	Lithology	USCS	Recovery	Sample	DESCRIPTION	Completion Results	
								Well No. BW-4B	
17	5.1			CH	70			 Grout 2" Sch 40 PVC w/Threaded Joints Bentonite Pellets	
18							CLAYEY SILT, low, firm/crumblly, damp, light brown/tan, no odor,		
19	3.2			ML	60				
20							CLAYEY SILT/SILTY CLAY, STA, no odor, interbedded,		
21	3.9			ML/CL	70				
22							CLAYEY SILT, low, firm/crumblly, damp, brown and tan, no odor,		
23	3.5			ML	60				
24				ML/CL	60		CLAYEY SILT/SILTY CLAY, STA, no odor,		
25	3.9			CH	60		CLAY, high, very stiff, damp, brown, no odor,		
26							CLAY, STA, darker brown, no odor,		
27	1.8			CH	70				
28							SILTY CLAY, moderate to low, very stiff, damp, dark brown grading to light reddish brown, trace fine grain sand at base, no odor,		
29	1.8			CL	80				
30				CL	80		SILTY CLAY, STA,		
31	2.0			CL	80		SANDY GRAVELLY CLAY, low, stiff, dry to damp, light grey and brown, no odor,		
32				CL	80		SILTY CLAY, low, stiff, damp, reddish brown, no odor,		
33	2.2			ML/CL	80		CLAYEY SILT/SILTY CLAY, low, firm/crumblly, damp, reddish brown and grey,		
34							SILTY CLAY, STA, no odor,		
35	5.6			CL	80				
36	3.6			CL			SILTY CLAY, STA, no odor,		
37									

DiSorbo Consulting, LLC

1010 Travis Street
Houston, Texas 77002
713-955-1230

8501 N. MoPac Expy, Suite 300
Austin, Texas 78759
512-693-4190



Western Refining SW, Inc
Gallup Refinery
Job No. WEST17020

Geologist : Tracy Payne
Driller : Enviro-Drill Inc/Cohagan
Drilling Rig : CME75
Drilling Method : Hollow Stem Auger 7 1/4"
Sampling Method : 2' Split Spoon -
Comments : Hand Auger to 5' BGL
Total Depth : 90'
Ground Water : Not Encountered
Start Date : 6/15/2017
Finish Date : 6/16/2017

WELL NO. BW-4B

(Sheet 3 of 5)

Elev., TOC (ft.msl) : 6873.23
Elev., PAD (ft. msl) : 6870.62
Elev., GL (ft. msl) :
Site Coordinates :
N : N1634043.22
E : W2542462.98

Depth (ft.)	PID (ppm)	Saturation	Lithology	USCS	Recovery	Sample	DESCRIPTION	Completion Results
								Well No. BW-4B
37	3.6			CL	80			
38							SILTY CLAY, STA, no odor,	Bentonite Pellets
39	2.3			CL	80			
40							SILTY CLAY, STA, no odor,	
41	6.2			CL	80			2" Sch 40 PVC w/Threaded Joints
42							SILTY CLAY, STA, no odor,	
43	5.0			CL	70			
44				CL	80		SILTY CLAY, STA, no odor,	
45	2.6			CL	80		GRAVELLY SILTY CLAY, low, firm/crumbly, dry-calcium carbonate nodules, grey and reddish brown, no odor,	
46							SANDY CLAY, low, firm/crumbly, dry, grey and reddish brown, very fine grain sand, no odor,	
47	3.5			CL	80		SILTY CLAY, low, very stiff, dry to damp, reddish brown, no odor,	
48							SILTY CLAY, STA, no odor,	10/20 Sieve Sand Filter Pack
49	1.9			CL	80			
50							SILTY CLAY, STA, no odor,	2" Sch 40 PVC Slotted 0.01" Screen w/Threaded Joints
51	5.1			CL	80			
52							SILTY CLAY, STA, trace grey clay, occasional gravel, no odor,	
53	5.6			CL	70			
54							SILTY CLAY, low, very stiff, dry to damp, reddish brown, no odor,	
55	3.8			CL	70			
56	3.4			CL			SILTY CLAY, STA, trace grey clay, no odor,	
57								

DiSorbo Consulting, LLC

1010 Travis Street
Houston, Texas 77002
713-955-1230

8501 N. MoPac Expy, Suite 300
Austin, Texas 78759
512-693-4190

Western Refining SW, Inc
Gallup Refinery
Job No. WEST17020

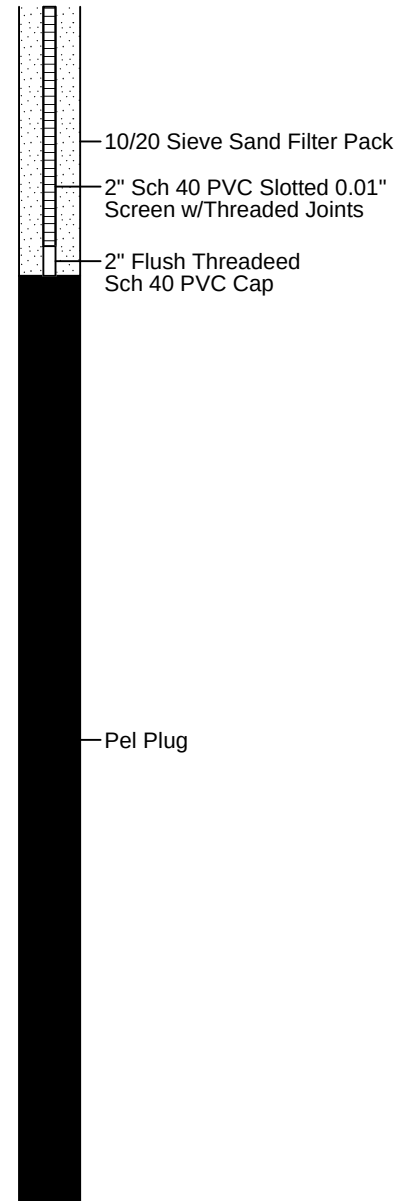
Geologist : Tracy Payne
Driller : Enviro-Drill Inc/Cohagan
Drilling Rig : CME75
Drilling Method : Hollow Stem Auger 7 1/4"
Sampling Method : 2' Split Spoon -
Comments : Hand Auger to 5' BGL
Total Depth : 90'
Ground Water : Not Encountered
Start Date : 6/15/2017
Finish Date : 6/16/2017

WELL NO. BW-4B

(Sheet 4 of 5)

Elev., TOC (ft.msl) : 6873.23
Elev., PAD (ft. msl) : 6870.62
Elev., GL (ft. msl) :
Site Coordinates :
N : N1634043.22
E : W2542462.98

Depth (ft.)	PID (ppm)	Saturation	Lithology	USCS	Recovery	Sample	DESCRIPTION	Completion Results
57	3.4			CL	60			Well No. BW-4B
58							SILTY CLAY, STA, no odor,	
59	2.4			CL	80			
60							SILTY CLAY, low, very stiff, dry to damp, reddish brown grey clay, no odor,	
61	4.9			CL	80			
62							SILTY CLAY, STA, no odor,	
63	1.7			CL	80			
64							SILTY CLAY, STA, no odor,	
65	5.8			CL	80			
66							SILTY CLAY, STA,	
67	2.7			CL	80			
68							SILTY CLAY, low, very stiff, calcareous, dry to damp, brown and blueish grey, no odor,	
69	3.9			CL	80			
70							SILTY CLAY, low, firm/crumbly, damp, reddish brown, no odor,	
71	1.6			CL	80			
72							SILTY CLAY, STA, no odor,	
73	1.7			CL	60			
74							SILTY CLAY, STA, no odor,	
75	1.0			CL	60			
76	0.1			CL			SILTY CLAY, STA, no odor,	
77								





Western Refining SW, Inc
Gallup Refinery
Job No. WEST17020

Geologist : Tracy Payne
Driller : Enviro-Drill Inc/Cohagan
Drilling Rig : CME75
Drilling Method : Hollow Stem Auger 7 1/4"
Sampling Method : 2' Split Spoon -
Comments : Hand Auger to 5' BGL
Total Depth : 90'
Ground Water : Not Encountered
Start Date : 6/15/2017
Finish Date : 6/16/2017

WELL NO. BW-4B
(Sheet 5 of 5)

Elev., TOC (ft.msl) : 6873.23
Elev., PAD (ft. msl) : 6870.62
Elev., GL (ft. msl) :
Site Coordinates :
N : N1634043.22
E : W2542462.98

Depth (ft.)	PID (ppm)	Saturation	Lithology	USCS	Recovery	Sample	DESCRIPTION	Completion Results
77	0.1			CL	70			
78							SILTY CLAY, STA, no odor,	
79	0.4			CL	60			
80							SILTY CLAY, STA, no odor,	
81	0.1			CL	70			
82							SILTY CLAY, STA, no odor,	
83	0.2			CL	60			
84							SILTY CLAY, STA, very stiff, trace grey clay, no odor,	
85	0.0			CL	70			
86							SILTY CLAY, STA, no odor,	
87	0.1			CL	40			
88							SILTY CLAY, STA, imbedded with fine grain sandstone, hard/dense, white.	
89	0.2			CL/SS	40			
90								
91								
92								
93								
94								
95								
96								
97								



— Pel Plug

1010 Travis Street
Houston, Texas 77002
713-955-1230

DiSorbo Consulting, LLC

8501 N. MoPac Expy, Suite 300
Austin, Texas 78759
512-693-4190

Appendix B

Investigation Derived Waste Management Plan

Investigation Derived Waste (IDW) Management Plan

All IDW will be properly characterized and disposed of in accordance with all federal, State, and local rules and regulations for storage, labeling, handling, transport, and disposal of waste. The IDW may be characterized for disposal based on the known or suspected contaminants potentially present in the waste.

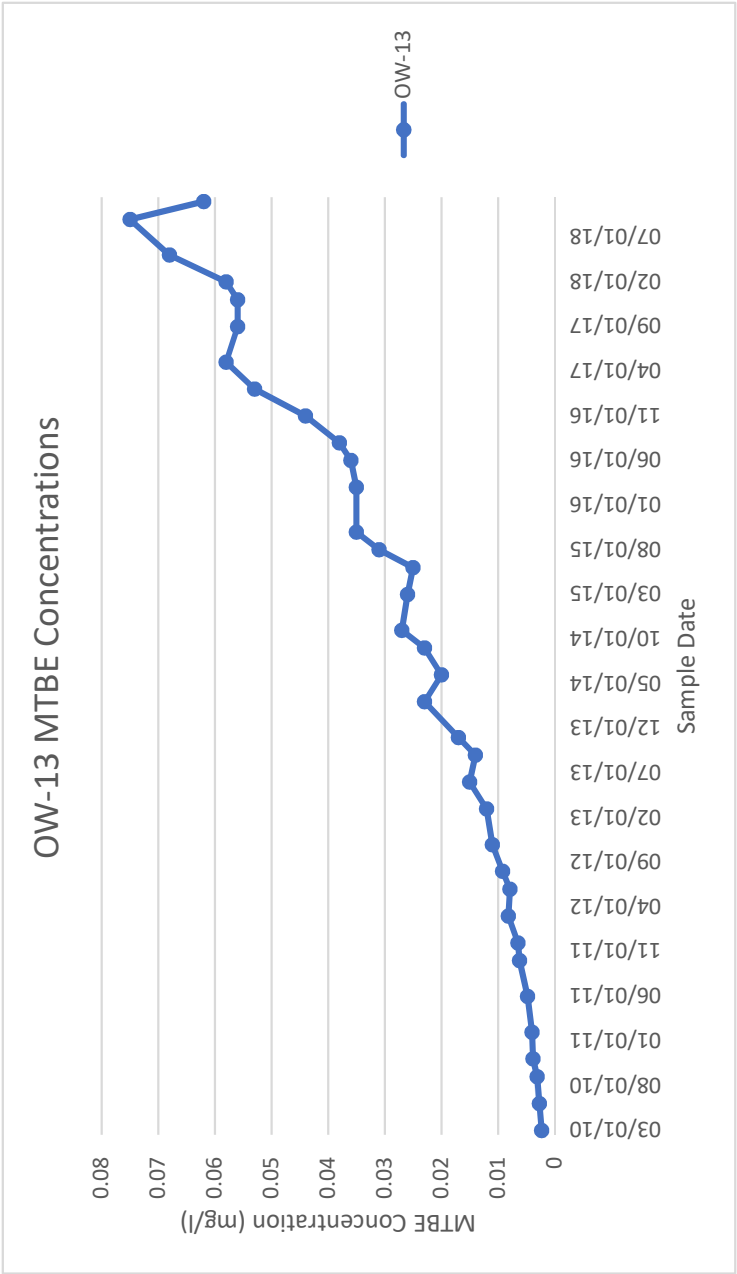
A dedicated decontamination area will be setup prior to any sample collection activities. The decontamination pad will be constructed so as to capture and contain all decontamination fluids (e.g., wash water and rinse water) and foreign materials washed off the sampling equipment. The fluids will be pumped directly into suitable storage containers (e.g., labeled 55-gallon drums), which will be located at satellite accumulation areas until the fluids are disposed in the refinery wastewater treatment system upstream of the API separator. The solids captured in the decontamination pad will be shoveled into 55-gallon drums and stored at the designated satellite accumulation area pending proper waste characterization for off-site disposal.

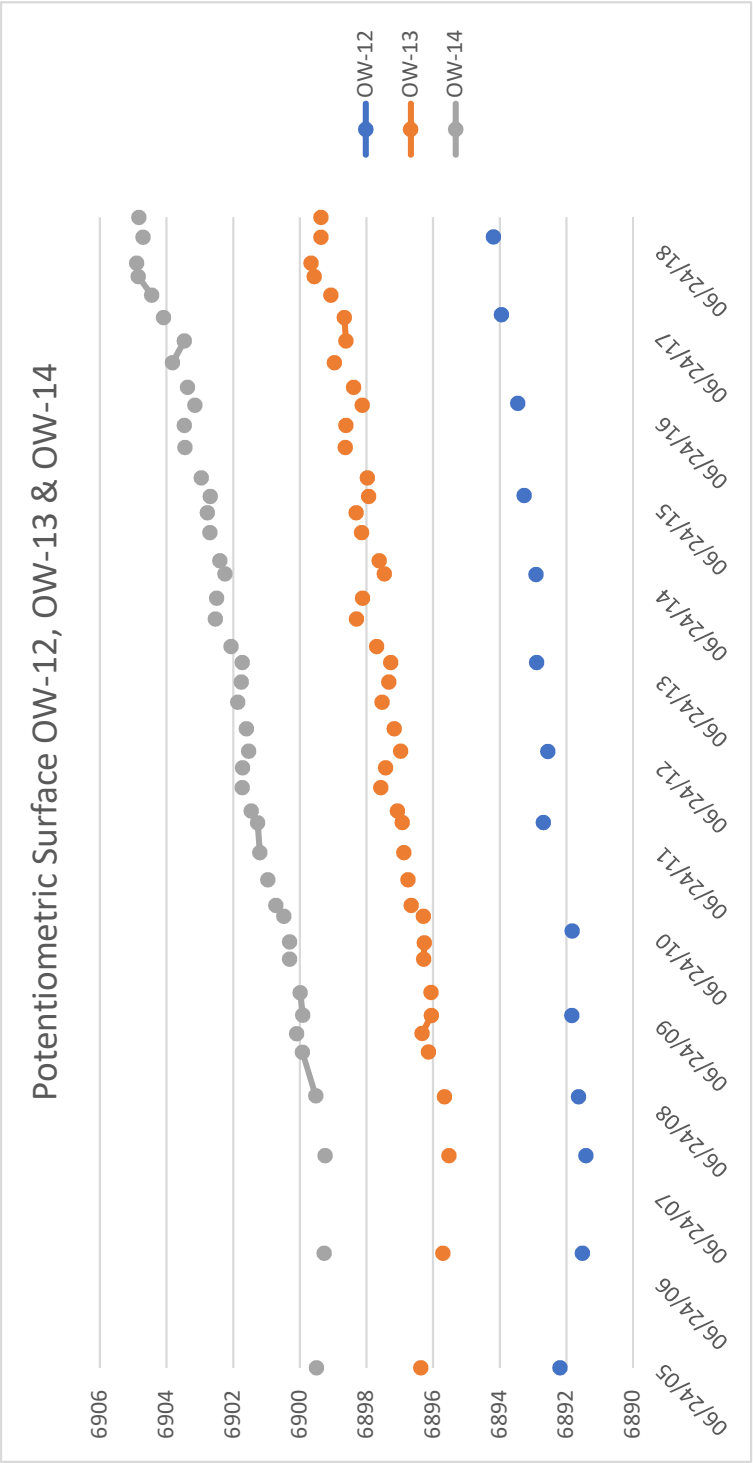
Drill cuttings generated during installation of soil borings will be placed directly into 55-gallon drums and staged in the satellite accumulation area pending results of the waste characterization sampling. The portion of soil cores, which are not retained for analytical testing, will be placed into the same 55-gallon drums used to store the associated drill cuttings.

The solids (e.g., drill cuttings and used soil cores) will be characterized by testing to determine if there are any hazardous characteristics in accordance with 40 Code of Federal Regulations (CFR) Part 261. This includes tests for ignitability, corrosivity, reactivity, and toxicity. If the materials are not characteristically hazardous, then further testing will be performed pursuant to the requirements of the facility to which the materials will be transported. Depending upon the results of analyses for individual investigation soil samples, additional analyses may include VOCs, TPH and polynuclear aromatic hydrocarbons (PAHs).

Appendix C

OW-13 Data Graphs





Appendix D

Well Development and Purging Procedures

Well Development

All monitoring wells will be developed to create an effective filter pack around the well screen, correct damage to the formation caused by drilling, remove fine particles from the formation near the borehole, and assist in restoring the natural water quality of the aquifer in the vicinity of the well. Newly installed monitoring wells will not be developed for at least 48 hours after the surface pad and outer protective casing are installed. This will allow sufficient time for the well materials to cure before the development procedures are initiated. A new monitoring well will be developed until the column of water in the well is free of visible sediment, and the pH, temperature, turbidity, and specific conductivity have stabilized. In most cases, the above requirements can be satisfied. However, in some cases, the pH, temperature, and specific conductivity may stabilize but the water remains turbid. In this case, continuous flushing may be necessary to complete the well development. If the well is pumped dry, the water level will be allowed to sufficiently recover before the next development period is initiated. The common methods used for developing wells include:

- (1) pumping and over-pumping;
- (2) backwashing;
- (3) surging (with a surge block);
- (4) bailing;
- (5) jetting; and
- (6) airlift pumping.

These development procedures will be used, either individually or in combination, to achieve the most effective well development. However, the most favorable well development methods include pumping, over-pumping, bailing, surging, or a combination of these methods. Well development methods and equipment that alter the chemical composition of the groundwater will not be used.

Development methods that involve adding water or other fluids to the well or borehole, or that use air to accomplish well development will be avoided, if possible. Approval will be obtained from the NMED prior to introducing air, water, or other fluids into the well for the purpose of well development. If water is introduced to a borehole during well drilling and completion, then the same or greater volume of water will be removed from the well during development. In addition, the volume of water withdrawn from a well during development will be recorded, and best efforts will be used to avoid pumping wells dry during development activities.

Well Purging

All zones in each monitoring well will be purged by removing groundwater prior to sampling and in order to ensure that formation water is being sampled. Purge volumes will be determined by monitoring, at a minimum, groundwater pH, specific conductance, dissolved oxygen concentrations, turbidity, redox potential, and temperature during purging of volumes and at measurement intervals of not less than $\frac{1}{4}$ the pre-purge well volume. The groundwater quality parameters and fluid levels will be measured using a YSI Professional Plus Multiparameter Meter, YSI Water Quality Sonde, Hach Portable Turbidimeter, and a Geotech Interface Meter. The volume of groundwater purged, the instruments used, and the readings obtained at each interval will be recorded on the field monitoring log. In general, water samples may be obtained from the well after the measured parameters of the purge water have stabilized to within ten percent for three consecutive measurements. Well purging

may also be conducted in accordance with the NMED's Position Paper "Use of Low-Flow and other Non-Traditional Sampling Techniques for RCRA Compliant Groundwater Monitoring" (October 30, 2001). If necessary, a written request for a variance from the described methods of well purging for individual wells may be submitted to NMED no later than 90 days prior to scheduled sampling activities.

Appendix E

Potentiometric Surface Map



FIGURE 10
2018 ALLUVIUM / CHINLE GROUP INTERFACE
WATER ELEVATION MAP
MARATHON - GALLUP REFINERY

Marathon - Gallup Refinery
92 Giant Crossing Road
Gallup, New Mexico 87301
Date: September 10, 2019

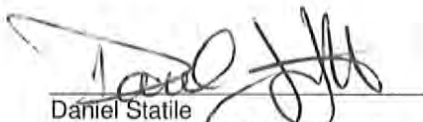
Annual Groundwater Monitoring Report Gallup Refinery – 2015



Western Refining
Gallup, New Mexico
August 2016

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Daniel Statile
Vice President, Gallup Refinery

Date 8/19/16

Reviewed by:



Ed Riege, MPH
Manager Remediation

TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
SECTION 1 INTRODUCTION	10
1.1 FACILITY OWNERSHIP, OPERATION AND LOCATION	10
1.2 BACKGROUND INFORMATION.....	11
1.3 SITE CHARACTERISTICS.....	14
SECTION 2 SCOPE OF ACTIVITIES 2014.....	17
2.1 MONITORING AND SAMPLING PROGRAM	17
2.2 SAMPLING METHODS AND PROCEDURES	18
2.2.1 EQUIPMENT	20
2.3 COLLECTION AND MANAGEMENT OF INVESTIGATION DERIVED WASTE.....	21
2.4 COLLECTION OF SURFACE WATER SAMPLES	21
2.5 ANALYTICAL METHODS.....	21
2.6 PERIMETER INSPECTION.....	21
2.7 REMEDIATION ACTIVITIES	21
SECTION 3 GROUNDWATER DTW /DTP ELEVATION DATA.....	23
SECTION 4 REGULATORY CRITERIA	24
SECTION 5 GROUNDWATER ELEVATIONS	25
SECTION 6 GROUNDWATER MONITORING RESULTS.....	26
6.1 CONSTITUENT LEVELS IN GROUP A MONITORING WELLS.....	26
6.1.1 BOUNDARY WELLS (BW-1A / 1B/ 1C, BW-2A / 2B/ 2C, BW-3A / 3B/ 3C)	26

TABLE OF CONTENTS - continued

6.1.2	LAND TREATMENT UNIT (MW-1, MW-2, MW-4, MW-5, SMW-2, AND SMW-4	27
6.2	CONSTITUENT LEVELS IN GROUP B MONITORING WELLS.....	29
6.2.1	GROUNDWATER MONITORING WELLS (GWM-1, GWM-2, GWM-3)	29
6.2.2	GROUNDWATER MONITORING WELLS: NAPIS-1, NAPIS-2, NAPIS-3, KA3	31
6.2.3	LEAK DETECTION UNITS (LDU): EAST LDU, OIL SUMP LDU, WEST LDU.....	33
6.2.4	GROUNDWATER MONITORING WELL: OAPIS - 1	34
6.2.5	STP1-NW AND STP1-SW.....	35
6.3	CONSTITUENT LEVELS IN GROUP C MONITORING WELLS	35
6.3.1	OBSERVATION WELLS: OW-13, OW-14, OW-29, OW-30.....	36
6.3.2	OBSERVATION WELLS: OW-50, OW-52	37
6.3.3	RECOVERY WELLS: RW-1, RW-2, RW-5, RW-6	38
6.4	CONSTITUENT LEVELS IN GROUP D MONITORING WELLS	39
6.4.1	PROCESS WELLS: PW-2, PW-3, PW-4.....	39
6.4.2	OBSERVATION WELLS: OW-1 AND OW-10.....	40
6.4.3	OBSERVATION WELLS: OW-11 AND OW-12.....	41
6.5	CONSTITUENT LEVELS IN GROUP E MONITORING WELLS	42
6.6	CONSTITUENT LEVELS FOR MKTF WELLS.....	42
6.7	CONSTITUENT LEVELS FOR EVAPORATION PONDS, INFLUENTS, AND EFFLUENTS	44
6.7.1	EVAPORATION PONDS 1 THROUGH 12B	45
6.7.2	INFLUENTS: AL-1, AL-2, AND EP-1.....	46

TABLE OF CONTENTS - continued

6.7.3	EFFLUENTS: AL-2 TO EP-1, PILOT, AND NAPIS	46
6.7.4	OUTFALL BW TO EP-2	47
6.7.5	OUTFALL STP1 TO EP-2 INLET	47
6.8	ADDITIONAL SAMPLING AND / OR CHANGES.....	47
SECTION 7 CONCLUSIONS AND RECOMMENDATIONS		49
7.1	GROUP A	49
7.2	GROUP B – GROUNDWATER MONITORING.....	50
7.3	GROUP C – GROUNDWATER MONITORING	51
7.4	GROUP D – GROUNDWATER MONITORING	52
7.5	GROUP E – GROUNDWATER MONITORING.....	53
7.6	ADDITIONAL MONITORING.....	54
SECTION 8 DATA TABLES		55
SECTION 9 WELL DATA DTW/DTB MEASUREMENTS.....		56
SECTION 10.....		57

LIST OF FIGURES – SECTION 11

Figure 1	Regional Map Showing the Location of the Gallup Refinery
Figure 2	Topographic Map of the Gallup Refinery Site USGS Topographic Map – Gallup Quadrangle (Revised 1980)
Figure 3	Aerial Photograph of the Gallup Refinery
Figure 4	Regional Scale
Figure 5	Localized Scale: Flow Lines and Major Surface Water Bodies
Figure 6	Facilities and Well Groups
Figure 7	Typical South-North Geologic Profile (E. Plant)
Figure 8	S-N Section, Westerly Plant Area
Figure 9	Sonsela Water Elevation Map
Figure 10	Alluvium/Chinle GP Interface Water Elevation Map
Figure 11	Groundwater Elevation vs Time
Figure 11.1	Groundwater Elevation vs Time
Figure 11.2	Groundwater Elevation vs Time
Figure 11	Groundwater Elevation vs Time
Figure 11A	Groundwater Elevation vs Time
Figure 11B	Groundwater Elevation vs Time
Figure 12	Alluvial/Fluvial Upper Sand Water
Figure 13	Product Thickness Map
Figure 14	Typical West-East Geologic Profile
Figure 15	Well Group B Constituents
Figure 15.1	Well Group B Constituents
Figure 15.2	Well Group B Constituents
Figure 16	Well Group C Constituents
Figure 16.1	Well Group C Constituents
Figure 16.2	Well Group C Constituents
Figure 17A	Well Group E Constituents
Figure 17B	Well Group E Constituents
Figure 17.1	Well Group E Constituents

Figure 17.2	Well Group E Constituents
Figure 17.3	Well Group E Constituents
Figure 17.4	Well Group E Constituents
Figure 17.5	Well Group E Constituents
Figure 17.6	Well Group E Constituents
Figure 17.7	Well Group E Constituents
Figure 17.8	Well Group E Constituents
Figure 17.9	Well Group E Constituents

APPENDICES

APPENDIX A	SEPARATE PHASE HYDROCARBON RECOVERY LOGS
APPENDIX B	FIELD INSPECTION LOGS
APPENDIX C	APPLICABLE STANDARDS
APPENDIX D	SUMMARY OF EPA/NMED/RCRA ACTIVITY
APPENDIX E	SUMMARY OF ALL LEAKS, SPILLS, AND RELEASES
APPENDIX F	TEMPORARY LAND FARM ANALYTICAL RESULTS
APPENDIX G	HALL LABORATORY ANALYTICAL DATA

LIST OF ACRONYMS

AC	Alternating Current
AL	Aeration Lagoon
API	American Petroleum Institute
BMP	Best Management Practices
BOD	Biochemical Oxygen Demand
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
BW	Boundary Well
COC	Chain of Custody
COD	Chemical Oxygen Demand
DC	Direct Current
DGF	Dissolved Gas Flotation
DO	Dissolved Oxygen
DRO	Diesel Range Organics
DTB	Depth to Bottom
DTP	Depth to Product
DTW	Depth to Water
EP	Evaporation Pond
EPA	Environmental Protection Agency
FT	Foot/Feet
FWGWMP	Facility Wide Groundwater Monitoring Plan
GPM	Gallons Per Minute
GRO	Gasoline Range Organics
GWM	Groundwater Monitoring Well
HP	Horse Power
HWB	Hazardous Waste Bureau
IDW	Investigation Derived Waste
ISE	Ion Selective Electrode

LIST OF ACRONYMS - continued

LDU	Leak Detection Unit
LPG	Liquefied Petroleum Gas
LTU	Land Treatment Unit
MCL	Maximum Contaminant Level
MPPE	Macro Porous Polymer Extraction
MRO	Motor Oil Range Organics
MTBE	Methyl Tert Butyl Ether
mg/L	Milligrams/liter
mV	Millivolts
MW	Monitoring Well
NAIC	North American Industry Classification System
NAPIS	New American Petroleum Institute Separator
NAPL	Non Aqueous Petroleum Liquid
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NOD	Notice of Disapproval
NPDES	National Pollutant Discharge Elimination System
OBSM	Oil Bearing Secondary Material
OCD	Oil Conservation Division
OW	Observation Well
ORP	Oxidation Reduction Potential
PAH	Polycyclic Aromatic Hydrocarbon
PSTB	Petroleum Storage Tank Bureau
PVC	Polyvinyl Chloride
PW	Process Well
RCRA	Resource Conservation and Recovery Act
<RL	Less than the Applicable standards Detection Limit

LIST OF ACRONYMS - continued

RSL	Regional Screening Level
RW	Recovery Well
SMW	Shallow Monitoring Well
SPH	Separate Phase Hydrocarbon
STP	Sanitary Treatment Pond
SVOC	Semi-volatile Organic Compound
SMWU	Solid Waste Management Unit
SWPPP	Storm Water Pollution and Prevention Plan
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbon
µm	Micrometer
UPS	United Parcel Service
VOC	Volatile Organic Compounds
WQCC	Water Quality Control Commission
WWTP	Waste Water Treatment Plant
YTD	Year to Date

EXECUTIVE SUMMARY

The Annual Groundwater Monitoring Report for 2015 (Report) incorporates all of the field monitoring, sampling, and inspection of all active wells located on the facility. Analytical data and field notes are incorporated into this report to show any changes or discoveries of various constituents found in the groundwater collected for sampling. On February 15, 2012, Groundwater Discharge Permit GW-032 was rescinded by the Oil Conservation Division (OCD) of New Mexico. We are: however, required to continue to abate pollution of groundwater pursuant to 19.15.30 NMAC (Remediation) under case number AP-111 with remediation activities already in place under Groundwater Discharge Permit GW-032. Monitoring and field work activities conducted for 2015 followed the guidelines of the approved 2010, Revision 1, Annual Groundwater Monitoring Report, approved on December 12, 2012 and Approval with Modifications Facility Wide Ground Water Monitoring Work Plan 2012 Updates; 2013 Updates; 2014 Updates for 2015, dated July 24, 2015 from New Mexico Environmental Department Hazard Waste Bureau (NMED HWB).

GROUNDWATER MONITORING

There are a total of 87 monitoring wells located throughout the refinery property. The groundwater program consists of a number of sampling locations, target analytes, and monitoring frequencies which are monitored on a quarterly, semi-annual, and annual basis. A brief analytical summary is included while a more detailed summary is discussed in Section 7. In addition to the monitoring wells, there are two leak detection units (LDUs) at the new API Separator. These monitoring wells and LDUs have been grouped as follows:

GROUP A	GROUP B	GROUP C	GROUP D	GROUP E
BW-1A, 1B, 1C	GWM-1, 2, 3	OW-13, 14, 29, 30	PW-2, 3, 4	MKTF-1 thru
BW-2A, 2B, 2C	NAPIS-1, 2, 3, KA-3	OW-50, 52	OW-1, 10	MKTF-45
BW-3A, 3B, 3C	OAPIS-1	RW-1, 2, 5, 6	OW-11, 12	
MW-1, 2, 4, 5	East LDU, West LDU			
SMW-2, 4	STP1-NW			
	STP1-SW			

GROUP A - WELLS

- There are a total of nine boundary wells located on the northwest section of the refinery property. Three (BW-1A, 1B, 1C) are located between evaporation ponds 7 and 8, and three (BW-2A, 2B, 2C) are located on the west end of evaporation pond 11. BW-3A, 3B, 3C are located on flat terrain directly northwest of evaporation pond 12A. Three of the seven wells (BW-1A, BW-1B, and BW-3A) continue to indicate no water level since original installation in 2003 and 2004.
- No benzene, toluene, ethylbenzene, or total xylenes (BTEX) or methyl tert butyl ether (MTBE) constituents have been detected in any of the boundary wells to date.
- Bis(2-ethylhexyl)phthalate was first detected in BW-3B in 2009, BW-3C in 2011, and in BW-1C in 2013. The detection of this organic compound is suspected to be a laboratory contaminant or possibly from the polyvinyl chloride (PVC) pipe materials used in the well. Subsequent annual sample results have indicated non-detectable levels of the organic constituent in each of these wells.

Within this area of the refinery, three Resource Conservation Recovery Act (RCRA) land treatment units (LTU) exist. Each of the three LTU cells measure 480 feet x 240 feet and received hazardous waste application until 1990. Non-hazardous waste application ceased in 1993. Each section is diked and encompasses a surface area of 2.6 acres.

The MW series (MW-1, 2, 4, and 5) and SMW series (SMW-2, and SMW-4) of wells were installed to monitor the detection of hazardous constituents from the LTU in groundwater. On the northern edge (up gradient) of the LTU are three monitoring wells (MW-1, SMW-4 and MW-2). Down gradient along the eastern edge of the LTU are two monitoring wells (MW-5, SMW-2). MW-4 is located on the northwest corner of evaporation pond 2 (EP-2) and was installed as a background monitoring well. A summary of the laboratory analyses for these wells through 2015 includes:

- Low concentrations of MTBE were detected in SMW-2 from 2008 through 2015.
- Manganese and uranium concentrations have exceeded the WQCC standard since 2012 in SMW-2. SMW-4 has exceeded the standard for uranium concentrations since 2011.

In addition to the annual sampling requirements, the LTU monitoring wells are on a once every ten year sample schedule per the RCRA Post Closure Care Permit. The next RCRA Post Closure Care Permit sample event is scheduled to occur in 2019.

GROUP B - WELLS

The Group B wells are located within and around the aeration basin. Wells GWM-1, GWM-2 and GWM-3 are located on the west edge of Aeration Lagoon 2 (AL-2) and Pond 1. The NAPIS-2, NAPIS-3, and KA-3 wells are adjacent to the west bay of the New American Petroleum Institute Separator (NAPIS) and NAPIS-1 is located upstream on the southeast side of the east bay of the NAPIS. A leak detection unit (LDU) well, the West LDU, is located on the west bay of the NAPIS. The Oil Sump LDU and East Bay LDU wells are located on the east bay of the NAPIS. In July 2012, a well (OAPIS-1) was installed on the northwest side of Aeration Lagoon 1 (AL-1). The installation of this well resulted from the Solid Waste Management Units (SMWU) No. 1, Aeration Basin and SMWU No. 14, Old API Separator site investigation. The investigation work was implemented to determine if there had been a release from the aeration basin and to delineate impacts associated with any such releases. Information collected from this site investigation is also used to track groundwater in monitoring wells GWM-2 and GWM-3.

Two monitoring wells (STP1-NW and STP1-SW) were installed at the new sanitary treatment pond in May of 2014. STP1-NW is located on the west end of the north bay of STP-1, and STP1-SW is located on the southwest corner of the south bay of STP-1. Both of these wells were added to the ground water sampling plan.

A brief summary of laboratory analyses for the Group B wells for 2015 is listed below:

GWM-1, GWM-2, GWM-3

- No groundwater was present in GWM-2 and GWM-3 in 2015
- An SPH level was detected in GWM-1 in third quarter 2015 and no samples were collected in fourth quarter 2015. .
- High benzene concentrations have been detected in GWM-1 with low concentrations of toluene, ethylbenzene, total xylene and MTBE.
- Diesel range organics (DRO) were detected in GWM-1 during all four quarters of 2015. Gasoline range organics (GRO) were detected in the first and third quarters (not analyzed in the second quarter due to oil sample collection) and motor oil range organics (MRO) were detected only in the fourth quarter of 2015.
- Arsenic, iron, and manganese have been detected in GWM-1 at concentrations exceeding applicable standards in 2015.

- Twelve organic compounds were detected in GWM-1 in the third quarter all at concentration levels above the applicable standards.

NAPIS-1, NAPIS-2, NAPIS-3, and KA-3

- High concentrations of benzene and MTBE continue to be detected in NAPIS 2 throughout 2015.
- DRO/GRO have been detected in NAPIS 2 in 2015.
- Barium, iron and manganese were detected in NAPIS 2 at concentration levels exceeding the applicable standards in 2015.
- Iron and uranium were detected in all four quarters of 2015 in NAPIS 3 at concentration levels exceeding the WQCC standards. Manganese was detected in NAPIS 3 during the first quarter of 2015 at a concentration level exceeding the WQCC standard.
- Manganese was detected in all four quarters of 2015 above the applicable standard in KA-3.
- Naphthalene and 1-methylnaphthalene were detected exceeding the applicable standards for NAPIS-2 in 2015.

East LDU and West LDU

- BTEX and DRO/GRO were detected in the East and West LDU at levels exceeding applicable standards in 2015.
- Chromium, iron, and manganese have been detected in concentrations exceeding applicable standards in each of the LDU wells sampled in 2015. Neither total nor dissolved uranium was detected.
- The organic constituents 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and 1-methylnaphthalene have shown concentrations exceeding applicable standards in each of the LDU wells in 2015.

OAPIS-1

- Benzene and MTBE have exceeded the applicable standards in OAPIS-1 since 2013.
- Concentrations of fluoride, chloride, and DRO have shown exceedances in OAPIS-1 since 2013.
- Arsenic, iron, manganese, uranium, and cyanide have exceeded applicable standards in OAPIS-1 since 2013.
- Naphthalene and 1-methylnaphthalene have exceeded applicable standards in 2015.

STP1-NW and STP1=SW

- STP1-SW was dry in all of 2015.
- There were no detections of BTEX, MTBE, DRO, GRO, or MRO above applicable standards in 2015 in STP-1 NW.
- Chloride, nitrite and nitrate concentrations in STP1-NW exceeded applicable standards during each 2015 sampling event.

- Iron was detected in concentrations in STP1-NW exceeding applicable standards during the first three quarters of 2015.
- Total and dissolved uranium concentrations in STP1-NW were detected during all 2015 sampling events, but did not exceed applicable standards. Low concentrations of arsenic, barium, manganese, selenium, and zinc were detected during each 2015 event. A low concentration of chromium was detected during the second quarter sampling event in 2015.

GROUP C WELLS

Group C wells include six observation wells and four recovery wells. Observation well OW-14 is adjacent to the liquefied petroleum gas (LPG) compound while OW-13, OW-29, and OW-30 are located north of the tank farm. Observation wells OW-50 and OW-52 were installed in 2009 per NMED and monitor the potential for contaminant migration offsite. Recovery well RW-1 is located within the tank farm east of Tank 568 while RW-2 is located on the southwest side of Tank 576. Recovery well RW-5 and RW-6 are located northeast of Tank 345. The recovery wells were installed during a subsurface investigation conducted between 1987 and 1992 near the tank farm. BTEX concentrations and separate-phase hydrocarbons (SPH) were detected in the groundwater.

SPH recovery continues quarterly. When applicable, recovery is completed using a disposable hand-bailer in RW-5 and RW-6 and completed in RW-1 using a portable submersible pump. Measureable SPH has not been detected in RW-2. SPH was not detected in RW-5 and RW-6 during all of 2015. The SPH column thickness in RW-1 has increased during 2015.

A summary of the observation wells and recovery well laboratory analyses through 2015 is as follows:

OW-13, OW-14, OW-29, OW-30, OW-50, and OW-52

- Benzene has exceeded the EPA MCL standard in OW-14 since 2008 through 2015. MTBE concentrations have shown exceedances in OW-14, OW-29, and OW-30 since 2007 (2010 for OW-29) through 2015. No BTEX or MTBE constituents have been detected in OW-13, OW-50, and OW-52.
- Chloride has been detected above applicable standard in OW-14 from 2013 through 2015.
- DRO and GRO have been detected in OW-14, OW-29 and OW-30 in 2015.

RW-1, RW-2, RW-5, and RW-6

- BTEX concentrations have exceeded standards in RW-1 and RW-2 wells since 2011. RW-5 and RW-6 have exceeded standards for benzene since 2011. Total xylenes concentrations exceeded the standard for RW-6 from 2012 through 2015.

- During 2015, the organic constituents 1,2,4-trimethylbenzene exceeded the applicable standards in RW-2. In RW-5 and RW-6, the organic constituents 1,2,4-trimethylbenzene, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene concentrations exceeded the applicable standards in 2015.
- Hydrocarbon recovery from RW-1 has shown a steady decrease from 2005 through 2015. In 2015, total hydrocarbon recovery is estimated at 2.0 gallons in 54 gallons of water purged compared to the 2005 estimate of 431 gallons of hydrocarbons in 1,210 gallons of water. No measureable hydrocarbons have been detected in RW-2, RW-5 and RW-6 in 2015.

GROUP D WELLS

The Group D wells can be found within the refinery property and include three process/production wells (PW-2, PW-3 and PW-4) and four observation wells (OW-1, OW-10, OW-11, and OW-12). The process/production wells are used to provide process water for the refinery and drinking water for both the refinery and the Pilot Travel Center. PW-2 is located on the central west side of the refinery directly west of Evaporation Pond 6 (EP-6). PW-3 is centrally located on the refinery property north of the maintenance shop and west of the domestic water tank Z-86-T2. PW-4 is located south of the Pilot Lift Station. Each of the PW wells is screened at a depth of 1,000 feet. The observation well OW-1 is found west of PW-2 and is an artesian well. Observation well OW-10 is located east of Evaporation Pond 9 (EP-9), OW-11 is located on the west side of the main access road, and OW-12 is centrally located west of the refinery tank farm.

A summary of the Group D Wells laboratory analyses through 2015 is as follows:

PW-2, PW-3, and PW-4

- No BTEX or MTBE constituents were detected in the process wells in 2015.
- Low concentrations of fluoride, chloride and sulfate were detected in PW-3.
- Low concentrations of arsenic, barium and iron were detected in PW-3 but did not exceed applicable standards. Low total and dissolved uranium was detected in PW-3 at concentrations below the applicable standard.
- No VOCs SVOCs were detected in the process wells in 2015.

OW-1, OW-10, OW-11, and OW-12

- Low concentrations of BTEX and MTBE were detected in OW-1 and OW-10 during the last quarter of 2015, and low concentrations of MTBE were detected in OW-10 during all four quarters in 2015.
- Iron concentrations exceeded the WQCC standard in well OW-1 during the third quarter of 2015 and had a low concentration detected in fourth quarter 2015.

- Chloride concentrations exceeded the WQCC standard in well OW-10, and fluoride and sulfate exceeded the applicable standards in OW-11 and OW-12 during 2015.
- Uranium concentrations have exceeded the constituent standards in OW-1, OW-10, and OW-11 for 2015.
- During the 2013 annual sampling event, bis-2(ethylhexyl)phthalate was detected in OW-11 at a concentration exceeding the standard of 0.006 mg/L; however, this is suspected to be either a lab artifact or from the PVC well materials.

GROUP E WELLS

To date, a total of 44 monitoring wells (MKTF-1 through MKTF-44) have been installed to aid in delineating the extent of a hydrocarbon seep discovered in 2013 in an isolated area approximately 100 yards west of the crude tanks T-101 and T-102. A pre-existing well located in the seep investigation site area at the loading rack was added to the marketing wells and has been labeled as MKTF-45. Site investigations have included excavations within the seep area, soil/water samples, and the installation of six temporary sumps to recover the non-aqueous phase liquid (NAPL). Liquid recovery from the six sumps in 2015 is estimated at 189,707 gallons of NAPL and ground water. In the past, a hole was identified in the refinery's waste water process sewer line near the bundle cleaning pad and a leaking transmix transfer line was also identified in the area. Hydrocarbon recovery of twelve of the MKTF wells that have SPH in 2015 is estimated to be 11.2 gallons. Recovery of SPH from six temporary sumps and from the 12 wells that have a product layer are on-going. The measured SPH thickness is shown on Figure 13.

The MKTF wells are sampled quarterly. BTEX, MTBE, DRO, GRO, total and dissolved metals including uranium, and several VOCs and SVOCs have been detected in many of the wells above the referenced standards.

ADDITIONAL SITES MONITORED

The new waste water treatment plant (WWTP) and the new holding pond Sanitary Treatment Pond (STP-1) were completed and put in service in May of 2012. All waste water flow was routed to the WWTP in May 2012 and in January 2013, the demolition and removal of the benzene strippers was completed. Pilot effluent was routed to the WWTP in June of 2013 and the aeration lagoons and pond 1 are no longer receiving any flow. All influent and effluent sample sites continued between lagoons and pond 1 as long as there was continued gravitational flow.

Outfall BW to EP-2

- The flow from the boiler unit discharges into EP-2. It is sampled at its discharge point to the pond on a semi-annual basis for major cations/anions.
- The sulfate concentration exceeded the standard of 600 mg/L during the 2015 sample event.

Outfall STP1 to EP-2

- The EP-2 Inlet designation was changed to STP1 to EP-2 in the second half of 2012 as flow to the aeration lagoons and pond 1 were diverted to the new WWTP. Aeration lagoons and pond 1 were taken out of service and no longer receiving flow. STP-1 effluent now flows into the northeast corner of EP-2. The outfall is sampled on a quarterly basis.
- DRO concentrations exceeded the constituent respective standards in 2015.
- A low concentration of acetone was detected but is below applicable standards.

Evaporation Ponds

There are a total of eleven evaporation ponds that are sampled semi-annually. Pond 2 (EP-2) thru evaporation pond 6 (EP-6) are centrally located on the west end of the refinery property (west of the aeration basin) and evaporation pond 9 is located on the south section of the refinery property divided by a dirt road separating EP-9 from EP-2 through EP-6. Evaporation ponds 7, 8, 11, 12A/B are located on the northwest corner of the refinery boundary.

- Pond 1 is no longer in service, so it is no longer sampled.
- Low concentrations of benzene and toluene were detected in EP-2, EP-3, EP-4, and EP-12B in 2015.
- In 2015, concentrations of fluoride, chloride, sulfates, and COD exceeded the applicable WQCC standards in all of the evaporation pond samples. In 2015, BOD concentrations exceeded the applicable standards in all the evaporation pond samples except EP-5, EP-6, EP-7, and EP-9.
- Total and dissolved arsenic and manganese concentrations exceeded applicable standards in all of the ponds throughout 2015 with the exception EP-12A (dissolved manganese was less than applicable standard). Dissolved selenium and chromium exceeded applicable standards in EP-7 and dissolved chromium exceeded applicable standards in EP-9.
- Selenium concentrations exceeded applicable standards in E-7, EP-9, and EP-11,
- Low concentrations of total or dissolved uranium were detected in EP-2, EP-3, EP-4, EP-12A, and EP-12B
- The only VOC constituent detected in all the EP wells was a low concentration of acetone in EP-3.
- SVOC constituents that exceeded applicable standards for 2015 were bis(2-ethylhexyl)phthalate (EP-11) and phenol (EP-2 and EP-12B). Low concentrations of 3,4-methylphenol (EP-2, EP-4 and EP-12B).

ADDITIONAL APPLICABLE STANDARDS REQUIREMENTS

OCD Discharge Permit is now titled GW-032/AP111. The Discharge Permit was rescinded by NM-OCD on February 15, 2012; however Gallup is still required to continue with abatement of pollution of groundwater pursuant to 19.15.30 NMAC (Remediation), with remediation activities already in place.

This report includes:

Monitoring of the aeration lagoons, ponds and outfalls between the lagoons and ponds on a quarterly, semi-annual and annual basis. (Section 8)

- Major Refinery Activities and Events (Summary EPA/NMED/RCRA Activity) (AppendixD)
- Summary of All Leaks, Spills, and Releases (Appendix E)
- Temporary Land Farm Analytical Results (Appendix F – on CD)
- Analytical Data (Appendix G – on CD)

SECTION 1

INTRODUCTION

The 2015 Annual Groundwater Monitoring Report has been prepared to describe monitoring and remediation activities undertaken throughout 2015. Groundwater sampling is performed on a quarterly, semi-annual and annual basis and includes sampling of the evaporation ponds located on the northwest section of the refinery property. The activities completed include analysis of all active monitoring wells and evaporation ponds. The data generated is used to characterize the nature and extent of impacts to the groundwater at the refinery from historical releases and to monitor any levels of constituents that exceed applicable standards.

This report presents the results of the groundwater monitoring activities and contains the following information:

- Scope of activities
- Sampling methods and procedures
- Groundwater elevation surveys
- Regulatory criteria
- Groundwater monitoring results
- Conclusions and recommendations

1.1 FACILITY OWNERSHIP, OPERATION AND LOCATION

This report pertains to the Western Refining Southwest Inc., Gallup Refinery, located at Exit 39 on Interstate I-40, approximately 17 miles east of Gallup, New Mexico, in Jamestown, New Mexico. Figure 1 shows the regional location of the refinery.

Owner:	Western Refining	(Parent Corporation)
	123 West Mills Avenue, El Paso, TX 79901	



Operator: Western Refining Southwest, Inc. (Postal address)
Gallup Refinery
92 Giant Crossing Road, Gallup, NM 87301

Western Refining Southwest, Inc. (Physical address)
Gallup Refinery
I-40, Exit 39, Jamestown, New Mexico 87347

The following regulatory identification and permit governs the Gallup Refinery:

- SIC code 2911 (Petroleum Refining) applies to the Gallup Refinery
- U.S. EPA ID Number NMD000333211
- OCD Discharge case number AP-111(GW-032/AP-111)
- 2015 NPDES MSGP, ID #NMR053168

The refinery status is corrective action/compliance. Annual, semi-annual, and quarterly groundwater sampling is conducted at the refinery to evaluate present conditions. The refinery is situated on an 810 acre irregular shaped tract of land that is substantially located within the lower one-quarter of Section 28 and throughout Section 33 of Township 15 North, Range 15 west, of the New Mexico Prime Meridian. A small component of the property lies within the northeastern one-quarter of Section 4 of Township 14 North, Range 15 West. Figure 2 is a topographic map showing the general layout of the refinery in comparison to the local topography.

1.2 BACKGROUND INFORMATION

The refinery primarily receives crude oil via two 6-inch diameter pipelines; two pipelines from the Four Corners Area enter the refinery property from the north. In addition, the refinery also receives natural gasoline feed stocks via a 4-inch diameter pipeline that comes in from the west along the Interstate 40 corridor from the Wingate Plant, formerly Conoco gas plant. Crude oil and other products also arrive at the site via railroad cars. These feed stocks are then stored in tanks until refined into products.

The refinery incorporates various processing units that refine crude oil and natural gasoline into finished products. These units are briefly described as follows:

- Crude Distillation Unit: separates crude oil into various fractions; including gas, naphtha, light oil, heavy oil, and residuum
- Fluidized Catalytic Cracking Unit (FCCU): dissociates long-chain hydrocarbon molecules into smaller molecules, and essentially converts heavier oils into naphtha and lighter oils.\
- Alkylation Unit: combines specific types of hydrocarbon molecules into a high octane gasoline blending component.
- Reforming Unit: breaks up and reforms low octane naphtha molecules to form high octane naphtha.
- Hydro Treating Unit: removes undesirable sulfur and nitrogen compounds from intermediate feed stocks, and also saturates the feed stocks with hydrogen to make diesel fuel.
- Additional Treater Units: remove impurities from various intermediate and blending feed stocks to produce finished products that comply with sales specifications.
- A set of Acid Gas Treating and Sulfur Recovery Units: convert and recover various sulfur compounds from other processing units in order to produce either ammonium thiosulfate or a solid elemental sulfur byproduct.
- Waste Water Treatment Plant – process and treat refinery waste and storm water before releasing to treatment ponds.

As a result of these processing steps, the refinery produces a wide range of petroleum products including propane, butane, unleaded gasoline, diesel, kerosene, and residual fuel. In addition to the aforementioned processing units and various other equipment and systems support the operation of the refinery and are briefly described as follows: Storage tanks are used throughout the refinery to hold and store crude oil, natural gasoline, intermediate feed stocks, finished products, chemicals, and water. These tanks are all located aboveground and the capacity ranges from 80,000 barrels to less than 1,000 barrels. Pumps, valves, and piping systems are used throughout the refinery to transfer various liquids among storage tanks and processing units. A railroad spur track and a railcar loading rack are used to transfer feed stocks and products from refinery storage tanks into and out of railcars. Several tank truck loading areas are used at the refinery to load out finished products and also may receive crude oil, other feed stocks, additives, and chemicals.

Gasoline and diesel are delivered to the Pilot Travel Center via tanker truck. An underground diesel pipeline exists between the refinery and the Pilot Travel Center. As a result of an off-refinery release in 2011, the pipeline was purged of product, filled with nitrogen and temporarily taken out of service. Western worked with the NMED – PSTB (Petroleum Storage Tank Bureau) and the NM OCD (Oil Conservation Division) to

place this line back in service. In 2013 the underground diesel line from the Gallup Refinery to the Pilot Travel Center was replaced. The replaced line runs above ground from the marketing area of the refinery for approximately 150 feet and continues underground to the Pilot Travel Center. The diesel line was re-commissioned and put back in service on February 3, 2014. A designated area is used to conduct employee firefighting training. During these training activities waste water and/or wash water drains directly into a dedicated tank that is located in the vicinity. The waste water is removed via a vacuum truck and drained into a process sewer leading to the NAPIS after each training exercise. Oily water and sludge is transferred via vacuum truck to the NAPIS for processing and oil-water separation. The process waste water system is a network of curbing, paving, catch basins, and underground piping that collects waste water effluent from various processing areas within the refinery. The waste water effluent flows into T-27, T-28 and into T-35 (which works in parallel to T-27 and T-28) and into the NAPIS which provides the first stage oil-water separation where the removal of free oil is separated from waste water by gravity. The clarified water is routed to the waste water treatment plant (WWTP) Dissolved Gas Flotation (DGF) system which provides the second stage oil-water separation process. The DGF process involves the pressurization of waste water in the presence of air or nitrogen, creating a super-saturated solution called coagules that are carried to the surface. The float is removed to disposal by mechanical float scrapers and the effluent is recycled back to the flotation chamber. The skimmed float is sent to the DGF float management system, "float tanks". Oily solids collected in the float tanks are recycled through the refining process (on-site) or handled as a K048 listed hazardous waste for proper disposal. The clarified effluent from the DGF system was designed with the Macro Porous Polymer Extraction (MPPE) system however, the MPPE unit did not perform as expected from a flow rate standpoint. It removed benzene efficiently, but became plugged so that flow rates decreased below adequate levels. In December 2014, the MPPE was removed from service and replaced with the carbon canister system. The two systems ran in parallel for three months in the second half of 2014 followed by trial with carbon canisters for two months before the MPPE was removed from service. Flow rates up to 500 GPM can now be achieved through the carbon system. The waste water that passes through the carbon canisters discharges into the sanitary treatment pond (STP-1). STP-1 has two bays, north and south and each bay is equipped with five aerators. The treated waste water is mixed with air in order to oxidize any remaining organic constituents and increase the dissolved oxygen concentration available in the water for growth of bacteria and other microbial organisms. The microbes degrade most of

the hydrocarbons into carbon dioxide and water. Five 15-hp mechanical aerators provide aeration in each bay (North and South) in STP-1. Effluent from STP-1 then flows into evaporation pond 2 (EP-2) and is gravitated to the rest of the ponds. The initial startup of the new WWTP was in May of 2012 which resulted in the decommissioning of Benzene Strippers 1, 2, and 3, and the Aeration Lagoons 1 and 2 (AL-1 and AL-2). In November of 2012, the benzene strippers were taken off-line permanently and completely demolished in January of 2013. At the evaporation ponds, waste water is converted into vapor via solar and mechanical wind-effect evaporation. There are a total of four evaporators located at the ponds. Two 80 GPM, electrically driven water evaporators are located between evaporation ponds 4 and 5 (EP-4 and EP-5) and two additional 66 GPM sprayers were installed between ponds 3 and 4 in October 2014. No waste water is discharged from the refinery to surface waters of the U.S. All treated waste water is routed into several evaporation ponds which have large surface areas that are designed to efficiently evaporate water by sunlight and exposure to the changing ambient temperatures. The stormwater system is a network of valves, gates, berms, embankments, culverts, trenches, ditches, natural arroyos, and retention ponds that collect, convey, control, treat, and release stormwater that falls within or passes through refinery property. Stormwater that falls within the processing areas is handled with the process waste water and is sent to tanks T-27, T-28 and T-35, NAPIS, WWTP, STP-1 and into EP-2 where flow is gravitated to the rest of the evaporation ponds. Stormwater discharge from the refinery is infrequent due to the arid desert-like nature of the surrounding geographical area. Gallup Refinery maintains a Storm Water Pollution Prevention Plan (SWPPP) that includes Best Management Practices (BMPs) for effective storm water pollution prevention and control. The refinery has constructed several berms in various areas and improved outfalls (installed barrier dams equipped with gate valves) to minimize the possibility of potentially impacted runoff leaving the refinery property.

1.3 SITE CHARACTERISTICS

Built in the 1950's, the refinery is located within a rural and sparsely populated section of McKinley County, Jamestown, New Mexico, and located 17 miles east of Gallup, New Mexico. The setting is a high desert plain on the western slope of the Continental Divide. The surrounding land is comprised primarily of public lands and is used for cattle and sheep grazing at a density of less than six cattle or 30 sheep per section. The nearest population centers are the Pilot Travel Center (formerly Giant) refueling plaza, the Interstate 40

highway corridor, and a small cluster of residential homes located on the south side of Interstate 40, approximately 2 miles southwest of the refinery (Jamestown). Surface vegetation consists of native xerophytic vegetation including grasses, shrubs, small junipers and some prickly pear cacti. Average rainfall is less than ten inches per year with the maximum average precipitation occurring during the month of August.

Local topography consists of an inclined down-slope from high ground in the southeast to a lowland fluvial plain in the northwest. The highest point on refinery property is located at the southeast corner boundary (elevation approximately 7,040 feet) and the lowest point is located at the northwest corner boundary (elevation approximately 6,860 feet). The refinery processing facility is located on a flat man-made terrace at an elevation of approximately 6,950 feet.

Surface water in this region consists of man-made evaporation ponds and aeration basins located within the refinery, a livestock watering pond (Jon Myer's Pond) located one mile east of the refinery, two small unnamed spring fed ponds located south of the refinery, and the South Fork of the Puerco River and its tributary arroyos. The various ponds and basins typically contain water consistently throughout the year. The South Fork of the Puerco River and its tributaries are intermittent and generally only contain water during, and immediately after, the occurrence of precipitation.

The 810 acre refinery property site is located on a layered geologic formation. Surface soils generally consist of fluvial and alluvial deposits; primarily clay and silt with minor inter-bedded sand layers. Below the surface layer is the Chinle Formation, which consists of very low permeability clay stones and siltstones that comprise the shale of this formation. As such, the Chinle Formation effectively serves as an aquiclude. Inter-bedded within the Chinle Formation is the Sonsela Sandstone bed, which represents the uppermost potential aquifer in the region. The Sonsela Sandstone bed lies within and parallels the dip of the Chinle Formation. As such, its high point is located southeast of the refinery and it slopes downward to the northwest as it passes under the refinery. Due to the confinement of the Chinle Formation aquiclude, the Sonsela Sandstone bed acts as a water-bearing reservoir and is artesian at its lower extremis. Artesian conditions exist through much of the central and western portions of the refinery property.

Groundwater flow within the Chinle Formation is extremely slow and typically averages less than 10^{-10} centimeters per second (less than 0.01 feet per year). Groundwater flow within the surface soil layer, above the Chinle Formation, is highly variable due to the presence of complex and irregular stratigraphy; including

sand stringers, cobble beds, and dense clay layers. As such, hydraulic conductivity may range from 10^{-8} centimeters per second in the clay soil layers located near the surface and up to 10^{-2} centimeters per second in the gravelly sands immediately overlying the Chinle Formation. Figure 4 depicts the regional surface water flows are in a westerly direction and Figure 5 depicts surface water bodies and flow lines.

Shallow groundwater located under refinery property generally flows along the upper contact of the Chinle Formation. Although the prevailing flow direction is from the southeast and toward the northwest; a subsurface ridge has been identified and is thought to deflect some flow in a northeasterly direction in the vicinity of the refinery tank farm.

SECTION 2

SCOPE OF ACTIVITIES 2015

The 2015 quarterly and annual groundwater sampling, and semi-annual evaporation pond sampling was conducted by Western. The third quarter groundwater sampling was combined with the annual sampling event per approval from NMED and OCD and conducted in August 2015. The following is a list of monitoring and inspections completed for 2015:

- Separate Phase Hydrocarbon Recovery Logs – Appendix A
- Field Inspection Logs–Appendix B
- Temporary Land Farm Semi-Annual Sampling – Appendix J
- Data Tables, Analytical Data – Section 8
- Well Data DTW/DTB Measurements (Elevations) – Section 9
- Quarterly, Semiannual, Annual Inspections Summary – Section 10

2.1 MONITORING AND SAMPLING PROGRAM

The primary objective of groundwater monitoring program is to analyze groundwater samples collected and use data to assess groundwater quality at and near the refinery. Groundwater elevation data was collected to evaluate groundwater flow conditions. The groundwater monitoring program for the refinery consists of sample collection and analysis from a series of monitoring, recovery, boundary, process, and shallow monitoring wells, and includes evaporation pond locations.

The groundwater monitoring network is separated into five investigation areas (Group A, Group B, Group C, Group D, and Group E) plus the evaporation ponds and effluent from STP-1 to Pond 1. The sampling frequency, analyses and target analytes vary for each investigation areas. The combined data from these investigation area were used to assess groundwater quality beneath and immediately down-gradient of the refinery, and to evaluate local groundwater flow conditions. Samples were collected annually from all monitoring wells with the exception of recovery and/or monitoring wells that had a measurable separate-phase hydrocarbon (SPH) level. Wells that were purged dry, samples were collected if recharge volume

was sufficient for sample collection within a 24-hour period. Wells not sampled due to insufficient recharge were documented in the field logs.

Daily field activities, including observations and field procedures, were recorded for each activity and are maintained at the refinery. Field logs include the following information:

- Sample Location Identification
- Date
- Start and finish sampling time
- Field team members, including visitors
- Weather conditions
- Daily activities and times conducted
- Observations
- Record of samples collected with sample designations
- Photo log (if needed)
- Field monitoring data, including health and safety monitoring (if needed)
- Equipment used and calibration records, if appropriate
- List of additional data sheets and maps completed
- An inventory of the waste generated and the method of storage or disposal
- Signature of personnel completing the field record

All samples collected for analysis are recorded in the field report or data sheets. Chain-of-Custody (COC) forms are completed at the end of each sampling day, prior to the transfer of samples off-site. The signed copy of the COC is placed inside sample containers with the samples and shipped to the laboratory. A custody seal is affixed to the lid of the shipping container. Copies of all COC forms generated are kept at the refinery.

2.2 SAMPLING METHODS AND PROCEDURES

Each monitoring well was gauged for depth to water (DTW), total depth, and depth to product (DTP), if applicable, to determine the amount of water to purge. A minimum of two well volumes is purged from each well prior to sampling. If water level is at a minimum or the well has a low recharge rate, the well is allowed to recharge within 24 hours before a sample is collected. For wells that are not supplied with dedicated pumps, a portable pump is lowered slowly into the well to minimize disturbance to a depth of the midpoint of the screened interval of the well. The pump controller is started at a slow rate and gradually increased until water is discharged. Field water quality measurements must stabilize for a minimum of three consecutive readings taken at 2 to 5-minute intervals, within the following limits before purging will be discontinued and

sampling may begin: dissolved oxygen (DO) (10%), specific conductance (3%), temperature (3%), pH (10%).

Groundwater samples were obtained from each well within 24 hours of the completion of well purging. The samples were transferred to an appropriate, clean, laboratory-prepared containers provided by the analytical laboratory. Sample collection methods have been documented in the field monitoring reports. Weather conditions, the volume of groundwater purged, description of water, the instruments used, and the water quality readings obtained at each interval were recorded on the field-monitoring log.

Well purging and sampling were performed using disposable polyethylene bailers and/or appropriate portable sampling pumps where applicable. Some of the wells have dedicated pumps installed where a controller is used to power the submersible pump to purge water. In shallow wells, new disposable bailers were used for each well to hand bail purge water and retrieve water samples. All purged groundwater was collected in 55 gallon drum(s) and/or 5 gallon bucket(s) and drained into the refinery waste water treatment system upstream of the NAPIS. Groundwater samples intended for metals analysis were submitted to the laboratory as total and dissolved metals samples.

At a minimum, the following procedure was followed when collecting/shipping samples:

- Protective eye wear (safety glasses, goggles and or face shield)
- Neoprene, nitrile, or other protective gloves are worn when collecting samples. New disposable gloves are used to collect sample at each sample point.
- All samples collected for chemical analysis are transferred into clean sample containers supplied by the analytical laboratory. Sample containers are clearly marked and labeled.
- Groundwater samples obtained for dissolved metals analysis are filtered through a 0.45 μm (micrometer) mesh size disposable filter on site.
- Samples are labeled, sealed, placed in cooler with ice until they are shipped via United Parcel Service (UPS) Red, Federal Express Overnight or personally delivered to the analytical laboratory.
- Standard COC procedures are followed for all samples collected. The COC form and sample request form are shipped inside the sealed storage container to be delivered to the laboratory, signed and dated.
- Field duplicates and trip blanks are obtained for quality assurance during sampling activities. Trip blanks accompany laboratory sample bottles and shipping and storage containers intended for volatile organic compound (VOC) analyses. Trip blanks consist of a sample of analyte free de-ionized water placed in an appropriate sample container. Trip blanks are analyzed at a frequency of one for each shipping event involving twenty or more samples.

In order to prevent cross-contamination, field equipment that came into contact with water or soil was decontaminated before each sampling event. The decontamination procedure for the portable pump consists of rinsing/washing the equipment with a detergent water mixture followed by two rinses before use in another well. Any equipment that came in contact with each well, such as data loggers or tape measure, was decontaminated with a detergent water mixture and rinsed with distilled water before each use. Decontamination of equipment when feasible is done at the bundle pad where decontamination water is drained into the sewer system.

Decontamination water from field work was caught in an appropriate container and drained into the sewer system upstream of the NAPIS.

2.2.1 EQUIPMENT

- A submersible bladder pump 2 inch, 115 volt AC to DC converter, Grundfos Redi-flo2 constructed of stainless steel with check valve and 1/2 in. Teflon tubing, adjustable rate controller powered by a gas generator is used to purge groundwater from monitoring wells. Equipment is located downwind and at least 20 feet from the well so that exhaust fumes do not cross-contaminate the samples.
- Water level instrument used is a WaterMark Oil Water Interface Meter 100 feet, Model 101L/SMOIL. This instrument measures water and hydrocarbon level; indication is a steady audible tone for water and hydrocarbon indication is an erratic audible tone.
- Parameter Instrument – YSI Model 556 MPS Multi Probe System which simultaneously measures DO, conductivity, temperature, and optional pH and ORP (Oxidation Reduction Potential). As a backup, we also have an IQ Scientific Instrument, Model IQ180GLP which measures pH, DO, TDS (Total Dissolved Solids), conductivity, salinity, ISE (Ion Selective Electrode), mV (Millivolts) and temperature.
- Disposable Bailers – Polyethylene bailer 1.5 inches X 36 inches overall length (OAL) with a capacity of approximately 1 liter and 3 inches X 36 inches OAL. Individually sealed packaging, single check valve bailer with slide in angle cut nozzle for sample removal. A new bailer is used for each well that requires hand bailing for purging and sample retrieval.
- Field equipment parameter instruments were calibrated to known standards in accordance with the manufacturers' recommended schedules and procedures. Calibration checks are conducted before a sampling event and the instruments recalibrated as deemed necessary. Calibration of equipment was noted in the daily field logs.
- If field equipment becomes inoperable, a properly calibrated replacement instrument is used in the interim. Type of instrumentation used during a sampling event is recorded in the daily field logs.

2.3 COLLECTION AND MANAGEMENT OF INVESTIGATION DERIVED WASTE

Investigation derived waste (IDW) generated during each groundwater sampling event includes purged water, decontamination water, excess sample material, and disposable sampling equipment. All water purged from monitoring wells generated during sampling and decontamination activities was temporarily stored in a labeled 55-gallon drum(s) and/or 5 gallon bucket(s) and then drained into the refinery sewer system upstream of the NAPIS.

2.4 COLLECTION OF SURFACE WATER SAMPLES

At the evaporation ponds, grab samples were collected near the inlets (pond edge). This location was noted in the field notebooks. For outfalls, a grab sample was collected at the pipe end, and recorded in the field log.

2.5 ANALYTICAL METHODS

Groundwater and surface water samples collected during the monitoring events were analyzed for the constituents listed in Table 1, Section 10.0. In addition, the WQCC standard was used for total and dissolved metals analysis.

2.6 PERIMETER INSPECTION

Perimeter inspections are part of the daily routine for refinery personnel to report any hydrocarbon staining, spills or any release that could result in material leaving the property boundary.

2.7 REMEDIATION ACTIVITIES

A site investigation of the refinery tank farm network conducted in 1987 indicated high concentrations of BTEX constituents in the groundwater as well as hydrocarbons. As a result of the findings from additional site investigations conducted from 1987 through 1990, four recovery wells (RW-1, RW-2, RW-5, and RW-6) were installed to recover the SPH. SPH has been recovered from RW-1 using a submersible bladder pump and from RW-5 and RW-6 by hand-bailing using a disposable polyethylene bailer. Tables in Appendix A summarizes measurements, volume of product and water purged and also provides year to date (YTD) product purged from each well. RW-2 is listed as a recovery well but to date no visible hydrocarbon layer or odor has been observed in this well during quarterly inspections.

In RW-1 a bladder pump was used to pump out SPH on a quarterly basis into a labeled 55-gallon drum. Visible layer of floating product in the drum was measured with a tape measure and calculated as best as possible for volume of product recovered. In RW-5 and RW-6, a 3 foot disposable hand bailer was used to extract product and water from the wells. Bailed water was collected in a 5-gallon bucket and the visible layer of floating product was then measured with a tape measure to estimate volume of SPH recovered. The purged water was drained into the refinery waste water treatment system upstream of the NAPIS.

Although the SPH thickness level in RW-1 has generally increased since the first quarter of 2013, hydrocarbon recovery from RW-1 has shown a general decrease from 2005 through 2015. In 2015, total hydrocarbon recovery is estimated at 2.0 gallons in 54 gallons of water purged compared to the 2005 estimate of 431 gallons of hydrocarbons in 1,210 gallons of water. No measureable hydrocarbons have been detected in RW-2 since the well was installed. RW-5 and RW-6 have shown a steady decrease in hydrocarbons since 2005 and no SPH has not been detected since February 2009 and November 2011, respectively. Hydrocarbon recovery logs are included in Appendix A.

On June 26, 2013, notification of the discovery of a hydrocarbon seep to the land surface was made to NMED and OCD. The area has been identified as the "Hydrocarbon Seep", located directly west of crude Tanks 101 and 102. Response actions have included installation of six temporary sumps, and to date a total of 44 permanent monitoring wells (MKTF-1 through MKTF-44) have been installed to monitor ground water impacts. From June 2013 through December 2015 total hydrocarbon recovery is estimated to be 1,071 gallons and 188,634 gallons of water from the sumps. Of the 44 permanent monitoring wells installed, twelve (MKTF 3, 5, 6, 7, 8, 12, 13, 14, 15, 36, 37, and 45) wells had measureable layers of product in 2015. Hydrocarbon recovery from these wells is estimated at 11.2 gallons when wells were pumped in February and June 2015. The twelve wells identified to have a product layer will be pumped on a more frequent basis to determine recharge rate and recovery of hydrocarbons. Hydrocarbon recovery data is included in Appendix A.

SECTION 3

GROUNDWATER DTW/DTP ELEVATION

Groundwater elevation data were collected from the wells listed in Table 1, Section 10.0. A summary of field measurements (DTW, DTP) taken during the quarterly, semi-annual and annual inspections is included in Section 9. Groundwater levels and SPH column thickness measurements (from the RW series of wells as well as the MKTF wells) were collected quarterly to monitor groundwater elevation and product column thickness fluctuations over time. Maps were generated using elevation data collected from surveys conducted by DePauli Engineering and from Hammon Enterprises Inc., professional surveyor and data from the 2015 field inspection logs.

Field notes and measurement data were recorded in field logs for each well for 2015 and are located in Appendix B. The depth to groundwater and SPH column thickness levels were measured to the nearest 0.01-ft. The depth to groundwater and SPH column thickness are recorded relative to the surveyed well casing rim or other surveyed datum. A corrected water table elevation is provided in wells containing SPH by adding 0.8 times the measured SPH column thickness to the measured water table elevation (Section 9).

All water/product levels are measured to an accuracy of the nearest 0.01-ft using a WaterMark Oil Water Interface Meter, Model 101L/SMOIL (100 ft)I. After the water level is determined, the well volume is calculated using the height of the liquid column and the internal cross sectional area of the well. The purge volume is a minimum of two times the well volume.

Groundwater and SPH levels were measured in all wells within 48 hours of the start of groundwater sampling activities. All manual extraction of SPH and water from recovery wells, observation wells, and collection wells is discontinued for 48 hours prior to the measurement of water and SPH levels. Figure 6 (Section 11) shows the locations of all active wells.

SECTION 4

REGULATORY CRITERIA

Laboratory analytical data is compared to the most current regulatory standards (Appendix C) at time of submission of report.

- New Mexico 20NMAC 20.6.2.3103 (WQCC). Standards for Groundwater of 10,000 mg/L TDS Concentration or Less
- EPA 40 CFR 141.62. National Primary Drinking Water Regulations (Updated November 2015) (EPA MCL)
- NMED Tap Water Screening Levels (July 2015)
- EPA Regional Screening Levels set for Residential Risk-Based Screening Levels (EPA RSL) for Tap Water (Ross) (November 2015)

SECTION 5

GROUNDWATER ELEVATIONS

Groundwater elevations are depicted in the following maps using data from the 2015 quarterly, annual sampling event. In addition, graphs of the water levels are included in Figures 11 – 11.4, 11-A and 11-B

- Figure 7 (Section 11) presents a south-north geologic profile (east side of the refinery) showing contours of monitoring wells with reference to stratigraphic locations in which the water bearing zones are located.
- Figure 8 (Section 11) presents a south-north section on the west side of the refinery showing contours of monitoring wells with reference to stratigraphic locations in which the water bearing zones are located.
- Figure 14 (Section 11) represents a geologic profile for the west-east well locations.

SECTION 6

GROUNDWATER MONITORING RESULTS

All analytical data tables referenced in the following subsections are included in Section 8 of this report. Bold and highlighted values indicate a constituent exceeds a listed standard(s). Due to requirements for field preservation of samples, some samples have the results for nitrite and nitrate reported as a single value of nitrogen. In these instances, the value is conservatively listed for both nitrite and nitrate and a comparison is made between the reported concentration and the regulatory standards for both nitrite and nitrate. This may result in false indication of nitrite exceeding the regulatory standard. Plots of the reported concentrations are provided in a series of Figures numbered 15 through 17. Laboratory data for 2015 sampling events are available on the CD provided in Appendix G.

6.1 CONSTITUENT LEVELS IN GROUP A MONITORING WELLS

Group A wells are located within the northwest corner of the refinery property. Nine monitoring wells are situated along the refinery boundary and six monitoring wells are within the RCRA LTU area.

6.1.1 Boundary Wells (BW-1A/1B/1C, BW-2A/2B/2C, BW-3A/3B/3C)

The nine boundary wells (BW), down gradient of the Refinery property, are screened within three different stratigraphic units. BW-1A, BW-2A, and BW-3A are screened within the Upper Sand stratigraphic unit (Figure 12); BW-1B, BW-2B, and BW-3B are screened in the Chinle/Alluvium Interface stratigraphic unit (Figure 10); and BW-1C, BW-2C and BW-3C are screened within the Sonsela stratigraphic unit (Figure 9).

The BW-1A, BW-1B, and BW-1C wells are located on the elevated dike separating evaporation pond 7 (EP-7) and evaporation pond 8 (EP-8). BW-2A, 2B, and 2C are located on the northwest edge of evaporation pond 11 (EP-11) and BW-3A, 3B, and 3C are located in the field north of evaporation ponds 12A and 12B (EP-12A and EP-12B). The boundary wells are sampled on an annual basis and evaluated for the following analytes: 8260B plus MTBE, gasoline range organics, (GRO), diesel range organics (DRO) and motor oil range organics (MRO), major cations/anions, and WQCC total and dissolved metals.

Wells BW-1A, BW-3A, and BW-1B contained no water on the fluid-level gauging date of August 10, 2015, and were not sampled. The boundary wells were sampled and/or inspected on the following dates:

WELL ID	DATE
BW-1C	8/12/15
BW-2A	8/12/15
BW-2B	8/12/15
BW-2C	8/12/15
BW-3B	8/12/15
BW-3C	8/12/15

- The 2015 annual sample event results indicate BTEX and MTBE constituents were not detected in BW-1C, BW-2A, BW-2B, BW-2C, BW-3B or BW-3C. BTEX and MTBE constituents have not been detected in these wells since 2006 (Table 8.1)..
- Fluoride was detected above the WQCC standard of 1.6 mg/L in BW-1C (2.5 mg/L), BW-2B (1.8 mg/L) and BW-2C (1.9 mg/L). Nitrite was detected in one sample (BW-2B at 1.5 mg/l) above the standard of 1.0 mg/l. Low concentrations of chloride and sulfate were detected in each of the BW wells sampled in 2015. Low concentrations of bromide were detected in BW-2A, BW-2B, BW-2C, and BW-3B. Phosphorus exceeded applicable standards in BW-2A and BW-3B (Table 8.1.1).
- Low concentrations of barium, iron and manganese were detected in the BW wells with BW-2B and BW-3C exceeding the WQCC standard for iron in 2015. Chromium was previously detected in BW-1C (2012) and cadmium in BW-2C (2012). Both constituents were reported below the detection limits since August 2012. The remaining total metals analyzed for each well did not exceed applicable standards (Table 8.1.2). No dissolved metals analyzed exceeded applicable standards; however, low concentrations of barium, iron, lead, and manganese were detected in most of the wells (Table 8.1.3).
- Bis(2-ethylhexyl)phthalate was detected in BW-1C in 2013, in BW-3B in 2009, and BW-3C in 2011 and may possibly be a lab contaminant or from the PVCC pipe materials used as casing in these wells. The constituent was not detected in any of the BW wells sampled in 2014. As of 2015, SVOCs were removed from analytical requirement (Table 8.1.4).

6.1.2 Land Treatment Unit (MW-1, MW-2, MW-4, MW-5, SMW-2, and SMW-4)

The LTU groundwater monitoring wells include MW-1, MW-2, MW-4, MW-5, SMW-2, and SMW-4. MW-1, SMW-4, and MW-2 are located down gradient along the north edge of the closed RCRA LTU. MW-5 and SMW-2 are located on the eastern perimeter of the LTU and MW-4 is located up gradient (south) of the LTU. MW-1, MW-2, MW-4, MW-5 are screened within the Sonsela stratigraphic unit. SMW-4 is screened

within the Chinle/Alluvium Interface and SMW-2 is screened in both the Chinle/Alluvium Interface and Upper Sand stratigraphic units.

The LTU monitoring wells are sampled on an annual basis. In addition, MW-1, MW-2, MW-4, and MW-5, SMW-2 and SMW-4 are sampled every 10 years to comply with the RCRA Post Closure Permit. Annual samples were analyzed for the following analytes: 8260B plus MTBE, DRO, GRO, MRO, major cations/anions, WQCC total and dissolved metals, cyanide, and additional VOCs and SVOCs.

Annual sampling and inspections for 2015 on the LTU monitoring wells were completed on the following dates:

WELL ID	Date
MW-1	8/14/15
MW-2	8/14/15
MW-4	8/17/15
MW-5	8/14/15
SMW-2	8/17/17
SMW-4	8/14/15

The next 10 year RCRA Post Closure Permit sampling event for MW-1, MW-2, MW-4, MW-5, SMW-2 and SMW-4 is scheduled to occur in 2019. The following analytes are evaluated during the RCRA Post Closure Permit sample event: modified Skinner List for VOCs, SVOCs, total petroleum hydrocarbons (TPH), DRO, GRO, MRO, metals to include mercury and cyanide, and major cations/anions with pH and conductance.

- With the exception of a low concentration of MTBE in SMW-2, no concentrations of BTEX or MTBE were not detected in any of the LTU wells in 2015. Low concentrations of MTBE, not exceeding applicable standards (0.0143 mg/L), have historically been detected in SMW-2 (Table 8.3).
- Since 2008, GRO has been detected in SMW-2 (0.78 mg/L for 2015). DRO and GRO were not detected above the applicable standards limits for the remaining LTU monitoring wells. Concentrations of MRO have not been reported above the applicable standards in any of the LTU monitoring well since being added to the sampling plan in 2010.
- Low concentrations of fluoride were detected in each of the LTU monitoring wells with the exception of SMW-2. In SMW-2, concentrations of chloride (3000 mg/L) and sulfate (1600 mg/L) have exceeded the WQCC standards of 250 mg/L and 600 mg/L, respectively. SMW-2 has a history of exceeding the WQCC standard for these two anions. The remaining LTU monitoring wells had concentrations of chloride and sulfate below the applicable standards. Concentrations for the remaining major list of anions and cations were not detected above the applicable standards in each of the LTU monitoring wells (Tables 8.2.1 and 8.3.1).

- Concentrations of arsenic and barium remain below the applicable standards for each of the LTU monitoring wells. Concentrations of selenium, mercury and zinc were not detected above the detection limits in 2015 in each of the LTU monitoring wells. Low concentrations of barium and manganese were detected in all of the LTU monitoring wells with the exception of SMW-2. SMW-2 exceeded the WQCC standard for manganese (0.2 mg/L) since 2011 with a 2015 concentration of 0.33 mg/L. Low concentrations of total iron were detected in MW-1, MW-2, SMW-2, and SMW-4, and low concentrations of total lead were detected in MW-1 and SMW-4. A low concentration of dissolved iron was detected in SMW-2. Total and dissolved uranium levels have exceeded the WQCC standard (0.03 mg/L) for SMW-2 and SMW-4 since 2011 and again in 2015 with uranium detected at 0.12 mg/L (total) in SMW-2 and at 0.036 mg/L (total) in SMW-4. Uranium was detected in lower concentrations for the remaining LTU monitoring wells (Tables 8.2.2 and 8.3.2).
- Neither VOCs nor SVOCs were detected above applicable standards in any of the LTU wells in 2015 (Tables 8.2.4 and 8.3.4).

6.2 CONSTITUENT LEVELS IN GROUP B MONITORING WELLS

There are ten monitoring wells in Group B, not including the three leak detection units. These wells are located within the aeration basin west of the refinery tank farm. Group B includes three groundwater monitoring wells (GWM), four monitoring wells for the New American Petroleum Institute Separator (NAPIS), three leak detection units (LDU), OAPIS-1 installed in 2012 as a result of the Solid Waste Management Units (SMWU) No. 1, Aeration Basin and SMWU No. 14, Old API Separator site investigation. Two new monitoring wells (STP1-NW and STP1-SW), were installed at the sanitary treatment pond (STP-1) in May 2014.

6.2.1 GROUNDWATER MONITORING WELLS (GWM-1, GWM-2, GWM-3)

The GWM series of wells are all screened in the Chinle/Alluvium Interface stratigraphic unit. GWM-1 and GWM-2 are located on the west side of the aeration basin straddling the dike that separates AL-2 and EP-1. Downgradient from GWM-1 and GWM-2 is GWM-3 located on the northwest corner of EP-1. These wells are inspected and sampled on a quarterly basis. No groundwater was detected in GWM-2 and GWM-3 during 2014 and 2015.

Groundwater samples from GWM-1 were analyzed for the following constituents: BTEX, MTBE, DRO, GRO, MRO, major cations/anions, WQCC total and dissolved metals, and VOCs and SVOCs.

Quarterly inspections and sampling of the GWM wells were completed on the following dates:

Well ID	Date	Date	Date	Date
GWM-1	3/10/15	6/2/15	8/24/15	10/29/15

GWM-2	3/10/15	6/2/15	8/11/15	10/29/15
GWM-3	3/10/15	6/2/15	8/11/15	10/29/15

- No groundwater sample was collected from GWM-1 in the fourth quarter 2015 due to presence of PSH.
- Concentrations of benzene in GWM-1 exceeded the EPA MCL standard (0.005 mg/L) for all four quarters since 2006 with the exception of the fourth quarter in 2012. The highest concentration of benzene (0.012 mg/L) for 2014 was recorded in the fourth quarter. Concentrations of ethylbenzene, toluene, xylenes, and MTBE remain within the applicable standards for GWM-1 (Table 8.4).
- Concentrations of DRO and GRO were detected in GWM-1 with DRO exceeding the WQCC 2013 standard (0.2 mg/L) throughout 2013, 2014 and 2015. DRO has also exceeded applicable standards since quarter 3 of 2010 through quarter one of 2012. The highest concentration of DRO in GWM-1 was detected in the third quarter 2015 at a concentration of 250 mg/L.
- Concentrations of fluoride exceeding the WQCC standard (1.6 mg/L) have been prevalent since 2006 in GWM-1 with the exception of quarter four in 2011. In 2015, quarter two recorded the highest concentration of fluoride in GWM-1 at 2.7 mg/L. Chloride has exceeded the WQCC standard (250 mg/L) consistently in GWM-1 since 2006 with the highest 2015 readings recorded during quarter two and three at 1,100 mg/L. Bromide concentrations have consistently been detected in GWM-1 since 2006. Nitrate and nitrite concentrations remain within applicable standards (Table 8.4.1).
- Concentrations of total and dissolved arsenic, iron, and manganese in GWM-1 have exceeded applicable standards since 2008. The highest total arsenic and iron concentrations for 2015 were detected in quarter three. Manganese concentrations for 2015 averaged 2.2 mg/L which exceeds the WQCC standard (0.2 mg/L). Low concentrations of total chromium and zinc were detected during quarter three of 2015. Low concentrations of both total and dissolved zinc have been detected in GWM-1 since 2009. Total and dissolved barium and total lead concentrations, were detected within the applicable standards for all of 2015. Concentrations of the remaining total and dissolved metals did not exceed the applicable standards during 2015 (Tables 8.4.2 and 8.4.3).
- Concentrations of VOCs and SVOCs detected above the applicable standards in the third quarter 2015 include naphthalene, 1-methyl naphthalene, benz(a)anthracene, benzo(a)pyrene, chrysene, fluorene, 1-methyl naphthalene, 2-methyl naphthalene, phenanthrene, and pyrene. Low concentrations of 1,2,4-trimethylbenzene have historically been detected in GWM-1, but constituent concentrations have been below the applicable standard (0.015 mg/L) since the second quarter of 2013 (Table 8.4.4). Low concentrations of 1,3,5-trimethylbenzene were detected in GWM-1 in 2015.

GWM-2 and GWM-3 were installed and developed in 2005. The wells are checked quarterly for the presence of water. If water is detected, NMED and OCD are notified within 24 hours of discovery. The water is purged from the well and re-measured to calculate the potential recharge rate. Groundwater samples are collected when water level is sufficient.

Groundwater was first observed in GWM-2 during the first quarter of 2008. The depth to water was 18.45 feet with an estimated water column height of 0.36 feet. Samples were collected and the well was bailed dry. GWM-2 did not recharge and remained dry until quarter three of 2010. GWM-2 continued to recharge as samples were collected throughout 2011, 2012, and most of 2013. GWM-2 has had an insufficient volume for sampling since quarter four of 2013 and remained dry throughout 2015. Similar to GWM-2; GWM-3 was first sampled in the third quarter of 2010. Samples were consistently collected throughout 2011 and 2012. In late 2012 through early 2013 the levels in the aeration lagoons dropped approximately one to two feet and gravitational flow between lagoons to EP-1 began to decrease. GWM-3 has remained dry since quarter one of 2013.

6.2.2 GROUNDWATER MONITORING WELLS: NAPIS-1, NAPIS-2, NAPIS-3, AND KA-3

The NAPIS groundwater monitoring wells are located east of AL-1. NAPIS-1 is an up gradient well located on the southeast side of the separator. The NAPIS-2 monitoring well is located in the southwest corner of the bay to the separator, and NAPIS-3 is located in the northwest corner. KA-3 is located between NAPIS-2 and NAPIS-3 on the west side of the bay to the separator unit. These wells are screened in the Chinle/Alluvium stratigraphic unit with three of the wells (NAPIS-2, NAPIS-3, and KA-3) installed subsurface.

The NAPIS and KA wells are sampled on a quarterly basis. In agreement with OCD and approved by NMED, the third quarter sampling is combined with the annual sampling event. Groundwater samples were analyzed for the following parameters: BTEX, MTBE, major cations/anions, WQCC total and dissolved metals, and VOCs and SVOCs. When applicable, standing water is removed from the vault of the three sub-surface wells prior to opening and sampling each well. The standing water is placed into a container for proper disposal.

Quarterly inspections and sampling were completed for the NAPIS and KA wells on the following dates:

Well ID	DATE	DATE	DATE	DATE
NAPIS-1	3/10/15	6/2/15	8/11/15	10/28/15
NAPIS-2	3/10/15	6/2/15	8/11/15	10/28/15
NAPIS-3	3/10/15	6/2/15	8/11/15	10/28/15

KA-3	3/10/15	6/2/15	8/11/15	10/28/15

- BTEX and MTBE have remained below the applicable standards since 2008 for NAPIS-1. Benzene and MTBE concentrations in NAPIS-2 have exceeded the applicable standards since 2008 and remained in exceedance for 2015. BTEX and MTBE were not detected in NAPIS-3. Monitoring well KA-3 has had concentrations of benzene and MTBE exceeding applicable standards prior to the third quarter of 2013; however, concentrations have remained below the applicable standards since the fourth quarter of 2013 (Table 8.5).
- Concentrations of DRO, GRO, or MRO have been below the applicable standards since 2008 for NAPIS-1 and NAPIS-3 (MRO since 2010) (Table 8.5.1).
- In NAPIS-2, DRO concentrations have consistently exceeded the WQCC standard from 2008 through quarter three of 2012 with exceedances also recorded in quarter one, two, and four of 2013, the first three quarters of 2014 and quarters one and four in 2015. Low concentrations of GRO have also been detected in NAPIS-2 (Table 8.5.1).
- KA-3 has historically exhibited exceedances in DRO from 2009 through early 2012 (Table 8.5.1), but has not been detected since the first quarter of 2012.
- Low concentrations of fluoride, chloride, nitrite, nitrate, and sulfate were detected in NAPIS-1 in 2015 (Table 8.5.1).
- Fluoride and chloride concentrations in NAPIS-2 have exceeded the WQCC standards of 1.6 mg/L and 250 mg/L, respectively, for at least one quarter of each year since 2008 (since 2009 for fluoride) and continued to occasionally exceed applicable standards in 2015 (Table 8.5.1).
- Chloride, nitrite and nitrate concentrations in NAPIS-3 exceeded applicable standards (250 mg/L, 10 mg/L and 10 mg/L, respectively) during most of 2015 and have historically exceeded these standards since 2008. Fluoride levels have remained below the applicable standards for NAPIS-3 since 2008 (Table 8.5.1).
- Fluoride, chloride and sulfate concentrations in KA-3 have remained below the WQCC standard since June of 2013 (Table 8.5.1).
- Concentrations of bromide and sulfate were detected in all of the NAPIS and KA wells during 2015. Nitrite and nitrate concentrations exceeding the applicable standards (10 mg/L and 10 mg/L, respectively) have historically been sporadic for each of the NAPIS and KA wells. There were no exceedances of any of these parameters in 2015 (Table 8.5.1).
- Total iron concentrations exceeded the WQCC standard of 1.0 mg/L in NAPIS-2 (3.3 mg/L) and NAPIS-3 (1.6 mg/L), and total manganese concentrations exceeded the WQCC standard of 0.2 mg/L in NAPIS-2 (1.2 mg/L) and KA-3 (1.7 mg/L) as shown on Table 8.5.2.
- From 2010 through 2015, total and dissolved barium, iron, and manganese have exceeded the applicable standards in NAPIS-2 (Tables 8.5.2 and 8.5.3).
- In NAPIS-3, total and dissolved uranium and total iron exceeded applicable standards during 2015 (Tables 8.5.2 and 8.5.3).
- In monitoring well KA-3, total and dissolved manganese detected above the applicable standards during 2015 (Tables 8.5.2 and 8.5.3).

- Concentrations of 1-methyl naphthalene (0.0061 mg/L) and naphthalene (0.0033 mg/L) exceeded applicable standards (0.0011 mg/L and 0.00165 mg/L, respectively) in NAPIS-2 during 2015. No other VOCs or SVOCs were detected in the NAPIS and KA wells during 2015 (Table 8.5.4).

6.2.3 LEAK DETECTION UNITS (LDU): EAST LDU, OIL SUMP LDU, WEST LDU

The NAPIS secondary containment units otherwise known as leak detection units (LDU) are installed on the east and west bay of the NAPIS unit. The East LDU is located on the southeast corner in the east bay of the NAPIS unit between the unit and NAPIS-1. The Oil Sump LDU is located north of the East LDU on the northeast corner of the NAPIS unit. The West LDU is located in the southwest corner of the west bay of the NAPIS unit. The LDUs were monitored in 2010 as part of the 2010 Facility Wide Groundwater Monitoring Work Plan (FWGWMP).

The LDU are sampled and inspected on a quarterly basis. In agreement with OCD and approved by NMED, the third quarter sampling was combined with the annual sample event. The LDUs were sampled for the following analytes in 2015: BTEX, MTBE, DRO, GRO, MRO, WQCC total and dissolved metals, and VOCs. Oil Sump LDU was dry all four quarters and therefore not sampled. There was not enough water in West LDU to collect a sample during the second quarter 2015.

Quarterly inspections and sampling were completed for the LDU wells on the following dates:

Sample ID	Quarter 1	Quarter 2	Quarter 3	Quarter 4
East LDU	3/10/15	6/3/15	8/11/15	10/29/15
West LDU	3/10/15	6/3/15 (not enough water to sample)	8/11/15	10/29/15

-
- Benzene, total xylenes, DRO, and GRO concentrations exceeded the applicable standards in the East LDU. Low concentrations of toluene and ethyl benzene were also detected in the East LDU for 2015. .
- All BTEX parameters exceeded the applicable standards in the West LDU with the highest detection of benzene (2.7 mg/L) in quarter three 2015. DRO and GRO exceeded the NMED Tap Water standard (0.2 mg/L) in each well since 2010 (Table 8.6).
- Total and dissolved chromium, iron, and manganese concentrations were detected above the applicable standards in the East and West LDU wells during 2015. Concentrations of arsenic, barium and zinc were also present in these two wells and have historically been present in all three

LDU wells. Historically, low concentrations of total and dissolved selenium have been present in each of the LDU wells while cadmium, lead, and silver remained below the applicable standards. Manganese has been present in each of the three wells since 2010. Chromium levels have fluctuated; falling below the applicable standards for the East LDU in September of 2010 through March of 2011 and falling below applicable standards for the West LDU in quarter one and two for 2012 and 2013, respectively (Tables 8.6.1 and 8.6.2).

- Concentrations of 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, naphthalene, 2-methyl naphthalene, and 1-methylnaphthalene exceeded the EPA RSL and NMED standards in the East LDU. Concentrations of 1,2,4-trimethylbenzene, naphthalene, and 2-methylnaphthalene exceeded EPA RSL and NMED standards in the West LDU (Table 8.6.3).

6.2.4 GROUNDWATER MONITORING WELL: OAPIS-1

The OAPIS-1 groundwater monitoring well was installed in 2012 on the southeast edge of AL-2 as a result of the Investigation Work Plan for SMWU No. 1 (Aeration Basin) and SMWU No. 14 (Old API Separator). The OAPIS-1 well is screened in the Chinle/Alluvium Interface stratigraphic unit. The OAPIS-1 well was added to the quarterly sample schedule in 2013. In agreement with OCD and as approved by NMED, the third quarter sample event was combined with the annual sample event.

In 2015, groundwater samples were collected from OAPIS-1 for the following analytes: BTEX, MTBE, , DRO, GRO, MRO, major cations/anions, WQCC total and dissolved metals, cyanide, VOCs and SVOCs.

The OAPIS-1 well was inspected and sampled on the following dates in 2015:

WELL ID	Date	Date	Date	Date
OAPIS-1	3/10/15	6/2/15	8/11/15	10/29/15

- Benzene and MTBE concentrations exceeded the EPA MCL standards (0.005 mg/L and 0.143 mg/L, respectively) for each quarterly sample event during 2014 and 2015. Concentrations of ethylbenzene were also present but remained below the applicable standard. Toluene and xylenes were below the applicable standards for 2015 (Table 8.7).
- In 2015, DRO and GRO concentrations were detected at 7.1 mg/L and 0.8 mg/L, respectively. Fluoride and chloride concentrations exceeded the WQCC standards of 1.6 mg/L and 250 mg/L, respectively, with the highest concentration recorded in 2015 at (1.9 mg/L fluoride; 2000 mg/L chloride). Concentrations of bromide and sulfate were also present but remain below the applicable standards (Table 8.7.1).
- Total and dissolved arsenic, iron, and manganese concentrations exceeded the applicable standards in 2015 with the exception of dissolved arsenic. Total cyanide exceeded the EPA RSL

standard (0.0014 mg/L) during 2015 with the highest concentration recorded in quarter two (0.0887 mg/L). Total and dissolved cadmium and silver, total mercury, and dissolved chromium and copper were below the detection limits with the exception of quarter two in 2015 when low concentrations of dissolved chromium were detected (Tables 8.7.2 and 8.7.3).

- Naphthalene and 1-methylnaphthalene concentrations exceeded applicable standards in 2015. No other VOCs or SVOCs exceeded the applicable standards in 2015 (Table 8.7.4).

6.2.5 STP1-NW and STP1-SW

Monitoring well STP1-NW is located on the west end of STP-1 north bay and STP1-SW is located on the southwest corner of the south bay of STP-1. These wells were installed in May of 2013. Ground water samples were analyzed for the following analytes: 8260B plus MTBE, DRO, GRO, MRO, major cations/anions, WQCC total and dissolved metals, cyanide and SVOCs. The sample location was inspected and sampled on the following dates:

The STP1-NW and STP1-SW wells were inspected and sampled on the following dates in 2015:

Well ID	Date	Date	Date	Date
STP1-NW	3/10/15	6/2/15	8/11/15	10/29/15
STP1-SW	3/10/15	6/2/15	8/11/15	10/29/15

- STP1-SW was dry during all quarters of 2015 and therefore not sampled.
- There were no BTEX, MTBE, DRO, GRO, or MRO constituents detected above applicable standards in 2015 (Table 8.8).
- With the exception of the third quarter 2015, chloride, nitrite and nitrate concentrations exceeded applicable standards during each sampling event (Table 8.8).
- Total iron concentrations exceeded the standard of 1.0 mg/L during the first three quarters of 2015. Low concentrations of arsenic, barium, chromium, lead, manganese, selenium, uranium, and zinc were also detected (Tables 8.8.1 and 8.8.2).
- No VOCs or SVOCs were detected above applicable standards (Table 8.8.3).

6.3 CONSTITUENT LEVELS IN GROUP C MONITORING WELLS

The Group C wells include six observation wells (OW-13, OW-14, OW-29, OW-30, OW-50, and OW-52) located on level terrain northeast of the refinery tank farm, and four recovery wells (RW-1, RW-2, RW-5, and RW-6) located within the refinery tank farm. Observation wells OW-50 and OW-52 were installed in 2009 to

monitor potential migration of constituents. The recovery wells were installed between 1987 and 1990 and have been used to recover SPH.

6.3.1 OBSERVATION WELLS: OW-13, OW-14, OW-29, and OW-30

The observation wells OW-14, OW-29, and OW-30 are screened in the Chinle/Alluvium Interface; observation well OW-13 is screened in the Sonsela stratigraphic unit. OW-13 is down gradient (north) of the tank farm and OW-14 is up gradient and adjacent to the LPG tank farm. OW-29 is located directly north of OW-14 and OW-30 is situated northeast of OW-14 along the east side of the railroad spur entering the refinery property from the north. These observation wells are sampled quarterly and in agreement with OCD, approved by NMED, the third quarter sampling event is combined with the annual sampling requirement per the OCD discharge permit.

Groundwater samples were collected from these observation wells and submitted for laboratory analyses of the following analytes: BTEX, MTBE, DRO, GRO, MRO, major cations/anions, WQCC total and dissolved metals, and VOCs and SVOCs.

Observation wells OW-13, OW-14, OW-29, and OW-30 were sampled on the following dates in 2015:

Well ID	Quarter 1	Quarter 2	Quarter 3	Quarter 4
OW-13	3/9/15	6/1/15	8/11/15	10/27/15
OW-14	3/9/15	6/1/15	8/10/15	10/27/15
OW-29	3/9/15	6/1/15	8/11/15	10/27/15
OW-30	3/9/15	6/2/15	8/10/15	10/27/15

- BTEX constituents were not detected in OW-29 or OW-30 during 2015; the wells have not had detectable BTEX concentrations since 2006. (Table 8.9).
- Low concentrations of MTBE were detected in OW-13 in 2015, but each detected concentration was well below the standard. Concentrations of MTBE in OW-14, OW-29, and OW-30 during 2015 were all above the standard, with the highest being in OW-30 during the first quarter at 4.0 mg/L. MTBE concentrations in these three observation wells have been above the standard since at least 2009 (Table 8.9).
- Low concentrations of GRO were detected in each observation well during 2015 except for well OW-13. MRO was not detected in any of these observation wells during 2015. Low concentrations of DRO were detected in OW-14 and OW-30. (Table 8.9.1).

- In 2015, concentrations of fluoride, bromide, nitrate, and sulfate were detected in each of the four observation wells, however concentrations remain below applicable standards. Concentrations of chloride have exceeded the standard of 250 mg/L in OW-14 in 2013 through 2015 (Table 8.9.1).
- No concentrations of total or dissolved metals were detected above applicable standards in well OW-13 in 2015. In well OW-14, concentrations of total and dissolved barium, iron, and manganese were above applicable standards in 2015; the concentrations detected are similar to previous years. In well OW-29 during 2015, concentrations of total and dissolved manganese and uranium were above applicable standards, and are similar to previous years. In well OW-30, concentrations of total and dissolved uranium were above the standard of 0.03 mg/L and have been since 2012 (Tables 8.9.2 and 8.9.3).
- In 2015, no VOCs and SVOCs were detected in OW-13, OW-14, OW-29, and OW-30 (Table 8.9.4).

6.3.2 OBSERVATION WELLS: OW-50 and OW-52

Observation wells OW-50 and OW-52 were installed up gradient from OW-13 and OW-29 in 2009 to monitor possible migration of MTBE. The two observation wells are screened in the Chinle/Alluvium Interface stratigraphic unit. A request to change the 2010 FWGWMP sample frequency from quarterly to annual for OW-50 and OW-52 was approved by NMED in 2012 (2011 Updates, Comment 6).

In 2015, groundwater samples were collected from observation wells OW-50 and OW-52 for the following analytes: BTEX, MTBE, DRO, GRO, MRO, major anions/cations, WQCC total and dissolved metals, and VOCs, SVOCs.

Observation wells OW-50 and OW-52 were sampled on the following dates in 2015:

Well ID	Sample Date
OW-50	8/10/15
OW-52	8/10/15

- BTEX, MTBE, DRO, GRO, and MRO constituents have not been detected in either OW-50 or OW-52 since 2010 through 2015 (Tables 8.10 and 8.10.1).
- Low concentrations of fluoride, chloride bromide and sulfate were detected in 2015 but remain below the applicable standards (Table 8.10.1).
- Low concentrations of total and dissolved barium, manganese, and uranium been detected in OW-50 and OW-52 in 2015, but all concentrations were below applicable standards (Tables 8.10.2 and 8.10.3).
- No VOCs or SVOCs were detected above applicable standards in OW-50 and OW-52 during 2015. In quarter one 2010, bis(2-ethylhexyl)phthalate exceeded the standard of 0.006 mg/L in OW-50 and a low concentration of benzoic acid was detected but have remained below this standard through

2015. The detection of these two organic compounds may possibly be lab contaminants or from the PVC pipe casing materials used for this well (Table 8.10.4).

6.3.3 RECOVERY WELLS: RW-1, RW-2, RW-5, RW-6

The recovery wells RW-1, RW-2, RW-5, and RW-6 are shallow wells installed in the refinery tank farm located in the east-central portion of the refinery property. The recovery wells are screened within the Chinle/Alluvium Interface stratigraphic unit and are used to recover SPH. RW-1 is located east of Tank 568; RW-2 is located between Tanks 581 and 582; and RW-5 and RW-6 are located in the northwest corner of the tank farm, east of Tanks 337 and 345.

Quarterly inspections for the RW wells include product recovery of SPH using disposable bailers in RW-5 and RW-6, and a portable 2-inch bladder pump for RW-1. Hydrocarbon thickness is measured prior to being removed. Purge water is collected and disposed upstream of the NAPIS. Hydrocarbon recovery is estimated based on measurements and observations.

The RW wells were added to the annual sampling schedule in 2011, per the **Approval with Modifications** in the 2010 FWGWMP. For 2015, the wells were sampled and evaluated for the following analytes: BTEX, MTBE, DRO, GRO, and MRO.

The recovery wells were inspected and sampled in 2015 on the following dates:

WELL ID	Date	Date	Date	Date
RW-1	3/23/15	6/9/15	8/23/15	10/29/15
RW-2	3/23/15	6/9/15	8/23/15	10/29/15
RW-5	3/23/15	6/9/15	8/23/15	10/29/15
RW-6	3/23/15	6/9/15	8/23/15	10/29/15

- No samples were collected from RW-1 due to SPH levels
- BTEX and MTBE concentrations exceeded applicable standards in RW-2 in 2015. Benzene exceeded the applicable standard in RW-5, and benzene and total xylenes concentrations exceeded applicable standards in RW-6. Concentrations of total xylenes and ethyl benzene were detected in RW-5, and low concentrations of toluene, ethyl benzene and MTBE were detected in

RW-6 but did not exceed the standard. MTBE concentrations have frequently exceeded applicable standards for RW-1 and RW-2 since 2011 (Table 8.11).

- Major cations and anions were not analyzed in 2015 (Table 8.11.1).
- DRO and GRO concentrations were detected in RW-2, RW-5 and RW-6 during both sample events in 2015. The highest concentrations of DRO were detected in RW-6 at 1,400 mg/L (Aug. 2015) and 340 mg/L (Oct. 2015). MRO was not detected in any of the RW wells during 2015.
- Total and dissolved metals were not analyzed in 2015 (8.11.2 and 8.11.3) Hydrocarbon recovery from RW-1 has shown a steady decrease from 2005 through 2015. In 2015, total hydrocarbon recovery is estimated at 2.0 gallons in 55 gallons of water purged compared to the 2005 estimate of 431 gallons of hydrocarbons in 1,210 gallons of water. No measureable hydrocarbons have been detected in RW-2 since the well was installed. RW-5 and RW-6 have shown a steady decrease in hydrocarbons since 2005. SPH has not been detected in RW-5 and RW-6 since February 2009 and November 2011, respectively.

6.4 CONSTITUENT LEVELS IN GROUP D MONITORING WELLS

The Group D wells include three process/production wells, PW-2, PW-3, and PW-4 that supply water to the refinery and for domestic uses. These process wells reach approximately 1,000 ft and are screened in the San Andreas/Yeso aquifer. Additionally, Group D also includes four observations wells OW-1, OW-10, OW-11, and OW-12. The OW-1 and OW-10 wells are located in the northwest portion of the refinery. OW-11 is located near the entrance of the refinery and OW-12 is west of the tank farm in the surplus yard.

6.4.1 PROCESS WELLS: PW-2, PW-3, PW-4

PW-2, PW-3 and PW-4 are all process/production wells which supply process water to the refinery and domestic water to the company housing and Pilot Travel Center. PW-2 is located west of evaporation pond 6 (EP-6). PW-3 is centrally located directly north of the maintenance shop, and PW-4 is located on the southern edge of the refinery property and adjacent to the Pilot Lift Station.

The production wells are on a staggered 3-year sampling schedule, with the exception of PW-3 which is sampled annually since the detection of 2-methylnaphthalene exceeding the applicable standard in 2008. In 2015, a groundwater sample was collected from P PW-3 for the following analytes: BTEX, MTBE, nitrate, WQCC total and dissolved metals, and VOCs and SVOCs.

The process well PW-3 was sampled in 2015 on the following dates:

Well ID	Date
PW-3	8/23/15

- BTEX and MTBE were not detected in PW-3 in 2015 (Table 8.12).
- Low concentrations of fluoride and chloride were present in PW-3 in 2015. The sulfate concentration (750 mg/L) exceeded the applicable standard (600 mg/L).
- In 2015, low concentrations of total and dissolved arsenic, barium, iron, selenium, and uranium were detected in well PW-3. Each of the detected concentrations was below applicable standards (Table 8.12.1 and 8.12.2)
- No VOCs or SVOCs were detected in PW-3 in 2015 (Table 8.12.3).

6.4.2 OBSERVATION WELLS: OW-1 AND OW-10

Observation well OW-1 is an artesian well located on the west side of EP-6. Well OW-10 is located down gradient from OW-1 on the east side of EP-9. Wells OW-1 and OW-10 are screened in the Sonsela stratigraphic unit. Inspection requirements for these two wells were modified in 2010, per the 2010 FWGWMP, and included sampling on a quarterly basis. In agreement with OCD, approved by NMED, the third quarter sampling was combined with the annual sampling event. In 2015, groundwater samples from OW-1 and OW-10 were evaluated for the following analytes: BTEX, MTBE, DRO, GRO, MRO, major cations/anions, WQCC total and dissolved metals, VOCs, and SVOCs.

Groundwater samples were collected from OW-1 and OW-10 in 2015 on the following dates:

Well ID	Date	Date	Date	Date
OW-1	3/9/15	6/3/15	8/12/15	10/28/15
OW-10	3/9/15	6/3/115	8/12/15	10/28/15

- In the last quarter of 2015, low concentrations of benzene, toluene, total xylenes, and MTBE were detected in OW-1, and low concentrations of toluene, ethyl benzene, total xylenes, and MTBE were detected in OW-10. MTBE was detected in all four quarters of 2015 in OW-10 (Table 8.13).
- DRO and MRO were not detected above applicable standards in either OW-1 or OW-10 during 2015. Low concentrations of GRO were detected in quarters two and three in OW-10, but the constituent was not detected in OW-1 in 2015 (Table 8.13.1).

- In 2015, low concentrations of fluoride, chloride, bromide, and sulfate were detected in OW-1 but remain below the applicable standards. Low concentrations of sulfate and GRO were detected in OW-10 but were below the applicable standards. The chloride concentration in OW-10 continues to exceed the standard of 250 mg/L, but constituent concentrations remains below the standard for OW-1 (77 mg/L, quarter 2) (Table 8.13.1).
- In well OW-1, concentrations of total uranium were detected above the applicable standards in all four quarters of 2015. Concentrations of dissolved iron (quarter 3) and uranium (all four quarters) were detected above the applicable standards in 2015. In well OW-10, total and dissolved concentrations of uranium have exceeded the applicable standard of 0.03 mg/L from 2010 through 2015. Low concentrations below applicable standards of other total and dissolved metals were detected in OW-1 and OW-10 (Tables 8.13.2 and 8.13.3).
- In well OW-10, in the third quarter, the constituent 1,1-dichloroethane was detected but concentrations did not exceed the standard of 0.025 mg/L (Table 8.13.4).

6.4.3 OBSERVATION WELLS: OW-11 AND OW-12

Observation well OW-11 is located within the refinery property (southeast) on the west side of the main entrance. Well OW-12 is located within the surplus or bone yard located west and slightly north of the primary tank farm. OW-11 and OW-12 are screened in the Sonsela stratigraphic unit.

Well inspections and sampling are conducted annually. In 2015, groundwater samples from the two wells were evaluated for the following analytes: BTEX, MTBE, major anions/cations, GRO, DRO, MRO, WQCC total and dissolved metals, VOCs, and SVOCs. Observation well OW-11 and OW-12 were sampled in the third quarter of 2015 on the following dates:

Well ID	Date
OW-11	8/17/15
OW-12	8/13/15

- BTEX and MTBE have not been detected in OW-11 and OW-12 since 2006 and remained non-detect for 2015 (Table 8.14).
- Fluoride and sulfate concentrations continue to exceed the applicable standards (1.6 mg/L and 600 mg/L, respectively) in OW-11 with fluoride detected at 1.9 mg/L and sulfate at 880 mg/L in 2015. In 2015, chloride concentrations were detected in both wells but did not exceed the standard. Bromide was detected below applicable standards in OW-11 and OW-12 (Table 8.14.1).
- GRO, DRO and MRO were not detected in OW-11 and OW-12 in 2015 (Table 8.14.1).
- In OW-11, total and dissolved uranium concentrations continue to exceed the standard of 0.03 mg/L; the constituent was detected at 0.23 mg/L in 2015. Uranium concentrations were detected in OW-12 but remain below the standard. Low concentrations of barium and manganese were detected in both wells. Selenium was detected in OW-11 but did not exceed the applicable standard (Tables 8.14.2 and 8.14.3).

- Bis(2-ethylhexyl)phthalate was not detected in OW-11 during 2015 (Table 8.14.4).

6.5 CONSTITUENT LEVELS IN GROUP E MONITORING WELLS

To date, a total of 44 monitoring wells (MKTF-1 through MKTF-44) have been installed to aid in delineating the extent of a hydrocarbon seep discovered in 2013, directly west of crude tanks T-101 and T102. During the investigation, a pre-existing well (labeled as MKTF-45) was found directly west of the truck-loading rack. Each of the wells has been constructed into permanent monitoring wells, and these wells are designated as Group E wells.

6.6 CONSTITUENT LEVELS FOR MKTF WELLS

In 2015, groundwater samples were collected from the MKTF wells and evaluated for the following analytes: BTEX, MTBE, DRO, GRO, MRO, major cations/anions, metals, VOCs, and SVOCs. Wells that had a hydrocarbon layer were not sampled.

- Benzene concentrations exceeded the standard of 0.005 mg/L in the following wells: MKTF-1, MKTF-2, MKTF-4, MKTF-9, MKTF-10, MKTF-11, MKTF-16, and MKTF-17 through MKTF-26. The greatest benzene concentration (28 mg/L) during 2015 occurred in well MKTF-16 during quarter four (Table 8.15).
- Toluene concentrations exceeded the standard of 0.75 mg/L in the following wells: MKTF-1, MKTF-10, MKTF-11, MKTF-20, and MKTF-23. The highest toluene concentration (22 mg/L) occurred in well MKTF-10 during quarter four (Table 8.15).
- Ethylbenzene concentrations exceeded the standard of 0.7 mg/L in the following wells: MKTF-1, MKTF-10, MKTF-11, MKTF-16, and MKTF-19. The highest concentration (1.7 mg/L) occurred in MKTF-16 during quarter four (Table 8.15).
- Total xylenes concentrations exceeded the standard of 0.62 mg/L in the following wells: MKTF-1, MKTF-4, MKTF-10, MKTF-11, MKTF-16, MKTF-19, MKTF-20, MKTF-21, MKTF-23, and MKTF-37. The highest concentration (9.6 mg/L) occurred in well MKTF-20 (Table 8.15).
- MTBE concentrations exceeded the standard of 0.143 mg/L in the following wells: MKTF-1, MKTF-4, MKTF-9, MKTF-16, MKTF-17, MKTF-19, MKTF-21, MKTF-22, MKTF-23, MKTF-24, MKTF-25, MKTF-32, MKTF-33, and MKTF-36. The highest concentration (9.7 mg/L) occurred in well MKTF-19 during quarter one (Table 8.15).
- The constituent DRO and GRO were detected in MKTF-1 through MKTF-23, MKTF-25, MKTF-31, MKTF-35, MKTF-36, MKTF-37, MKTF-39, and MKTF-42. Detectable concentrations of GRO were also detected in MKTF-24, MKTF-26, MKTF-27, MKTF-30, MKTF-32, MKTF-33, and MKTF-38. There were no detectable concentrations of MRO in any well above the applicable standards. (Table 8.15.1).
- Chloride concentration exceedances above the standard (250 mg/L) were noted in the following wells: MKTF-1, MKTF-2, MKTF-4, MKTF-10, MKTF-11, MKTF-16, MKTF-23, MKTF-24, MKTF-25, MKTF-26, MKTF-27, MKTF-28, MKTF-30, MKTF-31, MKTF-32, MKTF-34, MKTF-39, MKTF-40, MKTF-41, MKTF-42, and MKTF-43. Fluoride concentration exceedances above the standard (1.6 mg/L) was noted in MKTF-2 (Table 8.15.1).

- Total metals concentrations above applicable standards were noted in the following wells (Table 8.15.2):
 - Arsenic (0.01 mg/L): MKTF-4, MKTF-10, MKTF-16, MKTF-17, MKTF-18, MKTF-19, MKTF-20, MKTF-21, MKTF-23, and MKTF-36.
 - Barium (1 mg/L): MKTF-1, MKTF-4, MKTF-10, MKTF-11, MKTF-15, MKTF-16, MKTF-17, MKTF-18, MKTF-19, MKTF-20, MKTF-21, MKTF-22, MKTF-24, MKTF-33, MKTF-35, MKTF-36, and MKTF-39.
 - Chromium (0.005 mg/L): MKTF-10, MKTF-18, and MKTF-22.
 - Iron (1 mg/L): all wells sampled.
 - Lead (0.015 mg/L): MKTF-4, MKTF-10, MKTF-17, , MKTF-18, MKTF-19, MKTF-21, MKTF-22, MKTF-24, MKTF-25, MKTF-35, MKTF-36, MKTF-37, MKTF-38, MKTF-39, and MKTF-44.
 - Manganese (0.2 mg/L): all wells sampled except MKTF-34.
 - Selenium (0.05 mg/L): MKTF-41 and MKTF-43.
 - Uranium (0.03 mg/L): MKTF-2, MKTF-10, MKTF-17, MKTF-18, MKTF-22, MKTF-23 through MKTF-28, MKTF-30 through MKTF-34, and MKTF-40 through MKTF-44.
- Dissolved metals concentrations above applicable standards were noted in the following wells (Table 8.15.3):
 - Arsenic: MKTF-4, MKTF-10, MKTF-16, MKTF-19, MKTF-20, MKTF-21, MKTF-23, and MKTF-36.
 - Barium: MKTF-1, MKTF-4, MKTF-10, MKTF-11, MKTF-15, MKTF-16, MKTF-18, MKTF-19, MKTF-20, MKTF-21, MKTF-22, MKTF-36, and MKTF-39.
 - Iron: MKTF-1, MKTF-4, MKTF-9, MKTF-10, MKTF-11, MKTF-15, MKTF-16, MKTF-18, MKTF-19, MKTF-20, MKTF-21, MKTF-22, MKTF-23, MKTF-24, MKTF-27, MKTF-30, MKTF-35, MKTF-36, MKTF-37, MKTF-39, MKTF-41, MKTF-43, and MKTF-44.
 - Manganese: all wells except MKTF-30, MKTF-31, MKTF-32, MKTF-34, MKTF-41, and MKTF-44.
 - Uranium: MKTF-2, MKTF-24 through MKTF-28, MKTF-30 through MKTF-33, and MKTF-40 through MKTF-44. No VOCs or SVOCs were detected above applicable standards in wells MKTF-17, MKTF-27, MKTF-28, MKTF-29, MKTF-33, MKTF-34, MKTF-38, MKTF-40, MKTF-41, MKTF-43, and MKTF-44.

The remaining wells had concentrations of the following constituents, which exceeded the referenced standards in at least one of the MKTF wells (Tables 8.15.4 and 8.15.5):

- Aniline (0.013 mg/L)
- 1-methyl naphthalene (0.0011 mg/L)
- 2-methylnaphthalene (0.036 mg/L)
- 3,4-methylphenol (0.93 mg/L)
- Naphthalene (0.00017 mg/L)
- Phenanthrene (0.17 mg/L)
- Phenol (0.005 mg/L)
- 1,2,4-trimethylbenzene (0.015 mg/L)
- 1,3,5-trimethylbenzene (0.12 mg/L)
- 1,2-dichloroethane (0.0017 mg/L)
- 1-methylnaphthalene (0.0011 mg/L)
- 1,1-dichloroethane (0.025 mg/L)
- 1,1-dichloroethene (0.005 mg/L)
- Tetrachloroethene (0.005 mg/L)
- Trichloroethane (0.005 mg/L)
- Trichloroethene (0.005 mg/L)
- Vinyl chloride (0.001)

6.7 CONSTITUENT LEVELS FOR EVAPORATION PONDS, INFLUENTS, AND EFFLUENTS

There are eleven evaporation ponds located within the northwest section of the refinery. Evaporation pond 1 is more commonly known as Pond 1 and is considered separate from the remaining SMWU No. 2 Evaporation Ponds. Pond 1, which is out of service, is separated by a dike along the north side of aeration lagoon 1 (AL-1) and aeration lagoon 2 (AL-2), and was used as a holding pond for the aeration lagoons. Evaporation ponds 2 through 6 are separated by dikes and are located west of AL-2. Evaporation pond 9 (EP-9) is to the south and is separated from EP-2 through EP-6 by a two-track road. Evaporation ponds 7, 8, 11, 12A, and 12B are also separated by dikes and are located on the northwest corner of the refinery. In addition to the evaporation ponds, there are three influents and three effluent points that are routinely monitored.

6.7.1 EVAPORATION PONDS 1 THROUGH 12B

Samples have been collected annually from Pond 1 and EP-2 through EP-8 since 2007. In 2011, EP-9, EP-11, EP-12A, and EP-12B were added to the sample list, per the 2010 FWGWMP, and the sample frequency was increased to semi-annually for all of the ponds. Pond 1 has been taken out of service.

In 2015, samples were collected from the evaporation ponds for the following analytes: BTEX, MTBE, major anions/cations, biochemical oxygen demand (BOD), chemical oxygen demand (COD), e-coli bacteria, WQCC total and dissolved metals, and VOCs and SVOCs. EP-2 through EP-9, EP-11, EP-12A, and EP-12B were sampled in 2015 on the following dates:

Sample Location	Date	Date
Ponds 2 – 12B	3/26/15	9/2/15

- Benzene concentrations were detected above the applicable standard (0.005 mg/L) in the first quarter of 2015 in the following evaporation ponds: EP-2, EP-3, EP-4, and EP-12B. The rest of the BTEX constituents and MTBE were below applicable standards for the remaining EPs in 2015 (Table 8.16).
- Concentrations of fluoride, chloride, and sulfates exceeded the applicable WQCC standards in each evaporation pond during 2015 (Table 8.16). In 2015, BOD concentrations exceeded the general requirement of the 20 NMAC 6.2.3103 (<30 mg/L) in each of the evaporation ponds except for EP-7 and EP-9. COD concentrations exceeded the general requirement (<125 mg/L) in each of the ponds. The e-coli standard of 500 organisms/100 mL was exceeded in EP-2 (5,475 CFU/100 mL), EP-3 (24,196 CFU/100 mL), EP-4 (5,475 CFU/100mL), EP-5 (1,515 CFU/100mL), EP-12A (12,033 CFU/100mL), and EP-12B (>2,419.6 CFU/100mL) (Table 8.16.1).
- Fluoride, chloride and sulfate concentrations exceeded the applicable standards in each evaporation pond during 2015 (Table 8.16.2).
- Total metals concentrations in pond samples were detected as follows (Table 8.16.3):
 - Arsenic, manganese and iron concentrations in each pond exceeded the applicable standards in one or more of the samples.
 - Detectable concentrations of barium and chromium were found in one or more samples, but were below applicable standards with the exception of exceedance of chromium in EP-6 (1.6 mg/L).
 - Cadmium, copper, and lead were below applicable standards in each pond sample.
 - A low concentration of mercury (0.00032 mg/L) was detected in one EP-1 sample, but the concentration was below the applicable standard.
 - Selenium concentrations exceeded applicable standard in EP-7, EP-8, EP-9 and EP-11.

- A low concentrations of uranium were detected in EP-2, EP-3, EP-4, EP-12A, and EP-12B, but the concentrations were below the applicable standard. Low concentrations of zinc were detected in the evaporation ponds samples, but each was below the constituent applicable standards.
- Dissolved metals concentrations in pond samples were detected as follows (Table 8.16.3):
 - Arsenic and manganese concentrations in each pond exceeded the applicable standards in one or more semiannual samples.
 - Iron concentrations exceeded the standard in one or more samples of EP-2, EP-4, and EP-12B.
 - Selenium concentrations exceeded the applicable standard in one sample of EP-7, EP-8, EP-9, and EP-11.
 - Low concentrations of barium were detected in each pond, but all were below the applicable standard.
 - A low concentration of uranium was detected in EP-2 (0.0031 mg/L), EP-4 (0.0026 mg/L) and EP-12A (0.0025 mg/L) but these concentrations are below the applicable standard.
 - Cadmium, copper, lead, and silver were not detected in any pond samples.
- No VOCs were detected in any of the ponds during 2015 with the exception of low concentrations of acetone in EP-3 and EP -12B (Table 8.16.5).
- Although aniline was detected in concentrations exceeding the standard of 0.013 mg/L during March 2014 in EP-2, EP-3, EP-4, and EP-5 , aniline was not detected in any of the ponds in 2015. Phenol concentrations exceeded the standard of 0.005 mg/L in September 2015 for EP-2 (0.22 mg/L). Low concentrations of 3,4-methylphenol were detected in EP-1, EP-2, EP-3, and EP-12B but did not exceed the applicable standard of 0.093 mg/L (Table 8.16.6).

6.7.2 INFLUENTS: AL-1, AL-2, AND EP-1

The start-up of the new WWTP occurred in May 2012. By the end of June 2012, all of the processed water going into AL-1 was re-routed to the WWTP, via Tank 35 and the NAPIS unit, with the exception of the Pilot lift station. Some gravitational flow continued from AL-1 to AL-2 and from AL-2 to Pond 1 (EP-1) through the second half of 2013.

The aeration lagoons and pond 1 are no longer in service and no samples were collected in 2015.

6.7.3 EFFLUENTS: AL-2 TO EP-1, PILOT, AND NAPIS

All effluents have been non-existent since June 2013 due to re-routing waters to the WWTP. The last effluent sample from AL-2 was in June 2013. The Pilot effluent was rerouted in June 2013 while the NAPIS unit was re-routed mid-June 2012. No effluent analyses are available for 2015.

6.7.4 OUTFALL BW TO EP-2

BW is defined as reverse osmosis water coming from the boiler unit. The flow from the boiler unit discharges into EP-2 through a 4-inch PVC pipe. EP-2 is directly west of EP-1. The BW to EP-2 sample is t evaluated for the following analytes: major anions/cations.

The BW to EP-2 sample was taken March 23, 2015.

- The sulfate concentration (2,000 mg/L) exceeded the standard of 600 mg/L. All other constituents were either below applicable standards or were not detected (Tables 8.17).

6.7.5 OUTFALL STP1 to EP-2 Inlet

The EP-2 Inlet designation was changed to STP1 to EP-2 in the second half of 2012 due to the startup of the new WWTP and the new sanitary treatment pond (STP-1). STP-1 effluent now flows into the northeast corner of EP-2. The STP1 to EP-2 inlet is sampled on an annual basis, and sampled for the following analytes: BTEX, MTBE, VOCs, GRO, DRO, MRO, BOD, COD, and TDS.

The EP-2 inlet was sampled August 24, 2015.

- The DRO concentration of 2.3 mg/L exceeded the applicable standard (0.2 mg/L). The TDS concentration of 2,420 mg/L exceeded the standard of 1,000 mg/L. All other BTEX and 8015 constituents were below the applicable standards (Table 8.18).
- BOD and COD concentrations exceeded the applicable standards in 2015 (Tables 8.18.1).
- A low concentration of acetone was detected but is below applicable standards. No other VOCs were detected in 2015 (Tables 8.18.2).

6.8 ADDITIONAL SAMPLING AND/OR CHANGES

Requirements by NMED:

- Sample wells upgradient from the NAPIS wells, OW-1, OW-10, and OW-11 and review analytical results to determine if uranium detections are similar in concentrations in unaffected wells.
- Sample upgradient wells from the NAPIS wells, OW-1, OW-10, and OW-11 for total and dissolved metals.

The marketing (MKTf) wells from the hydrocarbon seep investigation have been added to the ground water sampling plan.

SECTION 7

CONCLUSIONS AND RECOMMENDATIONS

This section is an overview of the analytical water quality data collected to identify potential impacts to the groundwater and determine if further monitoring or site investigations are required.

7.1 GROUP A

The boundary wells (BW-1A, BW-1B, BW-1C, BW-2A, BW-2B, BW-2C, BW-3A, BW-3B, and BW-3C) located in the northwest corner of the refinery along the west sides of evaporation ponds 7, 8 and 11 have not shown any detection of BTEX or MTBE constituents during annual sampling events (BW-1A, BW-1B and BW-3A contained no water on the fluid-level gauging date and were not sampled). Fluoride concentrations were detected above WQCC standards in BW-1C, BW-2B, and BW-2C, which may be naturally occurring in the groundwater. In 2015, iron exceeding the applicable standard was detected in wells BW-2B and BW-3C, but this metal may be naturally occurring as well. Low concentrations of barium, lead, manganese, and uranium are frequently detected in most of the boundary wells. The semi-volatile organic compound bis(2-ethylhexyl) phthalate was detected in BW-3B (0.01 mg/L) in 2009, BW-3C (0.01 mg/L) in 2011 and BW-1C (0.01 mg/L) in 2013. Detection of this organic compound in the groundwater sample may be a laboratory contaminate or possibly originate from the PVC pipe materials used as casing for the wells.

The MW (MW-1, MW-2, MW-4, and MW-5) series of wells are located around the RCRA LTU. No detectable concentration levels of BTEX or MTBE constituents have been found in the groundwater samples collected from these wells. No metals (total or dissolved) exceeded the applicable standards; however, very low concentrations of arsenic, barium, iron, manganese, and uranium were detected in most of the MW series of wells. MW-1 showed low concentrations of lead in 2014 and 2015. 2015 analytical data indicates no detection of VOCs or SVOCs in any of the MW wells; however, in 2008, bis(2-ethylhexyl)phthalate was detected in the groundwater collected from MW-4. The detection of this particular constituent in the groundwater sample may have been a laboratory contaminant or from the PVC pipe materials used in this well. These wells are also monitored under the RCRA Post Closure Permit on a 10-year cycle. The first cycle was completed in 2009/2010.

The SMW (SMW-2, SMW-4) wells are also located around the RCRA LTU and are screened in the Chinle/Alluvium Interface stratigraphic unit. These wells are also monitored under the RCRA Post Closure Permit on a 10-year cycle. The first cycle was completed in 2009/2010. No detectable concentration levels of BTEX constituents were found in these wells from 2006 through 2014. MTBE was only detected in SMW-2 in 2008 and 2010 through 2015 at concentration levels below the NMED Tap Water standard of 0.143 mg/L. SMW-2 also had elevated chloride and sulfate levels, and two metals (total and dissolved), manganese and uranium that were detected exceeding the WQCC standards. In SMW-4, uranium (0.036 mg/L total and 0.035 mg/L dissolved) was the only metal that exceeded the WWCC standard of 0.03 mg/L in 2015. In 2015 no detections of any organic compounds have been detected in SMW-2 or SMW-4.

7.2 GROUP B – GROUNDWATER MONITORING

Benzene concentrations from all 2015 sampling events at GWM-1 have exceed applicable standards. This would indicate the potential for historical releases from the aeration lagoons. There was an insufficient volume of water in GWM-2 during the fourth quarter of 2013 for sample collection, and the well was reported dry for all of 2014 and 2015. GWM-3 was dry during 2013, 2014 and 2015.

Pond levels in the aeration lagoons and pond 1 decreased in 2013 because all the influent into the aeration lagoons was diverted to the WWTP plant. The lagoons and pond 1 were taken out of service and no longer receive any water. Water levels in the aeration lagoons and pond 1 have been significantly lower and slowly evaporating. It was noted that the decrease in pond volumes did affect the water levels detected in the GWM wells. There were no significant changes in contaminant detections noticed in the GWM wells.

Also at the aeration basin are four monitoring wells situated around the NAPIS installed in 2007 and 2008 to address potential hydrocarbon leaks from the NAPIS. NAPIS-1 located on the east side (up-gradient) of the NAPIS has had no detectable contaminants since 2008. Down gradient of the NAPIS on the west side, NAPIS-2 and KA-3 have had concentrations of benzene and MTBE above the applicable standards. Samples collected from NAPIS-3 have not shown any BTEX or MTBE constituents since September 2010. 1-methylnaphthalene and naphthalene were detected above applicable standards during the third quarter 2013 in NAPIS-2. These constituents were detected in NAPIS-2 in 2015 but below applicable standards.

There are three leak detection units on the NAPIS Unit which are inspected for fluid level. Quarterly inspections of the units have indicated the presence of fluids. All three leak detection units (East LDU, West LDU, and Oil Sump LDU) continue to have a fluid level and are pumped out on a regular basis. During 2015, there was insufficient water for sampling in the Oil Sump LDU during the year. Recent water column measurements on the West LDU indicate that the bay is leaking into the LDU. The East LDU also contains water but it has been out of service for the last year. Plans are to inspect the east bay, place it back in service and then take the west bay out of service for inspection. The LDUs are pumped out every few months and the maximum recharge to the LDUs takes place over a few weeks following water removal..

A new well was installed on July 17, 2012, designated as OAPIS-1. The installation of this well is from a site investigation conducted according to the Investigation Work Plan Solid Waste Management Unit (SMWU) No. 1 Aeration Basin and SMWU No. 14 Old API Separator. Benzene and MTBE concentrations were above applicable standards for all 2015 sampling events.. Arsenic, iron and manganese concentrations were also above applicable standards in OAPIS-1 in 2015.

Initial sampling of STP1-NW began in the second quarter of 2014. Chloride concentrations exceeded WQCC standards during the first and fourth quarter of 2015, and iron concentrations exceeded WQCC standards during the first three quarters. Analytical results show no detections of BTEX, VOCs, or SVOCs.

7.3 GROUP C – GROUNDWATER MONITORING

Groundwater monitoring activities from the Group A wells (northeast side of the Refinery) have shown that an MTBE plume exists between wells OW-13, OW-14, OW-29, and OW-30. In March of 2010, dedicated pumps were installed in all four wells to prevent possible cross contamination from sampling equipment and or field activities. Although concentration levels of MTBE in OW-13 does not exceed the applicable standard of 0.143 mg/L, sample data indicates a steady increase of MTBE from year to year. Of the three wells OW-14 is the only well where two constituents (benzene and MTBE) have been consistently detected in the groundwater samples collected since 2006 that have exceeded the applicable standards. These two constituents continued to increase from year to year through 2015. OW-14 is located down-gradient from two recovery wells RW-1 and RW-2. RW-1 is the only well where hydrocarbons are continually recovered. 2015 analytical data from RW-1 and RW-2 indicate high levels of BTEX, MTBE and phenol.

Down gradient from OW-14 is OW-29 and OW-30 and the analytical data from both of these wells indicates that MTBE is present in the groundwater at concentration levels exceeding the NMED Tap Water standard of 0.143 mg/L since March of 2010 in OW-29 and December 2007 in OW-30. Analytical data for these four wells indicate a steady increase of MTBE concentration levels indicating that the MTBE plume is slowly migrating in a north, north-west direction down-gradient from RW-1 and RW-2. The stratigraphic units in which these wells exist are screened in the Chinle/Alluvium Interface.

Two new wells (OW-50 and OW-52) were installed in October 2009 downgradient of OW-13, OW-14 and OW-29 to monitor possible migration of MTBE in a north, north-east direction. To date, no detectable concentration levels of BTEX or MTBE constituents have been detected in OW-50 and OW-52. Based on the analytical data from these two new wells the migration of MTBE may be in a north-northwest direction from OW-29.

The inspection of the four recovery wells (RW-1, RW-2, RW-5 and RW-6) will continue as scheduled along with SPH recovery. No changes in product recovery are required and will continue with scheduled quarterly inspections. These wells were added to the annual sampling schedule beginning in 2011. Product recovery continues in RW-1 as there is a measureable hydrocarbon column thickness. Field notes indicate that although the SPH thickness level in RW-1 has generally increased since the first quarter of 2013, hydrocarbon recovery has shown a general decrease from 2005 through 2015. Total hydrocarbon recovery is estimated at 2 gallons for 2015 compared to 431 gallons in 2005. Additional information regarding characteristics of RW-1 will be collected during field work from the approved Work Plan for investigation at OW-14. RW-5 and RW-6 product recovery has also been declining. From 2010 through 2015, no product has been recovered from RW-5 and no product was recovered from RW-6 between 2012 to 2015. Although there is no measureable product level in RW-5 and RW-6 both wells will continue to be bailed as there is evidence of hydrocarbons in the wells from observing the bailed water (slight odor with a visible sheen).

7.4 GROUP D – GROUNDWATER MONITORING

PW-2, PW-3 and PW-4 are all process/production wells that are all set at around 1000 feet. All three of these wells are sampled every three years with the exception of PW-3 which was changed to annual in 2009 due to the detection of 2-methylnaphthalene in January 2008. Although the samples collected in August 2008 were all non-detect, it was determined by NMED that annual sampling was required for PW-3. No organic compounds have been detected in PW-3 from 2009 through 2015. Based on the analytical data

the remaining two process wells remain relatively free of contaminants. Three organic compounds (1,2,4-trimethyl benzene, 1,3,5-trimethyl benzene and n-propyl benzene) were detected for the first time at low concentrations in PW-4 in 2013. PW-3 continues to be sampled on an annual basis pending approval from NMED for a request to return PW-3 to the 3-year sampling schedule. The next three-year sample event is scheduled in 2017 for PW-2 and 2016 for PW-4.

OW-1 is an artesian well located on the west section of the refinery property. Historically, OW-1 is a relatively clean well, however, low concentrations of benzene, toluene, total xylenes, and MTBE were detected for the first time in the fourth quarter of 2015. The only contaminants that have exceeded the WQCC standard is iron and uranium which are naturally occurring elements found in rock, soil, and water.

OW-10 is developed in the Sonsela Aquifer and is located directly east of evaporation pond 9 (EP-9).

Concentrations of toluene, ethyl benzene and total xylenes have been detected for the first time in the fourth quarter 2015 at levels below applicable standards. MTBE was detected in all four quarters of 2015 at concentrations below the applicable standard and has decreased since concentrations were detected above the applicable standard in 2012 and 2013. As the result of the presence of MTBE in OW-10, NMED has requested that an additional monitoring well be installed. Uranium concentration levels have also exceeded the WQCC standard of 0.03 mg/L since 2010, however it is believed to be naturally occurring. Concentrations of 1,1-dichloroethane have been detected at levels below applicable standards in the well since 2011 .

Observation well OW-11 is located within the refinery property (southeast) on the west side of the main entrance. The well is screened in the Sonsela stratigraphic unit. No BTEX, MTBE, VOCs, SVOCs (other than bis(2-ethylhexyl)p hthalate detected in 2013 that is suspected to be either a lab artifact or from the PVC materials used to construct the well) have been detected OW-11. Total and dissolved uranium concentrations continue to exceed the standard of 0.03 mg/L.

RECOMMENDATIONS: *Continue with current sampling schedule.*

7.5 GROUP E – GROUNDWATER MONITORING

To date, a total of 44 permanent monitoring wells (MKTF-1 through MKTF-44) have been installed to aid in delineating the extent of a hydrocarbon seep discovered in 2013, directly west of crude tanks T-101 and T-

102. During the investigation, a pre-existing well (labeled as MKTF-45) was found directly west of the truck-loading rack. The MKTF wells are sampled quarterly. BTEX, MTBE, DRO, GRO, total and dissolved metals, and several VOCs and SVOCs have been detected in many of the wells above the referenced standards. Recovery of SPH in several of the permanent wells will continue.

7.6 ADDITIONAL MONITORING

- Continue with the sampling requirements of the most current approved Facility Wide Groundwater Monitoring Work Plan.
- In order to prevent duplication and potential conflict of documentation, recommendations and/or changes to monitoring requirements will be included in future investigation work plans..
- Submit the Annual Groundwater Monitoring Report on or before September 1 of every year.
- Submit recommendations to change or modify sampling requirements as needed.
- Conduct site assessments as required when spills/leaks are discovered.

SECTION 8

DATA TABLES

8.1	BW-1A/B/C, BW-2A/B/C, BW-3A/B/C
8.2	MW-1, MW-2, MW-4, MW-5
8.3	SMW-2, SMW-4
8.4	GWM-1, GWM-2, GWM-3
8.5	NAPIS-1, NAPIS-2, NAPIS-3, KA-3
8.6	Leak Detection Units (East LDU, West LDU, Oil Sump LDU)
8.7	OAPIS-1
8.8	STP1-NW
8.9	OW-13, OW-14, OW-29, OW-30
8.10	OW-50, OW-52
8.11	RW-1, RW-2, RW-5, RW-6
8.12	PW-2, PW-3, PW-4
8.13	OW-1, OW-10
8.14	OW-11, OW-12
8.15	MKTF Wells
8.16	EVAPORATION PONDS 1 - 12B
8.17	Boiler Water to EP2 (BW to EP2)
8.18	STP1 to EP2

SECTION 9

WELL DATA DTW/DTB MEASUREMENTS

The 2015 Well Data DTB/DTW Measurements has been updated with survey information submitted to and approved by NMED per notification received "Approval with Modifications, Requirement to Resurvey Groundwater Monitoring Wells and Recovery Wells issued on September 26, 2012. Western was required to resurvey the monitoring wells due to discrepancies found in applicable standards ground level elevation, well casing elevation, well casing bottom elevation and stick up lengths. All monitoring wells were surveyed by a licensed professional surveyor, DePauli Engineering 0.on June 7, 2011, April 2014, September 2014, December 2014, and January 2015. The Well Data Table is attached as Section 9.1.

The additional wells from the hydrocarbon seep (MKTF series) and the two new wells STP1-NW and STP1-SW were surveyed by Hammon Enterprises Inc., professional surveyor on September 15, 2014, December 16, 2014 and on December 16, 2014.

SECTION 10

2015 MONITORING SCHEDULE

The 2015 Well Data DTB/DTW Measurements has been updated with survey information submitted to and approved by NMED per notification received "Approval with Modifications, Requirement to Resurvey Groundwater Monitoring Wells and Recovery Wells issued on September 26, 2012. Western was required to resurvey the monitoring wells due to discrepancies found in applicable standards ground level elevation, well casing elevation, well casing bottom elevation and stick up lengths. All monitoring wells were surveyed by a licensed professional surveyor, DePauli Engineering 0.

Tables and Appendices F and G

(Please see attached CD)

Appendix F – Temporary Land Farm Analytical Results

Appendix G – Hall Laboratory Analytical Data

TABLES
(ON ATTACHED CD)

8.1 BW-1C, BW-2A, BW-2B, BW-2C, BW-3B, BW-3C
BTEX Analytical Result Summary

			Parameters				
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.1	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
WELL ID	DATE SAMPLED	METHOD					
BW-1C	8/12/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/10/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/9/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/24/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/28/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-2A	8/12/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/9/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/9/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/24/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/28/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-2B	8/12/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/9/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/9/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/24/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/28/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-2C	8/12/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/10/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/9/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/24/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/28/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-3B	8/12/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/10/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/9/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/23/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/28/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-3C	8/12/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/10/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/9/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/23/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/28/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.1.1 BW-1C, BW-2A, BW-2B, BW-2C, BW-3B, BW-3C

General Chemistry Analytical Result Summary

			Parameters										
			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	pH	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	6 to 9	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	NE	1.0	10	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	NE	1.97	31.6	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	NE	2	32	4.0E-04	NE	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD											
BW-1C	8/12/2015	300.0/8015D	2.5	33	<0.1	<0.1	<0.1	<0.5	250	NA	<1.0	<0.05	<5.0
	9/10/2014	300.0	2.6	33	0.12	<1.0	<1.0	<0.5	260	NA			
	9/9/2013	300.0	2.1	34	<0.1	14	14	<0.5	260	NA			
	8/24/2012	300.0	2.3	34	<0.1	<1.0	<1.0	<0.5	260	NA			
	10/28/2011	300.0	2.6	33	<0.1	1.7	1.7	<0.5	260	NA			
	7/20/2010	300.0	2.7	37	0.11	<1.0	<1.0	<0.5	290	8.66			
	BW-2A	8/12/2015	300.0/8015D	1.1	36	0.2	<1.0	<1.0	0.72	7.3	NA	<1.0	<0.05
9/9/2014		300.0	1.1	37	0.4	<1.0	<1.0	0.57	7.1	NA			
9/9/2013		300.0	0.9	37	0.39	3.5	3.5	<0.5	7.2	NA			
8/24/2012		300.0	0.95	38	0.54	<1.0	<1.0	<0.5	6.8	NA			
10/28/2011		300.0	1.1	37	0.36	<1.0	<1.0	0.58	7.0	NA			
7/20/2010		300.0	1.2	42	0.43	<1.0	<1.0	0.68	7.1	8.09			
BW-2B		8/12/2015	300.0/8015D	1.8	29	0.14	1.5	1.5	<0.5	160	NA	<1.0	<0.05
	9/9/2014	300.0	1.6	29	0.43	<1.0	<1.0	<0.5	160	NA			
	9/9/2013	300.0	1.7	28	0.14	33	33	<0.5	150	NA			
	8/24/2012	300.0	1.3	27	0.22	1.4	1.4	<0.5	150	NA			
	10/28/2011	300.0	1.6	27	0.75	<1.0	<1.0	<0.5	140	NA			
	7/20/2010	300.0	1.8	32	0.82	<1.0	<1.0	<0.5	160	8.17			
	BW-2C	8/12/2015	300.0/8015D	1.9	42	0.11	<1.0	<1.0	<0.5	270	NA	<1.0	<0.05
9/10/2014		300.0	2.0	42	0.11	<1.0	<1.0	<0.5	260	NA			
9/9/2013		300.0	1.6	43	<0.1	37	37	<0.5	270	NA			
8/24/2012		300.0	2.0	41	<0.5	<1.0	<1.0	<2.5	270	NA			
10/28/2011		300.0	2.0	43	<0.1	<1.0	<1.0	<0.5	280	NA			
7/20/2010		300.0	2.1	62	0.12	<1.0	<1.0	<0.5	310	8.73			
BW-3B		8/12/2015	300.0/8015D	1.3	31	0.18	<1.0	<1.0	1.1	46	NA	<1.0	<0.05
	9/10/2014	300.0	1.6	35	0.44	<1.0	<1.0	1.0	54	NA			
	9/9/2013	300.0	1.1	30	0.36	11	11	0.87	45	NA			
	8/23/2012	300.0	1.2	33	0.39	<1.0	<1.0	0.82	46	NA			
	10/28/2011	300.0	1.3	28	0.31	<1.0	<1.0	0.84	48	NA			

8.1.1 BW-1C, BW-2A, BW-2B, BW-2C, BW-3B, BW-3C

General Chemistry Analytical Result Summary

			Parameters										
			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	pH	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	6 to 9	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	NE	1.0	10	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	NE	1.97	31.6	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	NE	2	32	4.0E-04	NE	NE	NE	NE	NE
	7/20/2010	300.0	1.4	33	0.42	<0.01	<0.01	1.1	54	8.37			
BW-3C	8/12/2015	300.0/8015D	1.3	36	0.12	<1.0	<1.0	<0.5	340	NA	<1.0	<0.05	<5.0
	9/10/2014	300.0	1.3	35	0.14	<1.0	<1.0	<0.5	300	NA			
	9/9/2013	300.0	1.0	35	<0.1	<1.0	<1.0	<0.5	320	NA			
	8/23/2012	300.0	1.1	38	0.11	<1.0	<1.0	<0.5	310	NA			
	10/28/2011	300.0	1.4	35	<0.1	<1.0	<1.0	<0.5	320	NA			
	7/20/2010	300.0	1.4	41	0.12	<0.1	0.12	<0.5	380	8.57			

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8015D analysis added to plan in 2015 per NMED Comment 7(b), Approval with Modification, FWGWMWP - 2012 Updates; 2013 Updates; 2014 Updates for 2015.

8.1.2 BW-1C, BW-2A, BW-2B, BW-2C, BW-3B, BW-3C

Total Metals Analytical Result Summary

			Parameters											
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	9.2E-03	NE	0.8	14	0.015	0.43	0.1	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD												
BW-1C	8/12/2015	200.7/200.8	<0.001	0.044	<0.002	7.3E-03	<0.006	0.36	5.1E-04	0.049	<0.001	<0.0002	0.01	<0.01
	9/10/2014	200.7/200.8	<0.001	0.026	<0.002	<0.006	<0.006	0.43	<0.001	0.028	<0.001	<0.0002	9.9E-03	<0.01
	9/9/2013	200.7/200.8	<0.001	0.027	<0.002	0.018	<0.006	0.4	<0.001	0.025	<0.001	<0.0002	0.006	<0.01
	8/24/2012	200.7/200.8	<0.0025	0.028	<0.002	0.22	6.2E-03	0.49	<0.005	0.068	<0.0025	<0.0002	5.2E-03	0.011
	10/28/2011	200.7/200.8	<0.0025	0.018	<0.002	0.031	<0.006	0.1	<0.005	7.7E-03	<0.0025	<0.0002	4.3E-03	<0.01
	7/20/2010	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	<0.05	<0.005	8.3E-03	<0.05	<0.0002	0.003	<0.02
BW-2A	8/12/2015	200.7/200.8	7.3E-03	0.16	<0.002	<0.006	<0.006	0.5	<0.0005	0.14	<0.001	<0.0002	<0.0005	<0.01
	9/9/2014	200.7/200.8	8.5E-03	0.13	<0.002	<0.006	<0.006	0.34	<0.001	0.12	0.0023	<0.0002	<0.001	<0.01
	9/9/2013	200.7/200.8	7.6E-03	0.15	<0.002	<0.006	<0.006	0.47	<0.001	0.14	<0.001	<0.0002	<0.001	<0.01
	8/24/2012	200.7/200.8	7.2E-03	0.15	<0.002	<0.006	<0.006	0.49	<0.005	0.16	<0.0025	<0.0002	<0.0025	<0.01
	10/28/2011	200.7/200.8	7.2E-03	0.16	<0.002	<0.006	<0.006	0.87	<0.005	0.19	<0.0025	<0.0002	<0.0025	<0.01
	7/20/2010	6010B	<0.02	0.13	<0.002	<0.006	<0.006	0.36	<0.005	0.12	<0.05	<0.0002	<0.001	<0.02
BW-2B	8/12/2015	200.7/200.8	1.3E-03	0.1	<0.002	<0.006	<0.006	2.5	1.2E-03	0.21	1.9E-03	<0.0002	0.013	0.012
	9/9/2014	200.7/200.8	2.2E-03	0.04	<0.002	<0.006	<0.006	0.21	<0.001	0.14	4.8E-03	<0.0002	0.015	<0.01
	9/9/2013	200.7/200.8	1.1E-03	0.052	<0.002	<0.006	<0.006	0.38	<0.001	0.16	1.3E-03	<0.0002	0.014	<0.01
	8/24/2012	200.7/200.8	<0.0025	0.044	<0.002	<0.006	<0.006	0.12	<0.005	0.16	<0.0025	<0.0002	0.013	<0.01
	10/28/2011	200.7/200.8	<0.0025	0.056	<0.002	<0.006	<0.006	0.57	<0.005	0.26	<0.0025	<0.0002	0.015	<0.01
	7/20/2010	6010B	<0.02	0.047	<0.002	<0.006	<0.006	0.16	<0.005	0.22	<0.05	<0.0002	0.012	<0.02
BW-2C	8/12/2015	200.7/200.8	<0.001	0.024	<0.002	<0.006	<0.006	0.51	<0.0005	0.014	<0.001	<0.0002	5.6E-03	<0.01
	9/10/2014	200.7/200.8	1.1E-03	0.055	<0.002	0.01	<0.006	2.5	1.7E-03	0.067	<0.001	<0.0002	5.6E-03	0.014
	9/9/2013	200.7/200.8	<0.001	0.027	<0.002	<0.006	<0.006	0.39	<0.001	0.025	<0.001	<0.0002	5.6E-03	<0.01
	8/24/2012	200.7/200.8	<0.0025	0.086	0.013	0.013	<0.006	2.9	<0.005	0.12	<0.0025	<0.0002	4.7E-03	0.025
	10/28/2011	200.7/200.8	<0.0025	0.021	<0.002	8.5E-03	<0.006	0.28	<0.005	0.023	<0.0025	<0.0002	4.3E-03	<0.01
	7/20/2010	6010B	<0.02	0.024	<0.002	0.017	<0.006	0.74	<0.005	0.033	<0.05	<0.0002	0.006	<0.02

8.1.2 BW-1C, BW-2A, BW-2B, BW-2C, BW-3B, BW-3C

Total Metals Analytical Result Summary

			Parameters											
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	9.2E-03	NE	0.8	14	0.015	0.43	0.1	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD												
BW-3B	8/12/2015	200.7/200.8	4.8E-03	0.11	<0.002	<0.006	<0.006	0.51	<0.0005	0.11	<0.001	<0.0002	<0.0005	<0.01
	9/10/2014	200.7/200.8	4.7E-03	0.074	<0.002	<0.006	<0.006	0.32	<0.001	0.081	2.2E-03	<0.0002	<0.001	<0.01
	9/9/2013	200.7/200.8	4.7E-03	0.1	<0.002	<0.006	<0.006	0.51	<0.001	0.1	<0.001	<0.0002	<0.001	<0.01
	8/23/2012	200.7/200.8	4.4E-03	0.22	<0.002	0.01	<0.006	3.6	<0.005	0.22	<0.0025	<0.0002	<0.0025	0.014
	10/28/2011	200.7/200.8	4.9E-03	0.093	<0.002	7.5E-03	<0.006	0.82	<0.005	0.086	<0.0025	<0.0002	<0.0025	<0.01
	7/20/2010	6010B	<0.02	0.079	<0.002	<0.006	<0.006	0.45	<0.005	0.074	<0.05	<0.0002	<0.001	<0.02
BW-3C	8/12/2015	200.7/200.8	<0.001	0.039	<0.002	<0.006	<0.006	0.81	5.1E-04	0.028	<0.001	<0.0002	1.8E-03	0.015
	9/10/2014	200.7/200.8	2.1E-03	0.11	<0.002	0.013	<0.006	2.7	1.5E-03	0.073	<0.001	<0.0002	1.7E-03	0.016
	9/9/2013	200.7/200.8	2.1E-03	0.073	<0.002	<0.006	<0.006	1.5	<0.001	0.051	<0.001	<0.0002	0.002	0.01
	8/23/2012	200.7/200.8	<0.0025	0.043	<0.002	<0.006	<0.006	0.34	<0.005	0.022	<0.0025	<0.0002	<0.0025	0.012
	10/28/2011	200.7/200.8	<0.0025	0.036	<0.002	0.007	<0.006	0.16	<0.005	0.018	<0.0025	<0.0002	<0.0025	<0.01
	7/20/2010	6010B	<0.02	0.042	<0.002	6.8E-03	<0.006	0.83	<0.005	0.021	<0.05	<0.0002	<0.001	<0.02

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.1.3 BW-1C, BW-2A, BW-2B, BW-2C, BW-3B, BW-3C

Dissolved Metals Analytical Result Summary

			Parameters										
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.3	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.20E-05	0.4	9.20E-03	NE	0.8	14	0.015	0.43	0.1	0.06	6
Well ID	DATE SAMPLED	METHOD											
BW-1C	8/12/2015	200.7/200.8	<0.005	0.018	<0.002	<0.006	<0.006	0.04	<0.0025	0.011	<0.005	8.7E-03	<0.01
	9/9/2014	200.7/200.8	<0.001	0.02	<0.002	<0.006	<0.006	<0.02	<0.005	0.011	<0.001	8.9E-03	<0.01
	9/9/2013	200.7/200.8	<0.001	0.017	<0.002	<0.006	<0.006	<0.02	<0.001	<0.002	<0.001	5.7E-03	<0.01
	8/24/2012	200.7/200.8	<0.001	0.016	<0.002	<0.006	<0.006	<0.02	<0.005	2.9E-03	<0.001	0.005	<0.01
	10/28/2011	200.7/200.8	<0.001	0.016	<0.002	<0.006	<0.006	<0.02	<0.005	<0.002	<0.001	4.3E-03	0.026
	7/20/2010	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	<0.02	<0.005	9.4E-03	<0.05	0.003	<0.05
BW-2A	8/12/2015	200.7/200.8	7.9E-03	0.15	<0.002	<0.006	<0.006	0.37	<0.0025	0.14	<0.005	<0.0025	0.016
	9/9/2014	200.7/200.8	8.3E-03	0.16	<0.002	<0.006	<0.006	0.38	<0.005	0.13	2.7E-03	<0.005	<0.01
	9/9/2013	200.7/200.8	8.1E-03	0.15	<0.002	<0.006	<0.006	0.39	<0.001	0.15	1.5E-03	<0.001	<0.01
	8/24/2012	200.7/200.8	7.2E-03	0.14	<0.002	<0.006	<0.006	0.26	<0.005	0.13	0.001	<0.001	<0.01
	10/28/2011	200.7/200.8	6.5E-03	0.13	<0.002	<0.006	<0.006	0.28	<0.005	0.12	<0.001	<0.001	0.021
	7/20/2010	6010B	<0.02	0.14	<0.002	<0.006	<0.006	0.29	<0.005	0.14	<0.05	<0.001	<0.05
BW-2B	8/12/2015	200.7/200.8	<0.005	0.05	<0.002	<0.006	<0.006	0.6	2.9E-03	0.16	<0.005	0.012	<0.01
	9/9/2014	200.7/200.8	2.2E-03	0.042	<0.002	<0.006	<0.006	0.096	<0.001	0.14	4.7E-03	0.014	<0.01
	9/9/2013	200.7/200.8	1.6E-03	0.044	<0.002	<0.006	<0.006	0.078	<0.005	0.16	3.5E-03	0.014	<0.01
	8/24/2012	200.7/200.8	1.1E-03	0.043	<0.002	<0.006	<0.006	0.064	<0.005	0.16	1.9E-03	0.014	0.03
	10/28/2011	200.7/200.8	<0.001	0.051	<0.002	<0.006	<0.006	0.26	<0.005	0.25	1.3E-03	0.016	0.026
	7/20/2010	6010B	<0.02	0.047	<0.002	<0.006	<0.006	0.14	<0.005	0.22	1.2	0.012	<0.05
BW-2C	8/12/2015	200.7/200.8	<0.005	0.018	<0.002	<0.006	<0.006	<0.02	<0.0025	<0.002	<0.005	5.4E-03	<0.01
	9/10/2014	200.7/200.8	<0.001	0.031	<0.002	<0.006	<0.006	0.81	<0.005	2.6E-02	<0.001	5.1E-03	<0.01
	9/9/2013	200.7/200.8	<0.001	0.018	<0.002	<0.006	<0.006	<0.02	<0.001	2.5E-03	<0.001	5.3E-03	<0.01
	8/24/2012	200.7/200.8	<0.001	0.086	5.6E-03	<0.006	<0.006	3.0	<0.005	0.049	<0.001	4.8E-03	0.014
	10/28/2011	200.7/200.8	<0.001	0.015	<0.002	<0.006	<0.006	<0.02	<0.005	<0.002	<0.001	4.4E-03	0.015
	7/20/2010	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	0.028	<0.005	4.5E-03	<0.05	0.006	<0.05

8.1.3 BW-1C, BW-2A, BW-2B, BW-2C, BW-3B, BW-3C

Dissolved Metals Analytical Result Summary

			Parameters										
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.3	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.20E-05	0.4	9.20E-03	NE	0.8	14	0.015	0.43	0.1	0.06	6
Well ID	DATE SAMPLED	METHOD											
BW-3B	8/12/2015	200.7/200.8/	5.3E-03	0.1	<0.002	<0.006	<0.006	0.4	<0.0025	0.11	<0.005	<0.0025	<0.01
	9/10/2014	200.7/200.8/	6.1E-03	0.11	<0.002	<0.006	<0.006	0.42	<0.005	0.1	2.7E-03	<0.005	0.015
	9/9/2013	200.7/200.8/	5.2E-03	0.1	<0.002	<0.006	<0.006	0.44	<0.005	0.12	0.002	<0.005	<0.01
	8/23/2012	200.7/200.8	4.9E-03	0.091	<0.002	<0.006	<0.006	0.11	<0.005	0.11	0.001	<0.001	<0.01
	10/28/2011	200.7/200.8	4.9E-03	0.11	<0.002	<0.006	<0.006	0.97	<0.005	0.12	<0.001	<0.001	0.035
	7/20/2010	6010B	<0.02	0.076	<0.002	<0.006	<0.006	0.21	<0.005	0.083	<0.05	<0.001	0.054
BW-3C	8/12/2015	200.7/200.8	<0.005	0.031	<0.002	<0.006	<0.006	0.13	<0.0025	0.019	<0.005	<0.0025	<0.01
	9/10/2014	200.7/200.8	1.9E-03	0.046	<0.002	<0.006	<0.006	0.73	<0.005	0.024	<0.001	<0.005	<0.01
	9/9/2013	200.7/200.8	0.002	0.039	<0.002	<0.006	<0.006	0.46	<0.005	0.022	<0.001	<0.005	<0.01
	8/23/2012	200.7/200.8	2.2E-03	0.035	<0.002	<0.006	<0.006	0.031	<0.005	0.017	<0.001	1.4E-03	0.012
	10/28/2011	200.7/200.8	1.7E-03	0.034	<0.002	<0.006	<0.006	<0.02	<0.005	0.014	<0.001	1.3E-03	0.066
	7/20/2010	6010B	<0.02	0.035	<0.002	<0.006	<0.006	0.073	<0.005	0.013	<0.05	0.001	<0.05

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.1.4 BW-1C, BW-3B, BW-3C

Semi Volatile Organic Compound Analytical Result Summary

			Parameters
			Bis(2-ethylhexyl)phthalate (mg/L)
WQCC 20NMAC 6.2.3103			NE
40 CFR 141.62 MCL (NOV 2015)			0.006
NMED TAP WATER (JULY 2015)			0.0556
EPA RSL for Tap Water (NOV 2015)			0.0056
Well ID	DATE SAMPLED	METHOD	
BW-1C	9/10/2014	8270C	<0.01
	9/9/2013	8270C	0.01
BW-3B	9/10/2014	8270C	<0.01
	9/9/2013	8270C	<0.01
	8/23/2012	8270C	<0.01
	10/28/2011	8270C	<0.01
	7/20/2010	8270C	<0.01
	7/6/2009	8270C	0.01¹
BW-3C	9/10/2014	8270C	<0.01
	9/9/2013	8270C	<0.01
	8/23/2012	8270C	<0.01
	10/28/2011	8270C	0.014¹

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Detected for the first time. Possible lab contaminant.

2) Request to remove 8270C Analysis in 2015 approved per NMED Comment 7(b), Approval with Modification, FWGWMWP - 2012 Updates; 2013 Updates; 2014 Updates for 2015.

8.2 MW-1, MW-2, MW-4, MW-5
BTEX Analytical Result Summary

			Parameters				
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.1	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
WELL ID	DATE SAMPLED	METHOD					
MW-1	8/14/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/16/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/9/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/24/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/6/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/16/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
MW-2	8/14/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/16/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/10/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/24/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/10/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
MW-4	8/17/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/17/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/10/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/21/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/12/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/19/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
MW-5	8/14/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/17/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/10/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/23/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/10/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/19/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.2.1 MW-1, MW-2, MW-4, MW-5
General Chemistry Analytical Result Summary

			Parameters							
			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	600.0	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	1.0	10	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	1.97	31.6	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	2	32	NE	NE	NE	NE
WELL ID	DATE SAMPLED	METHOD								
MW-1	8/14/2015	300.0/8015D	0.39	23	<1.0	<1.0	73	<1.0	<0.05	<5.0
	9/16/2014	300.0/8015B	0.69	44	<1.0	<1.0	150	<1.0	<0.05	<5.0
	9/9/2013	300.0/8015B	0.61	44	4.1	4.1	150	<1.0	<0.05	<5.0
	8/24/2012	300.0/8015B	0.67	47	<1.0	<1.0	140	<1.0	<0.05	<5.0
	10/6/2011	300.0/8015B	0.64	47	27	27	160	<1.0	<0.05	<5.0
	7/16/2010	300.0/8015B	NA	NA	NA	NA	NA	<1.0	<0.05	
MW-2	8/14/2015	300.0/8015D	0.54	35	<1.0	<1.0	100	<1.0	<0.05	<5.0
	9/16/2014	300.0/8015B	0.73	51	21	21	150	<1.0	<0.05	<5.0
	9/10/2013	300.0/8015B	0.77	50	<0.1	0.11	150	<1.0	<0.05	<5.0
	8/24/2012	300.0	0.67	49	<1.0	<1.0	150	<1.0	<0.05	<5.0
	10/10/2011	300.0	0.79	52	<1.0	<1.0	160	<1.0	<0.05	<5.0
MW-4	8/17/2015	300.0/8015D	0.29	18	<1.0	<1.0	140	<1.0	<0.05	<5.0
	9/17/2014	300.0/8015B	0.31	18	<1.0	<1.0	140	<1.0	<0.05	<5.0
	9/10/2013	300.0/8015B	0.32	18	<0.1	0.14	150	<1.0	<0.05	<5.0
	8/21/2012	300.0/8015B	0.29	16	<1.0	<1.0	140	<1.0	<0.05	<5.0
	10/12/2011	300.0/8015B	0.35	18	6.8	6.8	150	<1.0	<0.05	<5.0
	7/19/2010	300.0/8015B	NA	NA	NA	NA	NA	<1.0	<0.05	
	3/1/2010 ¹	8015B	NA	NA	NA	NA	NA	<1.0	<0.05	
MW-5	8/14/2015	300.0/8015D	0.72	58	<1.0	<1.0	160	<1.0	<0.05	<5.0
	9/17/2014	300.0/8015B	0.73	56	1.1	1.1	150	<1.0	<0.05	<5.0
	9/10/2013	300.0/8015B	0.76	57	<0.1	0.8	160	<1.0	<0.05	<5.0
	8/23/2012	300.0/8015B	0.67	55	<1.0	<1.0	160	<1.0	<0.05	<5.0
	10/10/2011	300.0/8015B	0.79	59	<1.0	<1.0	170	<1.0	<0.05	<5.0
	7/19/2010	300.0/8015B	NA	NA	NA	NA	NA	<1.0	<0.05	
	3/1/2010 ¹	8015B	NA	NA	NA	NA	NA	<1.0	<0.05	

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) This was part of the 10 year RCRA Post Closure Sampling Event

8.2.2 MW-1, MW-2, MW-4, MW-5
Total Metals Analytical Result Summary

			Parameters										
			Arsenic (mg/L)	Barium (mg/L)	Chromium (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Cyanide (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.05	1.0	0.05	0.2	0.05	0.2	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.1	NE	0.015	NE	0.05	0.2	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00559	13.8	NE	2.02	0.0987	0.00146	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	NE	14	0.015	0.43	0.1	1.5E-02	6.3E-04	0.06	6
WELL ID	DATE SAMPLED	METHOD											
MW-1	8/14/2015	200.7/200.8	1.3E-03	0.013	<0.006	0.048	5.1E-04	3.3E-03	<0.001	<0.01	<0.0002	0.011	<0.01
	9/16/2014	200.7/200.8	1.1E-03	0.012	<0.006	0.11	1.7E-03	0.012	<0.001	<0.01	<0.0002	0.012	<0.01
	9/9/2013	200.7/200.8	1.4E-03	0.011	<0.006	<0.02	<0.001	<0.002	<0.001	4.07E-02	<0.0002	0.011	<0.01
	8/24/2012	200.7/200.8	<0.0025	0.014	<0.006	0.078	<0.005	7.1E-03	<0.0025	NA	<0.0002	0.011	<0.01
	10/6/2011	200.7/200.8	<0.0025	0.012	<0.006	0.12	<0.005	0.01	<0.0025	NA	<0.0002	0.011	<0.01
	7/16/2010	6010B	1.46E-03	<0.02	<0.006	NL	<0.005	NL	<0.001	<0.01	<0.0002	NL	<0.02
	3/1/10 ¹	6010B	<0.005	<0.02	<0.006	NL	<0.005	NL	<0.005	<0.01	<0.0002	NL	<0.02
MW-2	8/14/2015	200.7/200.8	<0.001	0.02	<0.006	0.023	<0.0005	3.5E-03	<0.001	<0.01	<0.0002	9.4E-03	<0.01
	9/16/2014	200.7/200.8	<0.001	0.019	<0.006	<0.02	<0.001	3.1E-03	<0.001	<0.01	<0.0002	9.5E-03	<0.01
	9/10/2013	200.7/200.8	0.001	0.02	<0.006	<0.02	<0.001	0.006	<0.001	<0.01	<0.0002	9.7E-03	<0.01
	8/24/2012	200.7/200.8	<0.0025	0.021	<0.006	0.022	<0.005	7.2E-03	<0.0025	NA	<0.0002	9.7E-03	<0.01
	10/10/2011	200.7/200.8	<0.0025	0.02	<0.006	<0.02	<0.005	0.008	<0.0025	NA	<0.0002	9.6E-03	<0.01
	3/1/10 ¹	6010B	<0.005	<0.02	<0.006	NL	<0.005	NL	<0.005	<0.01	<0.0002	NL	<0.02
MW-4	8/17/2015	200.7/200.8	<0.001	0.02	<0.006	<0.02	<0.0005	5.2E-03	<0.001	<0.01	<0.0002	0.016	<0.01
	9/17/2014	200.7/200.8	<0.001	0.022	<0.006	<0.02	<0.001	6.1E-03	<0.001	<0.01	<0.0002	0.018	<0.01
	9/10/2013	200.7/200.8	<0.001	0.021	<0.006	<0.02	<0.001	5.8E-03	<0.001	<0.01	<0.0002	0.018	<0.01
	8/21/2012	200.7/200.8	<0.0025	0.02	<0.006	<0.02	<0.005	3.4E-03	<0.0025	NA	<0.0002	0.018	<0.01
	10/12/2011	200.7/200.8	<0.0025	0.022	<0.006	<0.02	<0.005	6.9E-03	<0.0025	NA	<0.0002	0.018	<0.01
	7/19/2010	6010B	1.17E-03	<0.02	<0.006	NL	<0.005	NL	<0.001	<0.01	<0.0002	NL	<0.02
	3/1/10 ¹	6010B	<0.005	0.023	<0.006	NL	<0.005	NL	<0.005	<0.01	<0.0002	NL	<0.02
MW-5	8/14/2015	200.7/200.8	<0.001	0.09	<0.006	<0.02	<0.0005	3.1E-03	<0.001	<0.01	<0.0002	9.3E-03	<0.01
	9/17/2014	200.7/200.8	0.001	0.019	<0.006	<0.02	<0.001	4.6E-03	<0.001	<0.01	<0.0002	9.8E-03	<0.01
	9/10/2013	200.7/200.8	<0.001	0.04	<0.006	<0.02	<0.001	3.5E-03	<0.001	<0.01	<0.0002	9.6E-03	<0.01
	8/23/2012	200.7/200.8	<0.0025	0.026	<0.006	<0.02	<0.005	0.012	<0.0025	NA	<0.0002	9.5E-03	<0.01
	10/10/2011	200.7/200.8	<0.0025	0.024	<0.006	<0.02	<0.005	4.3E-03	<0.0025	NA	<0.0002	9.7E-03	<0.01
	7/19/2010	6010B	1.36E-03	<0.02	<0.006	NL	<0.005	NL	<0.001	<0.01	<0.0002	NL	<0.02
	3/1/10 ¹	6010B	<0.005	0.024	<0.006	NL	<0.005	NL	<0.005	<0.01	<0.0002	NL	<0.02

DEFINITIONS

NE = Not established

NA = Not analyzed

NL = Not listed on laboratory analysis

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) This was part of the 10 year RCRA Post Closure Sampling Event.

8.2.3 MW-1, MW-2, MW-4, MW-5
Dissolved Metals Analytical Result Summary

			Parameters										
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	NE	0.1	1.3	NE	0.015	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.3	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.06	6
WELL ID	DATE SAMPLED	METHOD											
MW-1	8/14/2015	200.7/200.8	<0.01	0.011	<0.002	<0.006	<0.006	<0.02	<0.0025	<0.002	<0.01	0.011	<0.01
	9/16/2014	200.7/200.8	1.2E-03	9.5E-03	<0.002	<0.006	<0.006	<0.02	<0.001	2.7E-03	<0.001	0.011	0.014
	9/9/2013	200.7/200.8	1.6E-03	0.012	<0.002	<0.006	<0.006	<0.02	<0.001	<0.002	<0.001	0.012	<0.01
	8/24/2012	200.7/200.8	1.3E-03	0.012	<0.002	<0.006	<0.006	<0.02	<0.005	<0.002	<0.001	0.011	<0.01
	10/6/2011	200.7/200.8	0.002	0.01	<0.002	<0.006	<0.006	<0.02	<0.005	<0.002	<0.001	0.011	0.11
MW-2	8/14/2015	200.7/200.8	<0.01	0.017	<0.002	<0.006	<0.006	<0.02	<0.0025	2.1E-03	<0.01	9.1E-03	<0.01
	9/16/2014	200.7/200.8	1.2E-03	0.017	<0.002	<0.006	<0.006	<0.02	<0.001	2.6E-03	<0.001	9.3E-03	0.026
	9/10/2013	200.7/200.8	<0.001	0.02	<0.002	<0.006	<0.006	<0.02	<0.001	5.1E-03	<0.001	9.5E-03	<0.01
	8/24/2012	200.7/200.8	<0.001	0.018	<0.002	<0.006	<0.006	<0.02	<0.005	0.003	<0.001	0.009	0.019
	10/10/2011	200.7/200.8	<0.001	0.019	<0.002	<0.006	<0.006	<0.02	<0.005	0.007	<0.001	9.3E-03	<0.01
MW-4	8/17/2015	200.7/200.8	<0.01	0.021	<0.002	<0.006	<0.006	<0.02	<0.0025	5.1E-03	<0.01	0.016	0.036
	9/17/2014	200.7/200.8	<0.001	0.018	<0.002	<0.006	<0.006	<0.02	<0.001	5.7E-03	<0.001	0.017	<0.01
	9/10/2013	200.7/200.8	<0.001	0.022	<0.002	<0.006	<0.006	<0.02	<0.001	5.7E-03	<0.001	0.018	0.017
	8/21/2012	200.7/200.8	<0.001	0.019	<0.002	<0.006	<0.006	<0.02	<0.005	3.1E-03	<0.001	0.016	0.033
	10/12/2011	200.7/200.8	<0.001	0.021	<0.002	<0.006	<0.006	<0.02	<0.005	5.8E-03	<0.001	0.017	0.1
MW-5	8/14/2015	200.7/200.8	<0.01	0.017	<0.002	<0.006	<0.006	<0.02	<0.0025	3.2E-03	<0.01	9.1E-03	<0.01
	9/17/2014	200.7/200.8	1.2E-03	0.015	<0.002	<0.006	<0.006	<0.02	<0.001	4.5E-03	<0.001	9.4E-03	0.025
	9/10/2013	200.7/200.8	0.001	0.018	<0.002	<0.006	<0.006	<0.02	<0.001	3.4E-03	<0.001	0.01	0.012
	8/23/2012	200.7/200.8	<0.001	0.016	<0.002	<0.006	<0.006	<0.02	<0.005	2.9E-03	<0.001	9.1E-03	<0.01
	10/10/2011	200.7/200.8	1.1E-03	0.016	<0.002	<0.006	<0.006	<0.02	<0.005	4.4E-03	<0.001	9.5E-03	0.12

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.2.4 MW-1, MW-2, MW-4, MW-5

Volatile and Semi-Volatile Organic Compound Analytical Result Summary

			Parameters		
			Acetone (mg/L)	Diethyl phthalate (mg/L)	Bis (2-ethylhexyl) phthalate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	0.006
NMED TAP WATER (JULY 2015)			14.1	14.8	0.00556
EPA RSL for Tap Water (NOV 2015)			14	15	0.0056
WELL ID	DATE SAMPLED	METHOD			
MW-1	8/14/2015	8260/8270C	<0.01	<0.01	<0.01
	9/16/2014	8260/8270C	<0.01	<0.01	<0.01
	9/9/2013	8260/8270C	<0.01	<0.01	<0.01
	8/24/2012	8260/8270C	<0.01	<0.01	<0.01
	10/6/2011	8260B	<0.01	NL	NL
	7/16/2010	8260/8270C	<0.01	1.03E-03	<0.005
	3/1/2010 ¹	8260/8270C	<0.0025	NL	<0.005
MW-2	8/14/2015	8260/8270C	<0.01	<0.01	<0.01
	9/16/2014	8260/8270C	<0.01	<0.01	<0.01
	9/10/2013	8260/8270C	<0.01	<0.01	<0.01
	8/24/2012	8260/8270C	<0.01	<0.01	<0.01
	10/10/2011	8260B	<0.01	NL	NL
	3/1/2010 ¹	8260/8270C	2.73E-03	<0.01	<0.005
MW-4	8/17/2015	8260/8270C	<0.01	<0.01	<0.01
	9/17/2014	8260/8270C	<0.01	<0.01	<0.01
	9/10/2013	8260/8270C	<0.01	<0.01	<0.01
	8/21/2012	8260/8270C	<0.01	<0.01	<0.01
	10/12/2011	8260B	<0.01	NL	NL
	3/1/2010 ¹	8260/8270C	<0.0025	<0.01	<0.005
	7/19/2010	8260/8270C	<0.01	<0.01	<0.005
MW-5	8/14/2015	8260/8270C	<0.01	<0.01	<0.01
	9/17/2014	8260/8270C	<0.01	<0.01	<0.01
	9/10/2013	8260/8270C	<0.01	<0.01	<0.01
	8/23/2012	8260/8270C	<0.01	<0.01	<0.01
	10/10/2011	8260B	<0.01	NL	NL
	3/1/2010 ¹	8260/8270C	3.36E-03	NL	<0.005
	7/19/2010	8260/8270C	<0.01	<0.01	<0.005

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) This was part of the 10 year RCRA Post Closure Sampling Event

8.3 SMW-2, SMW-4
BTEX Analytical Result Summary

			Parameters				
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
WELL ID	DATE SAMPLED	METHOD					
SMW-2	8/17/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.011
	9/11/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.012
	8/23/2012	8260B	<0.01	<0.01	<0.01	<0.015	0.012
	10/12/2011	8260B	<0.001	<0.001	<0.001	<0.0015	7.9E-03
	7/16/2010	8260B	<0.001	<0.001	<0.001	<0.0015	8.8E-03
SMW-4	8/14/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/11/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/9/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/24/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/10/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/16/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.3.1 SMW-2, SMW-4

General Chemistry and DRO/GRO Analytical Result Summary

			Parameters							
			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	600.0	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	1.0	10	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.2	NE	1.97	31.6	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	2	32	NE	NE	NE	NE
WELL ID	DATE SAMPLED	METHOD								
SMW-2	8/17/2015	300.0	<2.0	3000	<4.0	<4.0	1600	<1.0	0.78	<5.0
	9/11/2014	300.0	<2.0	2500	<2.0	<2.0	1400	<1.0	0.23	<5.0
	9/9/2013	300.0	<0.1	2500	<4.0	<4.0	1500	<1.0	0.15	<5.0
	8/23/2012	300.0	0.16	2400	<2.0	<2.0	1600	<1.0	0.28	<5.0
	10/12/2011	300.0	0.22	2600	<10	<10	1600	<1.0	0.36	<5.0
	7/16/2010	300.0	NA	NA	NA	NA	NA	<1.0	<0.05	
SMW-4	8/14/2015	300.0	1.0	55	<1.0	<1.0	160	<1.0	<0.05	<5.0
	9/11/2014	300.0	1.1	53	<1.0	<1.0	150	<1.0	<0.05	<5.0
	9/9/2013	300.0	0.93	59	<1.0	<1.0	170	<1.0	<0.05	<5.0
	8/24/2012	300.0	1.0	58	<1.0	<1.0	150	<1.0	<0.05	<5.0
	10/10/2011	300.0	1.1	58	1.3	1.3	170	<1.0	<0.05	<5.0
	7/16/2010	300.0	NA	NA	NA	NA	NA	<1.0	<0.05	
	3/1/2010 ¹	8015B	NA	NA	NA	NA	NA	<1.0	<0.05	

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) This was part of the 10 year RCRA Post Closure sampling event

8.3.2 SMW-2, SMW-4

Total Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Cyanide (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.2	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.2	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.00146	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	9.2E-03	NE	0.8	14	0.015	0.43	0.1	1.5E-02	6.3E-04	0.06	6
WELL ID	DATE SAMPLED	METHOD													
SMW-2	8/17/2015	200.7/200.8	<0.01	0.018	<0.002	0.0071	<0.006	0.26	<0.005	0.33	<0.01	0.045	<0.0002	0.12	<0.01
	9/11/2014	200.7/200.8	<0.01	0.013	<0.002	<0.006	<0.006	0.052	<0.001	0.28	0.019	0.0456	<0.0002	0.11	<0.01
	9/9/2013	200.7/200.8	<0.01	0.028	<0.002	0.029	<0.006	0.66	<0.01	0.27	<0.01	0.0406	<0.0002	0.11	0.011
	8/23/2012	200.7/200.8	0.005	0.038	<0.002	0.17	<0.006	1.5	<0.005	0.25	7.2E-03	NL	<0.0002	0.11	0.021
	10/12/2011	200.7/200.8	5.2E-03	0.031	<0.002	0.11	<0.006	0.68	<0.005	0.16	0.011	NL	<0.0002	0.12	<0.01
	7/16/2010	6010B	3.5E-03	0.022	<0.002	0.093	NL	NL	<0.005	NL	<0.001	5.25E-02	<0.0002	NL	<0.02
SMW-4	8/14/2015	200.7/200.8	3.0E-03	0.028	<0.002	7.8E-03	<0.006	0.32	5.3E-04	0.01	<0.001	<0.01	<0.0002	0.036	<0.01
	9/11/2014	200.7/200.8	3.4E-03	0.024	<0.002	<0.006	<0.006	0.35	<0.001	0.012	1.3E-03	<0.01	<0.0002	0.037	<0.01
	9/9/2013	200.7/200.8	2.5E-03	0.021	<0.002	0.025	<0.006	0.15	<0.001	0.005	<0.001	<0.01	<0.0002	0.031	0.012
	8/24/2012	200.7/200.8	3.3E-03	0.019	<0.002	<0.006	<0.006	0.13	<0.005	4.6E-03	<0.0025	NA	<0.0002	0.033	<0.01
	10/10/2011	200.7/200.8	2.9E-03	0.037	<0.002	0.058	<0.006	0.94	<0.005	0.029	<0.0025	NL	<0.0002	0.037	0.012
	7/16/2010	6010B	3.33E-03	0.027	<0.002	<0.006	NL	NL	<0.005	NL	<0.001	<0.01	<0.0002	NL	<0.02
	3/1/10 ¹	6010B	<0.005	0.035	<0.002	8.2E-03	NL	NL	<0.005	NL	<0.005	<0.01	<0.0002	NL	<0.02

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) This was part of the 10 year RCRA Post Closure sampling event

8.3.3 SMW-2, SMW-4

Dissolved Metals Analytical Result Summary

			Parameters										
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.000624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	9.20E-03	NE	0.8	14	0.015	0.43	0.1	0.06	6
WELL ID	DATE SAMPLED	METHOD											
SMW-2	8/17/2015	200.7/200.8	<0.01	0.015	<0.002	<0.006	<0.006	0.022	<0.0025	0.31	<0.01	0.12	0.024
	9/11/2014	200.7/200.8	<0.01	0.015	<0.002	<0.006	<0.006	0.049	<0.02	0.27	0.021	0.11	<0.01
	9/9/2013	200.7/200.8	5.5E-03	0.016	<0.002	<0.006	<0.006	0.028	<0.01	0.17	0.011	0.1	0.014
	8/23/2012	200.7/200.8	<0.005	0.016	<0.002	<0.006	<0.006	0.042	<0.005	0.22	7.2E-03	0.1	0.029
	10/12/2011	200.7/200.8	6.4E-03	0.016	<0.002	<0.006	<0.006	<0.1	<0.005	0.24	0.015	0.11	0.11
	7/16/2010	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SMW-4	8/14/2015	200.7/200.8	<0.01	0.02	<0.002	<0.006	<0.006	<0.02	<0.0025	<0.002	<0.01	0.035	<0.01
	9/11/2014	200.7/200.8	3.3E-03	0.021	<0.002	<0.006	<0.006	0.041	<0.01	3.3E-03	1.3E-03	0.033	<0.01
	9/9/2013	200.7/200.8	2.6E-03	0.021	<0.002	0.012	<0.006	<0.02	<0.001	<0.002	<0.001	0.031	<0.01
	8/24/2012	200.7/200.8	2.8E-03	0.016	<0.002	<0.006	<0.006	<0.02	<0.005	<0.002	<0.001	0.03	<0.01
	10/10/2011	200.7/200.8	0.003	0.02	<0.002	9.2E-03	<0.006	0.035	<0.005	4.1E-03	1.1E-03	0.032	0.13
	7/16/2010	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/1/10 ¹	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) This was part of the 10 year RCRA Post Closure sampling event

8.3.4 SMW-2, SMW-4

Volatile and Semi Volatile Organic Compound Analytical Result Summary

			Parameters					
			Acetone (mg/L)	bis(2-Ethylhexyl) phthalate (mg/L)	Diethylphthalate (mg/L)	Phenol (mg/L)	1,4-Dioxane (mg/L)	Benzenethiol (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	0.005	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	0.006	NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			14.1	0.0556	14.8	5.76	0.00776	NE
EPA RSL for Tap Water (NOV 2015)			14	5.6E-03	15	5.8	4.6E-04	0.017
WELL ID	DATE SAMPLED	METHOD						
SMW-2	8/17/2015	8260B/8270C	<0.01	<0.01	<0.01	<0.01	NL	NL
	9/11/2014	8260B/8270C	<0.01	<0.011	<0.011	<0.11	NL	NL
	9/9/2013	8260B/8270C	<0.01	<0.01	<0.01	<0.01	NL	NL
	8/23/2012	8260B/8270C	<0.1	<0.01	<0.01	<0.01	NL	NL
	10/12/2011	8260B	<0.01	NA	NA	NA	NA	NA
	7/16/2010	8260B/8270C	<0.01	<0.0001	1.89E-03	<0.001	NL	<0.0005
SMW-4	8/14/2015	8260B/8270C	<0.01	<0.01	<0.01	<0.01	NL	NL
	9/11/2014	8260B/8270C	<0.01	<0.01	<0.01	<0.01	NL	NL
	9/9/2013	8260B/8270C	<0.01	<0.01	<0.01	<0.01	NL	NL
	8/24/2012	8260B/8270C	<0.01	<0.01	<0.01	<0.01	NL	NL
	10/10/2011	8260B	<0.01	NA	NA	NA	NA	NA
	7/16/2010	8260B/8270C	<0.01	<0.0001	<0.0001	<0.001	NL	<0.0005
	3/1/2010 ¹	8260B/8270C	<0.0025	<0.005	<0.01	<0.01	<0.005	<0.005

DEFINITIONS

NE = Not established

NA = Not analyzed

NL = Not listed on laboratory analysis.

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) This was part of the 10 year RCRA Post Closure Sampling requirement, Total Recoverable Metals Analysis

8.4 GWM-1, GWM-2, GWM-3
BTEX Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED TAP WATER (JULY 2015)			0.00454	1.1	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.5E-04	0.11	1.5E-03	0.019	0.014
Well ID	DATE SAMPLED	METHOD					
GWM-1	10/29/2015	8260B	NO SAMPLES COLLECTED - HAS AN SPH LEVEL				
	8/24/2015	8260B	8.5E-03	0.033	0.011	0.11	0.04
	6/2/2015	8021B	0.012	3.3E-03	5.6E-03	0.024	0.051
	3/10/2015	8021B	0.011	2.2E-03	5.1E-03	0.021	0.049
	11/13/2014	8260B	0.012	<0.005	5.7E-03	0.023	0.05
	9/12/2014	8260B	0.01	3.1E-03	4.0E-03	0.016	0.041
	6/5/2014	8260B	0.011	2.1E-03	4.8E-03	0.019	0.051
	3/11/2014	8260B	8.8E-03	2.2E-03	3.7E-03	0.015	0.039
	11/11/2013	8260B	0.008	2.3E-03	3.8E-03	0.014	0.039
	9/3/2013	8260B	0.008	<0.005	<0.005	0.016	0.035
	6/12/2013	8260B	7.7E-03	4.8E-03	3.9E-03	0.018	0.04
	3/18/2013	8260B	9.8E-03	<0.005	<0.005	0.018	0.043
	11/28/2012	8260B	<0.01	<0.01	<0.01	<0.015	0.052
	8/21/2012	8260B	7.8E-03	2.4E-03	3.5E-03	0.015	0.044
	6/12/2012	8260B	5.3E-03	1.4E-03	2.5E-03	9.4E-03	0.04
	3/20/2012	8260B	5.7E-03	<0.001	1.9E-03	0.007	0.054
	12/14/2011	8260B	8.5E-03	1.9E-03	4.2E-03	0.014	0.054
	9/26/2011	8260B	9.6E-03	5.2E-03	5.9E-03	0.03	0.051
	6/15/2011	8260B	7.4E-03	2.7E-03	5.3E-03	0.026	0.047
	2/16/2011	8260B	9.5E-03	3.4E-03	5.4E-03	0.023	0.057
	11/2/2010	8260B	6.9E-03	2.3E-03	3.5E-03	0.022	0.062
	9/16/2010	8260B	7.5E-03	4.9E-03	6.7E-03	0.03	0.053
	7/20/2010	8260B	0.008	0.002	6.8E-03	0.03	0.077
	3/3/2010 ²	8260B	0.012	0.005	0.011	0.05	0.078
GWM-2	2015 - 2014		Dry				
	11/11/2013		Not enough water for sampling				
	9/3/2013	8260B	<0.001	<0.001	<0.001	<0.0015	2.3E-03
	6/12/2013	8260B	<0.001	<0.001	<0.001	<0.0015	2.6E-03
	3/18/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.002
	11/28/2012	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	8/21/2012	8260B	<0.001	<0.001	<0.001	<0.0015	2.6E-03
	6/12/2012	8021B	<0.005	<0.005	<0.005	<0.01	<0.012
	3/20/2012	8021B	<0.005	<0.005	<0.005	<0.01	<0.012
	12/14/2011	8021B	<0.001	<0.001	<0.001	<0.001	2.7E-03
	9/26/2011	8021B	<0.001	<0.001	<0.001	<0.002	2.6E-03
	6/15/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.003
	2/16/2011	8260B	<0.001	<0.001	<0.001	<0.0015	8.3E-03
	10/4/2010	8260B	<0.001	<0.001	<0.001	<0.003	0.011
	9/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	0.011
GWM-3	2015 - 2013		No samples - Dry				

8.4 GWM-1, GWM-2, GWM-3
BTEX Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED TAP WATER (JULY 2015)			0.00454	1.1	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.5E-04	0.11	1.5E-03	0.019	0.014
Well ID	DATE SAMPLED	METHOD					
	11/28/2012	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	8/21/2012	8260B	<0.001	<0.001	<0.001	<0.0015	1.5E-03
	6/12/2012	8021B	<0.005	<0.005	<0.005	<0.01	<0.012
	3/20/2012	8021B	<0.005	<0.005	<0.005	<0.01	<0.012
	12/14/2011	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	9/26/2011	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	6/15/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.002
	2/16/2011	8260B	<0.001	<0.001	<0.001	<0.0015	8.1E-03
	10/4/2010	8260B	<0.001	<0.001	<0.001	<0.003	9.2E-03
	9/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	0.009

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.4.1 GWM-1, GWM-2, GWM-3

General Chemistry and DRO/GRO Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	1.0	10	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	1.97	31.6	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.08	NE	0.2	3.2	NE	NE	NE
Well ID	DATE SAMPLED	METHOD							
GWM-1	10/29/2015		NO SAMPLES COLLECTED - HAS AN SPH LEVEL						
	9/23/2015 ¹	8015D	NA	NA	NA	NA	68	<2.5	18
	8/24/2015	300.0/8015D	2.6	1100	<1.0	<1.0	250	1.2	<50
	6/2/2015	300.0/8015D	2.7	1100	<2.0	<2.0	1.7	NA	<5.0
	3/10/2015	300.0/8015D	2.2	1000	<0.5	<0.5	2.4	0.49	<5.0
	11/13/2014	300.0/8015B	1.8	1000	<1.0	<1.0	2.3	0.5	<5.0
	9/12/2014	300.0/8015B	2.4	910	<1.0	<1.0	2.1	0.51	<5.0
	6/5/2014	300.0/8015B	2.2	890	<1.0	<1.0	3.4	0.56	<5.0
	3/11/2014	300.0/8015B	2.6	930	<1.0	<1.0	3.3	0.66	<5.0
	11/11/2013	300.0/8015B	2.3	1000	4.1	4.1	7.1	0.49	NA
	9/3/2013	300.0/8015B	3.1	960	35	35	2.3	0.49	<5.0
	6/12/2013	300.0/8015B	2.7	940	<1.0	<1.0	3.9	0.66	<5.0
	3/18/2013	300.0/8015B	2.7	1000	<1.0	<1.0	5.3	0.57	<5.0
	11/28/2012	300.0/8015B	3.2	1000	<0.5	<0.5	1.6	1.1	<5.0
	8/21/2012	300.0/8015B	3.0	1200	<0.5	<0.5	<1.0	1.2	<5.0
	6/12/2012	300.0/8015B	3.4	1300	<0.5	<0.5	<1.0	1.2	<5.0
	3/20/2012	300.0/8015B	3.6	1200	<0.5	<0.5	3.5	1.0	<5.0
	12/14/2011	300.0/8015B	1.2	1300	<1.0	<1.0	2.9	0.81	<5.0
	9/26/2011	300.0/8015B	3.5	1300	<4.0	<4.0	3.9	0.65	<5.0
	6/15/2011	300.0/8015B	2.6	1200	<2.0	<2.0	4.0	0.53	<5.0
	2/16/2011	300.0/8015B	2.8	1400	2.1	2.1	5.4	0.7	<5.0
	11/2/2010	300.0/8015B	3.5	1300	<1.0	<1.0	6.0	0.68	
	9/16/2010	300.0/8015B	2.9	1400	<4.0	<4.0	7.7	0.71	
	7/20/2010	300.0	2.9	1500	<4.0	<4.0	NA	NA	
	3/3/2010	300.0/8015B	2.1	1600	<4.0	<4.0	3.9	0.88	
GWM-2	2015 - 2014		No Samples - DRY						
	11/11/2013		Not enough water for sampling						
	9/3/2013	300.0/8015B	0.84	990	44	44	<1.0	<0.05	<5.0
	6/12/2013	300.0/8015B	<1.0	960	<1.0	<1.0	<1.0	<0.05	<5.0
	3/18/2013	300.0/8015B	1.6	1100	<2.0	<2.0	<1.0	0.052	<5.0
	11/28/2012	300.0/8015B	3.8	1000	<0.5	15	<1.0	<0.5	<5.0

8.4.1 GWM-1, GWM-2, GWM-3

General Chemistry and DRO/GRO Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	1.0	10	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	1.97	31.6	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.08	NE	0.2	3.2	NE	NE	NE
Well ID	DATE SAMPLED	METHOD							
GWM-2	8/21/2012	300.0/8015B	2.8	1200	<0.5	14	<1.0	<0.25	<5.0
	6/12/2012	300.0/8015B	3.5	1200	<0.5	24	<1.0	<0.25	<5.0
	3/20/2012	300.0/8015B	3.6	1500	<0.5	38	2.4	<0.25	<5.0
	12/14/2011	300.0/8015B	0.48	2100	25	25	<1.0	<0.05	<5.0
	9/26/2011	300.0/8015B	1.6	2200	52	52	<1.0	<0.05	<5.0
	6/15/2011	300.0/8015B	3.1	2200	66	66	<1.0	<0.05	<5.0
	2/16/2011	300.0/8015B	0.43	910	2.6	2.6	<1.0	<0.05	
	10/4/2010	300.0/8015B	0.52	1800	<4.0	<4.0	<1.0	<0.05	
	9/16/2010	300.0/8015B	0.46	1400	<4.0	<4.0	<1.0	<0.05	
	2015-2013		No Samples - DRY						
GWM-3	11/28/2012	300.0/8015B	5.6	1200	<0.5	8.8	<1.0	0.088	<5.0
	8/21/2012	300.0/8015B	4.9	1200	<0.5	43	<1.0	<0.25	<5.0
	6/12/2012	300.0/8015B	4.4	1400	<0.5	6.2	<1.0	<0.25	<5.0
	3/20/2012	300.0/8015B	4.9	1300	<0.5	18	2.7	<0.25	<5.0
	12/14/2011	300.0/8015B	5.0	1400	51	51	1.3	<0.05	<5.0
	9/26/2011	300.0/8015B	5.3	1000	130	130	2.7	<0.05	<5.0
	6/15/2011	300.0/8015B	5.5	610	<2.0	<2.0	1.1	0.12	<5.0
	2/16/2011	300.0/8015B	4.2	1100	61	61	<1.0	<0.05	<5.0
	10/4/2010	300.0/8015B	5.9	1800	61	61	1.3	0.12	
	9/16/2010	300.0/8015B	4.7	2000	66	66	3.7	0.066	

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Oil sample collected from GWM-1 - sampled for DRO/GRO/MRO only.

8.4.2 GWM-1, GWM-2, GWM-3

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.00513	3.28	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	NE	0.08	1.4	0.015	NE	0.01	6.30E-05	0.006	0.6
Well ID	DATE SAMPLED	METHOD											
GWM-1	10/29/2015	200.7/200.8	NO SAMPLES COLLECTED - HAS AN SPH LEVEL										
	8/24/2015	200.7/200.8	0.27	0.47	<0.006	<0.006	12	7.7E-03	2.1	0.011	<0.0002	0.015	0.025
	6/2/2015	200.7/200.8	0.11	0.43	7.2E-03	<0.006	11	7.9E-03	2.0	<0.02	<0.0002	0.016	0.022
	3/10/2015	200.7/200.8	0.13	0.49	<0.006	<0.006	12	0.0055	2.4	<0.02	<0.0002	0.016	0.02
	11/13/2014	200.7/200.8	0.16	0.51	<0.006	8.2E-03	17	0.013	2.2	<0.05	<0.0002	0.015	0.027
	9/12/2014	200.7/200.8	0.14	0.67	<0.006	<0.006	13	4.2E-03	2.6	0.019	<0.0002	0.015	0.018
	6/5/2014	200.7/200.8	0.13	0.54	<0.006	<0.006	13	0.008	2.5	0.019	<0.0002	0.012	0.021
	3/11/2014	200.7/200.8	0.12	0.49	<0.006	<0.006	14	6.2E-03	2.5	0.015	<0.0002	0.015	0.018
	11/11/2013	200.7/200.8	0.13	0.51	<0.006	0.015	17	0.017	2.2	0.014	<0.0002	0.015	0.038
	9/3/2013	200.7/200.8	0.12	0.85	<0.006	<0.006	15	4.1E-03	2.8	0.01	<0.0002	0.01	0.024
	6/12/2013	200.7/200.8	0.15	0.93	<0.006	<0.006	11	NL	3.1	0.013	<0.0002	7.3E-03	0.019
	3/18/2013	200.7/200.8	0.12	0.88	<0.006	<0.006	8.0	5.9E-03	2.9	3.9E-03	<0.0002	5.5E-03	0.012
	11/28/2012	200.7/200.8	0.092	0.73	<0.006	0.021	10	0.012	2.7	4.9E-03	<0.0002	0.016	0.021
	8/21/2012	200.7/200.8	0.09	1.1	<0.006	9.1E-03	9.8	5.6E-03	3.1	7.5E-03	<0.0002	5.2E-03	0.019
	6/12/2012	200.7/200.8	0.066	0.84	<0.006	<0.006	8.7	0.011	2.7	9.3E-03	<0.001	0.011	0.019
	3/20/2012	200.7/200.8	0.073	1.1	<0.006	<0.006	8.9	5.8E-03	3.0	0.01	<0.001	6.9E-03	0.016
	12/14/2011	200.7/200.8	0.097	0.67	<0.006	0.029	15	0.023	2.5	4.7E-03	<0.0002	0.02	0.041
	9/26/2011	200.7/200.8	0.12	1.5	<0.006	<0.006	17	<0.005	2.8	8.2E-03	<0.0002	0.007	0.025
	6/15/2011	200.7/200.8	0.14	1.5	<0.006	<0.006	17	0.01	2.8	0.015	<0.0002	8.4E-03	0.026
	2/16/2011	200.7/200.8	0.16	0.94	8.9E-03	8.9E-03	17	9.8E-03	3.0	0.02	<0.0002	0.015	0.038
	11/2/2010	6010B	0.14	1.4	<0.006	<0.006	7.9	9.5E-03	3.0	<0.05	<0.0002	0.009	0.025
	9/16/2010	6010B	0.12	0.87	<0.006	9.8E-03	15	0.012	2.9	<0.05	<0.0002	0.015	0.023
	7/20/2010	6010B	0.16	1.2	<0.006	0.019	20	0.011	3.0	<0.05	<0.0002	0.011	0.031
	3/3/2010	6010B	0.098	0.42	<0.006	7.2E-03	15	7.8E-03	3.0	<0.05	<0.0002	2.24E-02	0.03
GWM-2	2015 - 2014		No Samples - DRY										
	11/11/2013		Not enough water for sampling										
	9/3/2013	200.7/200.8	7.6E-03	0.059	<0.006	0.016	0.87	9.4E-03	1.1	1.4E-02	<0.0002	0.16	0.026
	6/12/2013	200.7/200.8	<0.01	0.068	<0.006	0.012	1.6	NA	1.1	0.019	<0.0002	0.17	0.021
	8/21/2012	200.7/200.8	6.6E-03	0.04	<0.006	0.045	0.44	7.1E-03	0.45	9.9E-03	<0.0002	0.12	0.025
GWM-3	2015-2013		No Samples - DRY										
	8/21/2012	200.7/200.8	3.3E-03	0.04	<0.006	0.22	1.7	0.07	1.0	9.2E-03	<0.0002	0.067	0.47

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.4.3 GWM-1, GWM-2, GWM-3
Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	NE	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	NE	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-04	NE	0.08	1.4	0.015	NE	0.01	NE	0.006	0.6
Well ID	DATE SAMPLED	METHOD												
GWM-1	10/29/2015	200.7/200.8	NO SAMPLES COLLECTED - HAS AN SPH LEVEL											
	8/24/2015	200.7/200.8	0.14	0.44	<0.002	<0.006	<0.006	9.2	0.0041	2	0.011	1100	0.015	0.026
	6/2/2015	200.7/200.8	0.11	0.38	<0.002	0.008	<0.006	11	<0.01	1.9	0.011	1100	0.015	0.027
	3/10/2015	200.7/200.8	0.12	0.56	<0.002	<0.006	<0.006	9.8	<0.005	2.3	<0.02	1100	0.011	0.021
	11/11/2013	200.7/200.8	0.14	0.45	<0.002	<0.006	<0.006	15	<0.01	2.3	<0.01	1100	0.014	0.029
	9/12/2014	200.7/200.8	0.13	0.78	<0.002	<0.006	<0.006	11	2.6E-03	2.4	0.02	1100	0.015	0.023
	6/5/2014	200.7/200.8	0.13	0.56	<0.002	<0.006	<0.006	12	<0.005	2.6	0.018	NL	0.011	0.065
	3/11/2013	200.7/200.8	0.081	0.47	<0.002	<0.006	<0.006	2.4	<0.001	2.5	<0.01	NL	0.015	0.021
	11/11/2013	200.7/200.8	0.11	0.51	<0.002	<0.006	<0.006	11	3.7E-03	2.2	0.015	1200	0.014	0.11
	9/3/2013	200.7/200.8	0.12	0.83	<0.002	<0.006	<0.006	13	<0.005	2.7	0.013	1100	0.011	0.1
	6/12/2013	200.7/200.8	0.12	0.87	<0.002	<0.006	<0.006	8.1	2.4E-03	3.2	0.02	1000	6.8E-03	0.017
	3/18/2013	200.7/200.8	0.11	0.83	<0.002	<0.006	<0.006	6.0	0.006	2.8	<0.005	860	0.005	0.013
	11/28/2012	200.7/200.8	0.084	0.83	<0.002	<0.006	<0.006	8.7	3.7E-03	2.9	5.5E-03	1000	0.019	0.11
	8/21/2012	200.7/200.8	0.082	1.1	<0.002	<0.006	<0.006	6.8	<0.005	3.1	7.6E-03	990	3.8E-03	0.03
	6/12/2012	200.7/200.8	0.054	1.1	<0.002	<0.006	<0.006	4.0	<0.005	2.9	9.9E-03	980	5.5E-03	0.016
	3/20/2012	200.7/200.8	0.073	0.97	<0.002	<0.006	<0.006	9.4	5.2E-03	3.0	9.6E-03	1100	0.006	0.067
	12/14/2011	200.7/200.8	0.088	0.52	<0.01	<0.03	<0.03	11	<0.025	2.3	6.7E-03	1200	0.02	<0.05
	9/26/2011	200.7/200.8	0.12	1.3	<0.002	<0.006	<0.006	14	<0.005	2.7	0.012	1200	8.1E-03	0.028
	6/15/2011	200.7/200.8	0.1	1.4	<0.01	<0.03	<0.03	14	<0.025	2.7	0.025	1000	7.5E-03	0.063
	2/16/2011	200.7/200.8	0.15	0.95	<0.01	<0.03	<0.03	14	<0.025	2.9	0.014	1200	0.013	<0.05
	11/2/2010	6010B	<0.2	1.3	<0.002	<0.006	<0.006	5.2	9.4E-03	3.0	<0.05	1100	0.007	NL
	9/16/2010	6010B	0.12	1.2	<0.002	<0.006	<0.006	15	8.6E-03	2.9	<0.25	1200	0.01	NL
	7/20/2010 ²	6010B	0.15	1.1	<0.002	<0.006	<0.006	14	5.6E-03	2.9	<0.05	1200	NL	<0.05
	3/2/2010 ¹	6010B	0.074	0.38	<0.002	<0.006	<0.006	12	8.4E-03	2.7	<0.05	1200	0.028	0.059
GWM-2	2015 - 2014		No Samples - DRY											
	11/11/2013		Not enough water for sampling											
	9/3/2013	200.7/200.8	8.4E-03	0.036	<0.002	<0.006	0.014	0.19	8.1E-03	1.1	0.018	1000	0.17	0.059
	6/12/2013	200.7/200.8	9.3E-03	0.029	<0.002	<0.006	0.011	0.12	8.1E-03	1.3	0.023	1100	0.17	0.02
	3/18/2013	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1100	NA	NA
	11/28/2012	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300	NA	NA
	8/21/2012	200.7/200.8	6.9E-03	0.033	<0.002	<0.006	0.041	0.13	0.012	0.55	0.012	1300	0.12	0.039
	6/12/2012	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1400	NA	NA
	3/20/2012	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1500	NA	NA
	12/14/2011	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1500	NA	NA
	9/26/2011	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1600	NA	NA
	6/15/2011	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1600	NA	NA
	2/16/2011	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	NA	NA
	10/4/2010	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	910	NA	NA
	9/16/2010	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GWM-3	2015-2013		No Samples - DRY											
	11/28/2012	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1200	NA	NA
	8/21/2012	200.7/200.8	<0.005	0.029	<0.002	<0.006	0.23	0.88	0.063	1.7	9.9E-03	1200	0.066	0.46
	6/12/2012	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300	NA	NA
	3/20/2012	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1400	NA	NA

8.4.3 GWM-1, GWM-2, GWM-3
Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	NE	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	NE	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-04	NE	0.08	1.4	0.015	NE	0.01	NE	0.006	0.6
Well ID	DATE SAMPLED	METHOD												
	12/14/2011	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300	NA	NA
	9/26/2011	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300	NA	NA
	6/15/2011	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1200	NA	NA
	2/16/2011	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1200	NA	NA
	10/4/2010	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300	NA	NA
	9/16/2010	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.4.4 GWM-1, GWM-2, GWM-3
Volatile and Semi-Volatile Organic Compound Analytical Result Summary

			Parameters																				
			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	Isopropyl benzene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	1,2-Dichloro ethane (EDC)	2,4-Dimethyl phenol (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo (g,h,i) perylene (mg/L)	Chrysene (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	0.01	NE	NE	0.0007	NE	NE	NE	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE	NE	0.0002	NE	NE	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			NE	NE	0.00165	NE	NE	14.1	0.447	NE	NE	0.00171	0.354	NE	0.0000343	NE	0.0343	0.288	NE	NE	0.00165	0.17	0.117
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	1.7E-04	1.1E-03	0.036	14.0	0.045	1	0.66	0.017	0.36	1.20E-05	0.0000034	NE	0.0034	0.29	0.0011	0.036	0.00017	NE	0.12
Well ID	DATE SAMPLED	METHOD																					
GWM-1	10/29/2015	82608	NO SAMPLES COLLECTED - HAS AN SPH LEVEL																				
	8/24/2015	82608/8270C	6.3E-02	0.017	0.045	0.067	0.087	<0.05	<0.005	<0.015	<0.005	<0.005	<0.250	1.3	0.062	0.34	1.8	5.4	37	27	2.5	25	4.8
	6/2/2015	80218	4.7E-03	0.0012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/2015	80218	2.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/13/2014	82608	5.7E-03	<0.005	<0.01	<0.02	<0.02	<0.05	<0.005	<0.015	<0.005	0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/12/2014	82608/8270C	9.8E-03	0.0012	<0.002	0.013	<0.004	<0.01	1.4E-03	<0.003	3.0E-03	<0.001	0.078	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/5/2014	82608	0.011	1.2E-03	<0.002	0.012	<0.004	0.02	1.7E-03	<0.003	2.1E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/11/2014	82608	7.0	<0.001	<0.002	6.8E-03	<0.004	<0.01	1.1E-03	<0.003	1.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/11/2013	82608	5.2E-03	<0.001	<0.002	4.7E-03	<0.004	<0.01	1.2E-03	<0.003	1.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/3/2013	82608/8270C	0.011	<0.005	<0.01	<0.02	<0.02	<0.05	<0.005	<0.015	<0.005	0.077	0.077	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/12/2013	82608	0.013	2.7E-03	<0.002	0.018	<0.004	0.013	1.2E-03	<0.003	1.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/18/2013	82608	0.019	<0.005	<0.01	<0.02	<0.02	<0.05	<0.005	<0.015	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/28/2012	82608	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.01	<0.03	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/21/2012	82608/8270C	9.7E-03	1.9E-03	<0.002	0.013	<0.004	<0.01	1.1E-03	<0.003	2.2E-03	0.032	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/12/2012	82608	4.9E-03	<0.001	<0.002	6.3E-03	<0.004	0.011	<0.001	<0.001	1.6E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/20/2012	82608	1.8E-03	<0.001	<0.002	<0.004	<0.004	0.011	<0.001	<0.001	1.1E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/14/2011	82608	0.004	<0.001	<0.002	5.2E-03	<0.004	<0.01	1.3E-03	<0.001	2.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/26/2011	82608	0.019	2.9E-03	4.4E-03	0.028	<0.004	<0.01	1.9E-03	<0.01	2.7E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/2011	82608	0.018	3.1E-03	5.5E-03	0.024	6.2E-03	<0.01	1.8E-03	<0.01	2.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/16/2011	82608	0.008	<0.001	<0.002	0.01	<0.004	<0.01	1.4E-03	<0.001	1.8E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/2/2010	82608	7.5E-03	<0.001	<0.02	0.011	<0.004	<0.01	<0.001	1.6E-03	1.2E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/2010	82608 Short List	0.012	1.9E-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/20/2010	82608/8270C	0.013	<0.001	3.5E-03	7.2E-03	<0.004	0.012	1.6E-03	1.9E-03	1.5E-03	0.052	0.052	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/3/2010	82608	8.1E-03	<0.005	<0.01	<0.02	<0.02	<0.05	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GWM-2	2015 - 2014		No samples - dry																				
	11/11/2013		Not enough water for sampling																				
	9/3/2013	82068	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.001	<0.003	<0.001	<0.01	<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/12/2013	82608	<0.001	<0.001	<0.002	<0.004	<0.004	0.011	<0.001	<0.003	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	3/18/2013	82608	<0.001	<0.001	<0.002	<0.004	<0.004	0.011	<0.001	<0.003	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GWM-3	6/15/2011	82608	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2/16/2011	82608	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.001	<0.001	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

DEFINITIONS
NE = Not established
NA = Not analyzed
Bold and highlighted values represent values above the applicable standards

STANDARDS
WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
a) Human Health Standards; b) Other Standards for Domestic Water
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table
NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.5 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
BTEX Analytical Result Summary

STANDARDS			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			4.5E-03	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			3.9E-03	0.86	0.013	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
NAPIS 1	10/28/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/2/2015	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/10/2015	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	11/11/2014	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	9/11/2014	8260B	1.4E-03	<0.001	<0.001	<0.0015	<0.001
	6/5/2014	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/10/2014	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	11/12/2013	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	9/3/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/12/2013	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/18/2013	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	11/28/2012	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	8/21/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/12/2012	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/20/2012	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	12/14/2011	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	9/27/2011	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	6/15/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/2/2011	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
NAPIS 2	11/2/2010	8260	<0.001	<0.001	<0.001	<0.003	<0.0015
	9/15/2010	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	6/8/2010	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/8/2010	8021B	<0.001	<0.001	<0.001	<0.002	NL
	10/28/2015	8260B	9.1E-03	<0.001	2.1E-03	<0.0015	0.23
	8/11/2015	8260B	0.012	<0.001	2.8E-03	<0.0015	0.2
	6/2/2015	8021B	0.016	<0.001	7.3E-03	<0.002	0.2
	3/10/2015	8021B	0.032	<0.001	1.2E-02	2.7E-03	0.22
	11/11/2014	8021B	0.016	<0.001	5.2E-03	<0.002	0.34
	9/11/2014	8260B	0.027	<0.001	0.007	<0.0015	0.29
	6/5/2014	8021B	0.086	2.1E-03	0.028	3.7E-03	0.2
	3/10/2014	8021B	0.067	<0.002	0.028	<0.004	0.21
	11/12/2013	8021B	0.001	<0.001	8.3E-03	<0.002	0.25
	9/3/2013	8260B	0.018	<0.001	0.013	1.6E-03	0.24
	6/12/2013	8021B	0.013	<0.001	0.047	<0.002	0.3
	3/18/2013	8021B	0.07	<0.001	0.056	2.2E-03	0.38
	11/28/2012	8021B	0.016	<0.002	0.003	<0.004	0.36
	8/21/2012	8260B	0.01	<0.005	<0.005	<0.0075	0.16
	6/12/2012	8021B	0.018	<0.01	0.012	<0.02	0.34
	3/20/2012	8021B	0.019	<0.01	0.011	<0.02	0.37
NAPIS 2	12/14/2011	8021B	0.022	<0.005	8.9E-03	<0.01	0.33
	9/27/2011	8021B	0.035	<0.005	<0.005	<0.01	0.33
	6/15/2011	8260B	0.027	<0.005	0.018	<0.0075	0.28
NAPIS 2	3/2/2011	8021B	0.04	<0.005	0.014	<0.01	0.34

8.5 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
BTEX Analytical Result Summary

STANDARDS			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			4.5E-03	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			3.9E-03	0.86	0.013	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
	11/2/2010	8260	0.015	<0.005	<0.005	<0.0015	0.27
	9/15/2010	8260B	0.066	<0.005	8.3E-03	<0.015	0.23
	6/10/2010	8021B	0.14	<0.005	9.6E-03	<0.001	0.23
	3/8/2010	8260B	0.083	1.4E-03	0.016	2.1E-03	0.25
NAPIS 3	10/28/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/2/2015	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/10/2015	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	11/13/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/11/2014	8260B	3.8E-03	<0.001	1.9E-03	<0.0015	0.011
	6/5/2014	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/10/2014	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	11/12/2013	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	9/3/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/12/2013	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/18/2013	8021B	<0.002	<0.002	<0.002	<0.004	<0.005
	11/28/2012	8021B	<0.002	<0.002	<0.002	<0.004	<0.005
	10/2/2012 ¹	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	6/12/2012	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/20/2012	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	12/14/2011	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	9/27/2011	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	6/15/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/2/2011	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	11/2/2010	8260	<0.001	<0.001	<0.001	<0.0015	<0.0015
	9/15/2010	8021B	0.001	<0.001	<0.001	<0.002	<0.0025
	6/10/2010	8021B	0.2	<0.001	0.012	<0.002	0.08
	3/8/2010	8021B	0.072	<0.001	0.001	<0.002	NL
KA 3	10/28/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.011
	8/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.011
	6/2/2015	8021B	<0.001	<0.001	<0.001	<0.002	0.012
	3/10/2015	8021B	<0.001	<0.001	<0.001	<0.002	8.8E-03
	11/11/2014	8021B	<0.001	<0.001	<0.001	<0.002	0.013
	9/11/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/5/2014	8021B	<0.001	<0.001	<0.001	<0.002	5.6E-03
	3/10/2014	8021B	<0.001	<0.001	<0.001	<0.002	3.9E-03
	11/12/2013	8021B	2.4E-03	<0.001	1.8E-03	<0.002	6.5E-03
	9/3/2013	8260B	3.4E-03	<0.001	1.4E-03	<0.0015	0.2
	6/12/2013	8021B	0.009	<0.001	8.3E-03	<0.002	0.031
	3/18/2013	8021B	0.011	<0.001	0.011	<0.002	0.017
	11/28/2012	8021B	<0.002	<0.002	<0.002	<0.004	<0.005
	8/21/2012	8260B	<0.001	<0.001	<0.001	<0.0015	0.023
	6/12/2012	8021B	0.013	<0.001	4.5E-03	<0.002	0.028

8.5 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
BTEX Analytical Result Summary

STANDARDS			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			4.5E-03	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			3.9E-03	0.86	0.013	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
KA 3	3/20/2012	8021B	0.015	<0.002	4.2E-03	<0.004	0.035
	12/14/2011	8021B	0.024	<0.001	4.5E-03	<0.002	0.057
	9/27/2011	8021B	0.064	<0.001	0.011	<0.002	0.099
	6/15/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.077
	3/2/2011	8021B	<0.005	<0.005	<0.005	<0.01	0.088
	11/2/2010	8260	0.23	<0.01	0.014	<0.03	0.1
	9/15/2010	8260B	0.52	<0.01	0.031	<0.03	0.11
	6/10/2010	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/8/2010	8021B	<0.01	<0.01	<0.01	<0.01	NL

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

40 CFR 141.62 Detection Limits for Inorganic Contaminants

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

EPA Regional Screening Level (RSL) Summary Table

NOTES

1) Was not sampled in September due to low recharge rate.

8.5.1 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

General Chemistry and DRO/GRO Analytical Result Summary

STANDARDS			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	pH	Specific Conductance (µS/cm)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	6 TO 9	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	1.0	10	NE	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	NE	1.97	31.6	NE	NE			NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.62	NE	NE	2	32	NE	NE	NE	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD												
NAPIS-1	10/28/2015	300.0/8015B	0.52	85	1.5	6.9	6.9	<0.5	85	NA	NA	<1.0	<0.05	<5.0
	8/11/2015	300.0/8015D	0.67	110	0.74	8.6	8.6	<0.5	100			<1.0	<0.05	<5.0
	6/2/2015	300.0/8015D	<1.0	100	1.4	9.1	9.1	<5.0	93			<1.0	NA	<5.0
	3/10/2015	300.0/8015D	0.35	82	1.4	5.6	5.6	<0.5	75			<1.0	<0.05	<5.0
	11/11/2014	300.0/8015B	0.69	1100	1.5	5.1	5.1	<0.5	130	NA	NA	<1.0	<0.05	NA
	9/11/2014	300.0/8015B	0.46	91	1.1	7.1	7.1	<0.5	110			<1.0	<0.05	<5.0
	6/5/2014	300.0/8015B	0.4	86	1.4	14	14	<0.5	140	NA	NA	<1.0	<0.05	<5.0
	3/10/2014	300.0/8015B	<0.5	79	1.7	<0.5	29	<2.5	180	NA	NA	<1.0	<0.05	<5.0
	11/12/2013	300.0/8015B	0.42	120	1.6	<0.1	30	<0.5	210	NA	NA	<1.0	<0.05	NA
	9/3/2013	300.0/8015B	0.53	110	0.4	34	34	<0.5	69	NA	NA	<1.0	<0.05	<5.0
	6/12/2013	300.0/8015B	<1.0	89	2.0	3.3	3.3	<5.0	35	NA	NA	<1.0	<0.05	<5.0
	3/18/2013	300.0/8015B	0.63	97	1.8	1.1	1.1	<2.5	39	NA	NA	<1.0	<0.05	<5.0
	11/28/2012	300.0/8015B	1.1	110	2.0	<0.5	1.4	<2.5	70	NA	NA	<1.0	<0.05	<5.0
	8/21/2012	300.0/8015B	0.54	96	1.8	<0.5	2.6	<2.5	52	NA	NA	<1.0	<0.05	<5.0
	6/12/2012	300.0/8015B	0.88	120	1.7	<0.5	2.9	<2.5	68	NA	NA	<1.0	<0.05	<5.0
	3/20/2012	300.0/8015B	0.49	100	1.6	<0.1	3.3	<0.5	56	NA	NA	<1.0	<0.05	<5.0
	12/14/2011	300.0/8015B	0.67	150	2.0	4.7	4.7	<10	82	NA	NA	<1.0	<0.05	<5.0
	9/27/2011	300.0/8015B	1.1	180	2.2	58	58	<2.5	110	NA	NA	<1.0	<0.05	<5.0
	6/15/2011	300.0/8015B	0.52	140	1.8	<0.1	6.2	<0.5	78	NA	NA	<1.0	0.11	<5.0
	3/2/2011	300.0/8015B	0.42	180	2.1	9.5	9.5	<0.5	92	NA	NA	<1.0	<0.05	<5.0
	11/2/2010	300.0/8015B	0.96	200	NL	<2.0	6.9	<0.5	98	NA	NA	<1.0	<0.05	
	9/15/2010	300.0/8015B	0.5	189	NL	11.2	11.2	0.019	65	NA	NA	<1.0	<0.05	
	6/8/2010	300.0/8015B	0.73	170	2.2	4.0	4.0	<0.5	56	7.86	1800	<1.0	<0.05	
	3/8/2010	300.0/8015B	0.75	130	1.7	2.0	2.0	<0.5	52	NA	NA	<1.0	<0.05	
NAPIS-2	10/28/2015	300.0/8015B	1.7	320	1.2	<1.0	<1.0	<0.5	13	NA	NA	1.1	0.37	<5.0
	8/11/2015	300.0/8015D	1.6	310	0.62	<1.0	<1.0	<0.5	11			<1.0	0.51	<5.0
	6/2/2015	300.0/8015D	2.1	290	1.3	<2.0	<2.0	<5.0	9.90			<1.0	NA	<5.0
	3/10/2015	300.0/8015B	1.4	300	1.3	<0.5	<0.5	<2.5	7.80			1.2	0.49	<5.0
	11/11/2014	300.0/8015B	1.6	330	1.4	<1.0	<1.0	<2.5	11.00	NA	NA	<1.0	0.6	<5.0
	9/11/2014	300.0/8015B	1.6	360	1.1	<1.0	<1.0	<0.5	11.00			1.3	0.41	<5.0
	6/5/2014	300.0/8015B	1.3	330	0.94	<1.0	<1.0	<0.5	4.80	NA	NA	1.5	0.62	<5.0
	3/10/2014	300.0/8015B	1.5	220	1.6	<1.0	<1.0	<5.0	10.00	NA	NA	1.8	0.64	<5.0
	11/12/2013	300.0/8015B	1.7	260	1.4	<0.1	<0.1	<0.5	23	NA	NA	1.4	0.41	NA
	9/3/2013	300.0/8015B	1.8	290	0.37	5.2	5.2	<0.5	7.8	NA	NA	<1.0	0.47	<5.0
	6/12/2013	300.0/8015B	1.6	230	1.2	<1.0	<1.0	<5.0	7.8	NA	NA	1.9	0.74	<5.0
	3/18/2013	300.0/8015B	1.6	270	1.2	<1.0	<1.0	<2.5	4.9	NA	NA	2.9	0.65	<5.0
	11/28/2012	300.0/8015B	1.7	370	1.7	<0.5	<0.5	<2.5	11	NA	NA	<1.0	0.52	<5.0
	8/21/2012	300.0/8015B	1.6	370	1.4	<0.5	<0.5	<2.5	11	NA	NA	<1.0	1.4	<5.0
	6/12/2012	300.0/8015B	1.7	350	1.5	<0.5	<0.5	<2.5	7.9	NA	NA	<1.0	1.3	<5.0
	3/20/2012	300.0/8015B	0.49	330	0.94	<1.0	<1.0	<0.5	5.3	NA	NA	4.7	1.4	<5.0
	1/30/2012 ²	300.0/8015B	1.1	420	1.4	<1.0	<1.0	<2.5	<2.5	7.12	2200	NA	NA	NA

8.5.1 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

General Chemistry and DRO/GRO Analytical Result Summary

STANDARDS			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	pH	Specific Conductance (µS/cm)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	6 TO 9	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	1.0	10	NE	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	NE	1.97	31.6	NE	NE			NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.62	NE	NE	2	32	NE	NE	NE	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD												
NAPIS 2	12/14/2011 ¹	300.0/8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.4	0.61	<5.0
	9/27/2011	300.0/8015B	1.8	270	1.2	80	80	<2.5	6.0	NA	NA	3.1	0.69	<5.0
	6/15/2011	300.0/8015B	1.4	380	<2.0	<0.5	<2.0	<2.5	3.3	NA	NA	1.8	0.97	<5.0
	3/2/2011	300.0/8015B	1.3	360	1.3	<1.0	<1.0	<2.5	3.7	NA	NA	2.8	1.3	<5.0
	11/2/2010	300.0/8015B	1.7	230	NL	<1.0	<1.0	<0.5	7.8	NA	NA	5.1	0.57	
	9/15/2010	300.0/8015B	1.3	220	NL	<0.5	<0.5	0.01	6.0	NA	NA	5.3	1.0	
	6/10/2010	300.0/8015B	1.2	340	1.2	<1.0	<1.0	<2.5	8.7	7.8	1800	6.3	1.3	
	3/8/2010	300.0/8015B	1.4	320	1.0	<1.0	<1.0	<0.05	11	NA	NA	3.8	1.0	
NAPIS-3	10/28/2015	300.0/8015B	0.6	880	4.9	15	15	<0.5	420	NA	NA	<1.0	<0.05	<5.0
	8/11/2015	300.0/8015D	0.28	920	5.1	24	24	<0.5	380			<1.0	<0.05	<5.0
	6/2/2015	300.0/8015D	<1.0	790	4.9	15	15	<5.0	440			<1.0	NA	<5.0
	3/10/2015	300.0/8015B	0.42	940	5.1	<2.0	20	<0.5	430			<1.0	<0.05	<5.0
	11/13/2014	300.0/8015B	0.35	890	5.3	19	19	<0.5	400	NA	NA	<1.0	<0.05	<5.0
	9/11/2014	300.0/8015B	1.1	160	1.2	1.1	1.1	<0.5	61			<1.0	<0.05	<5.0
	6/5/2014	300.0/8015B	0.3	910	5.3	19	19	<0.5	400	NA	NA	<1.0	<0.05	<5.0
	3/10/2014	300.0/8015B	<0.5	920	4.9	<0.5	20	<2.5	430	NA	NA	<1.0	<0.05	<5.0
	11/12/2013	300.0/8015B	0.36	990	5.0	<2.0	20	<2.5	380	NA	NA	<1.0	<0.05	NA
	9/3/2013	300.0/8015B	0.27	980	5.0	20	20	<0.5	410	NA	NA	<1.0	<0.05	<5.0
	6/12/2013	300.0/8015B	<1.0	940	4.8	17	17	<5.0	400	NA	NA	<1.0	<0.05	<5.0
	3/18/2013	300.0/8015B	1.3	940	4.8	17	17	<2.5	380	NA	NA	<1.0	<0.1	<5.0
	11/28/2012	300.0/8015B	0.68	880	3.5	<0.5	14	<2.5	280	NA	NA	<1.0	<0.1	<5.0
	10/2/2012 ³	300.0/8015B	0.84	990	4.9	20	20	<2.5	400	7.86	NA	<1.0	<0.05	<5.0
	6/12/2012	300.0/8015B	0.55	1000	5.3	<0.5	19	<2.5	450	NA	NA	<1.0	<0.05	<5.0
	3/20/2012	300.0/8015B	0.59	970	4.4	<0.5	19	<2.5	390	NA	NA	<1.0	<0.05	<5.0
	12/14/2011	300.0/8015B	0.29	1100	4.5	19	19	<10	420	NA	NA	<1.0	<0.05	<5.0
	9/27/2011	300.0/8015B	<0.5	1000	5.1	49	49	<2.5	400	NA	NA	<1.0	<0.05	<5.0
	6/15/2011	300.0/8015B	1.5	530	2.3	<0.5	3.5	<2.5	170	NA	NA	<1.0	<0.05	<5.0
	3/2/2011	300.0/8015B	0.44	1100	4.7	14	14	<0.05	420	NA	NA	<1.0	<0.05	<5.0
	11/2/2010	300.0/8015B	0.48	1100	NL	18	18	<0.5	430	NA	NA	<1.0	<0.05	
	9/15/2010	300.0/8015B	NL	1040	NL	24.1	24.1	0.023	290	NA	NA	<1.0	<0.05	
	6/10/2010	300.0/8015B	1.5	260	1.1	<1.0	<1.0	<0.5	39	7.84	1600	1.8	0.89	
	3/8/2010	300.0/8015B	0.46	410	1.5	5.5	5.5	<0.5	400	NA	NA	<1.0	<0.5	
KA 3	10/28/2015	300.0/8015B	1.1	120	1.3	<1.0	<1.0	<0.5	57	NA	NA	<1.0	<0.05	<5.0
	8/11/2015	300.0/8015D	1	130	1.1	2.8	2.8	<0.5	52			<1.0	<0.05	<5.0
	6/2/2015	300.0/8015D	1.5	150	1.3	<2.0	<2.0	<5.0	42			<1.0	NA	<5.0
	3/10/2015	300.0/8015D	1.1	120	1	<0.1	0.53	<0.5	43			<1.0	<0.05	<5.0
	11/11/2014	300.0/8015B	1.1	160	1.2	<1.0	<1.0	<0.5	54	NA	NA	<1.0	<0.05	NL
	9/11/2014	300.0/8015B	0.45	760	4.4	19	19	<0.5	420	NA	NA	<1.0	<0.05	<5.0
	6/5/2014	300.0/8015B	1.0	180	1.6	7.7	7.7	<0.5	95	NA	NA	<1.0	<0.05	<5.0
	3/10/2014	300.0/8015B	1.1	140	1.8	<0.5	13	<2.5	72	NA	NA	<1.0	<0.05	<5.0
	11/12/2013	300.0/8015B	1.3	110	1.4	0.2	9.3	<0.5	54	NA	NA	<1.0	<0.05	NA
	9/3/2013	300.0/8015B	1.1	170	1.0	20	20	<0.5	39	NA	NA	<1.0	<0.05	<5.0

8.5.1 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

General Chemistry and DRO/GRO Analytical Result Summary

STANDARDS			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	pH	Specific Conductance (µS/cm)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	6 TO 9	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	1.0	10	NE	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	NE	1.97	31.6	NE	NE			NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.62	NE	NE	2	32	NE	NE	NE	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD												
	6/12/2013	300.0/8015B	1.4	190	1.1	<1.0	<1.0	<5.0	33	NA	NA	<1.0	0.072	<5.0
	3/18/2013	300.0/8015B	1.8	180	1.2	2.4	2.4	<2.5	81	NA	NA	<1.0	0.063	<5.0
	11/28/2012	300.0/8015B	0.98	870	4.0	2.8	9.9	<2.5	270	NA	NA	<1.0	<0.1	<5.0
	8/21/2012	300.0/8015B	<2.0	250	1.2	<0.1	0.31	<0.5	43	NA	NA	<1.0	0.1	<5.0
	6/12/2012	300.0/8015B	1.3	710	3.9	2.1	11	<2.5	220	NA	NA	<1.0	0.14	<5.0
	3/20/2012	300.0/8015B	2.0	440	1.9	<1.0	15	<2.5	220	NA	NA	1.8	0.16	<5.0
	12/14/2011	300.0/8015B	1.3	260	1.1	<1.0	<1.0	<0.5	38	NA	NA	<1.0	0.15	
	9/27/2011	300.0/8015B	1.5	290	1.3	48	48	<2.5	48	NA	NA	2.1	0.35	
	6/15/2011	300.0/8015B	0.51	970	4.5	<0.5	18	<0.5	370	NA	NA	<1.0	<0.25	
	3/2/2011	300.0/8015B	1.2	600	2.4	4.3	4.3	<0.5	150	NA	NA	<1.0	<0.25	
	11/2/2010	300.0/8015B	1.7	260	NL	<1.0	<1.0	<5.0	38	NA	NA	1.7	0.68	
	9/15/2010	300.0/8015B	1.4	277	NL	<0.5	<0.5	0.013	37	NA	NA	3.0	1.9	
	6/10/2010	300.0/8015B	0.38	1100	4.7	17	17	<0.05	390	8.21	3600	<1.0	<0.05	
	3/8/2010	300.0/8015B	1.6	410	1.5	5.5	5.5	<0.05	90	NA	NA	<1.0	0.47	

DEFINITIONS

NE = Not established

NA = Not analyzed

BOLD values represent values above the applicable standard

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

40 CFR 141.62 Detection Limits for Inorganic Contaminants

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

EPA Regional Screening Level (RSL) Summary Table

NOTES

1) 12/14/11 - General Chemistry parameters missed this quarter. Notified NMED and instructed to re-sample for general chemistry parameters only.

2) Resampled for General Chemistry parameters only.

3) Was not sampled in September due to low recharge rate.

8.5.2 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
Total Metals Analytical Result Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	NE	0.8	14	0.015	0.43	0.1	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD											
NAPIS 1	10/28/2015	200.7/200.8	<0.005	0.14	<0.006	<0.006	0.59	8.1E-04	0.13	5.4E-03	<0.0002	0.013	<0.01
	8/11/2015	200.7/200.8	<0.01	0.11	<0.006	<0.006	0.72	1.1E-03	0.099	<0.01	<0.0002	0.025	0.01
	6/2/2015	200.7/200.8	<0.01	0.15	<0.006	<0.006	0.6	<0.005	0.25	<0.01	<0.0002	0.014	<0.01
	3/10/2015	200.7/200.8	<0.01	0.13	<0.006	<0.006	0.46	<0.001	0.2	<0.01	<0.0002	0.013	<0.01
	11/11/2014	200.7/200.8	<0.01	0.13	<0.006	<0.006	0.79	0.001	0.24	<0.01	<0.0002	0.012	0.01
	9/11/2014	200.7/200.8	<0.01	0.13	<0.006	<0.006	0.24	<0.01	0.12	0.012	<0.0002	0.012	<0.01
	3/5/2014	200.7/200.8	<0.005	0.15	<0.006	<0.006	1.2	<0.005	0.12	0.01	<0.0002	0.014	0.012
	3/10/2014	200.7/200.8	1.8E-03	0.14	<0.006	<0.006	0.28	<0.001	0.095	5.5E-03	<0.0002	0.013	0.012
	11/12/2013	200.7/200.8	3.4E-03	0.19	<0.006	<0.006	0.36	<0.001	0.17	0.01	<0.0002	0.012	0.011
	9/3/2013	200.7/200.8	2.6E-03	0.17	<0.006	<0.006	0.57	<0.001	0.089	7.3E-03	<0.0002	9.9E-03	<0.01
	6/12/2013	200.7/200.8	2.7E-03	0.13	<0.006	<0.006	0.25	NL	0.068	7.6E-03	<0.0002	0.011	<0.01
	3/18/2013	200.7/200.8	<0.0025	0.13	<0.006	<0.006	1.4	<0.005	0.14	3.9E-03	<0.0002	0.017	0.011
	11/28/2012	200.7/200.8	<0.0025	0.12	<0.006	<0.006	1.1	<0.005	0.099	2.7E-03	<0.001	0.03	0.013
	8/21/2012	200.7/200.8	<0.0025	0.13	<0.006	<0.006	0.066	<0.005	0.018	4.3E-03	<0.0002	9.4E-03	<0.01
	6/2/2012	200.7/200.8	3.1E-03	0.27	6.8E-03	<0.06	7.5	<0.005	0.36	5.2E-03	<0.001	0.032	0.037
	3/20/2012	200.7/200.8	<0.0025	0.13	<0.006	<0.006	0.99	<0.005	0.039	5.3E-03	<0.0002	0.012	<0.01
	12/14/2011	200.7/200.8	<0.0025	0.19	<0.006	<0.006	2.9	<0.005	0.12	3.3E-03	<0.0002	0.019	0.017
	9/27/2011	200.7/200.8	<0.0025	0.13	<0.006	<0.006	0.59	<0.005	0.092	6.7E-03	<0.0002	0.046	<0.01
	6/15/2011	200.7/200.8	0.004	0.19	<0.006	<0.006	2.2	<0.005	0.058	0.01	<0.0002	0.013	0.012
	3/2/2011	200.7/200.8	<0.0025	0.17	<0.006	<0.006	1.0	<0.005	0.035	<0.05	NL	0.021	<0.01
	11/2/2010	6010B	<0.02	0.26	6.2E-03	<0.006	6.4	<0.005	0.16	<0.05	<0.0002	0.045	0.027
	9/15/2010	6010B	<0.02	0.19	<0.006	<0.006	0.56	<0.005	0.044	<0.05	<0.0002	0.018	<0.02
	6/8/2010	6010B	<0.02	0.18	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	3/8/2010	6020A	<0.001	0.133	1.06E-03	2.64E-03	0.548	<0.001	1.47E-02	<0.001	<0.0001	0.273	4.85E-03
NAPIS-2	10/28/2015	200.7/200.8	0.008	1.6	<0.006	<0.006	3.3	0.0018	1.2	<0.01	<0.0002	<0.0005	0.011
	8/11/2015	200.7/200.8	0.008	1.6	<0.006	9.9E-03	3.3	2.3E-03	1.2	<0.005	<0.0002	<0.0005	0.016
	6/2/2015	200.7/200.8	<0.01	1.6	<0.006	<0.006	2.9	<0.005	1.2	<0.01	<0.0002	<0.005	<0.01
	3/10/2015	200.7/200.8	<0.01	1.9	<0.006	<0.006	3.0	1.3E-03	1.1	<0.01	<0.0002	<0.001	<0.01
	11/11/2014	200.7/200.8	<0.01	1.7	<0.006	<0.006	2.9	<0.001	1.4	<0.01	<0.0002	<0.001	0.013
	9/11/2014	200.7/200.8	0.01	2.1	<0.006	0.012	3.5	0.003	1.3	0.011	<0.0002	<0.001	4.7E-02
	6/5/2014	200.7/200.8	<0.005	2.0	<0.006	9.7E-03	3.9	<0.005	1.3	9.5E-03	<0.0002	<0.005	0.013
	3/10/2014	200.7/200.8	0.006	1.5	<0.006	<0.006	2.9	<0.001	1.4	7.1E-03	<0.0002	<0.001	<0.01
	11/12/2013	200.7/200.8	8.1E-03	1.4	<0.006	9.7E-03	3.2	1.3E-03	1.4	7.7E-03	<0.0002	<0.001	0.018
	9/3/2013	200.7/200.8	6.3E-03	2.0	<0.006	<0.006	3.9	1.4E-03	1.4	4.5E-03	<0.0002	<0.001	0.012
	6/12/2013	200.7/200.8	7.0E-03	2.0	<0.006	<0.006	3.2	NL	1.5	5.1E-03	<0.0002	<0.001	<0.01
	3/18/2013	200.7/200.8	7.3E-03	1.6	<0.006	<0.006	2.9	<0.005	1.3	<0.0025	<0.0002	<0.0025	0.015
	11/28/2012	200.7/200.8	6.9E-03	1.7	<0.006	<0.006	3.3	5.2E-03	1.6	<0.0025	<0.0002	<0.0025	<0.01
	8/21/2012	200.7/200.8	9.7E-03	1.7	<0.006	<0.006	3.1	<0.005	1.7	3.1E-03	<0.0002	<0.0025	<0.01
	6/12/2012	200.7/200.8	0.01	1.9	<0.006	<0.06	3.8	<0.005	1.9	3.5E-03	<0.001	<0.0025	<0.01
	3/20/2012	200.7/200.8	0.011	2.1	<0.006	7.1E-03	5.0	<0.005	1.6	3.6E-03	<0.0002	<0.0025	0.015
	12/14/2011	200.7/200.8	9.9E-03	1.7	<0.006	<0.006	4.1	<0.005	1.4	<0.0025	<0.0002	<0.0025	0.011
	9/27/2011	200.7/200.8	0.012	1.7	<0.006	<0.006	4.2	<0.005	1.3	3.4E-03	<0.0002	<0.0025	0.016
	6/15/2011	200.7/200.8	0.012	2.1	<0.006	<0.006	5.4	<0.005	1.5	6.3E-03	<0.0002	<0.0025	<0.01
	3/2/2011	200.7/200.8	0.011	2.4	<0.006	7.5E-03	5.4	<0.005	1.3	<0.05	NL	<0.0025	<0.01
	11/2/2010	6010B	<0.02	1.2	<0.006	<0.006	4.2	<0.005	1.2	<0.05	<0.0002	NL	<0.02
	9/15/2010	6010B	<0.02	1.4	<0.006	<0.006	4.3	<0.005	1.1	<0.05	<0.0002	<0.001	<0.02
	6/10/2010	6010B	<0.02	1.7	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	3/8/2010	6020A	4.57E-03	2.07	1.05E-03	2.46E-03	4.71	1.38E-03	1.25	<0.001	<0.0001	<0.001	7.07E-03
NAPIS-3	10/28/2015	200.7/200.8	<0.01	0.11	<0.006	<0.006	1.6	1.9E-03	0.093	0.018	<0.0002	0.039	0.016
	8/11/2015	200.7/200.8	<0.01	0.1	9.5E-03	<0.006	2.2	3.5E-03	0.081	0.019	<0.0002	0.038	0.07
	6/3/2015	200.7/200.8	<0.01	0.1	6.6E-03	7.5E-03	1.4	<0.005	0.08	<0.02	<0.0002	0.038	0.028
	3/10/2015	200.7/200.8	<0.02	0.1	<0.006	<0.006	1.1	1.5E-03	0.26	<0.05	<0.0002	0.042	0.018
	11/13/2014	200.7/200.8	<0.05	0.11	0.01	<0.006	2.1	3.4E-03	0.07	<0.05	<0.0002	0.039	0.063
	9/11/2014	200.7/200.8	<0.01	0.22	<0.006	<0.006	0.14	<0.001	0.55	<0.01	<0.0002	0.019	<0.01
	6/5/2014	200.7/200.8	7.6E-03	0.23	0.016	<0.006	5.8	7.3E-03	0.16	0.032	<0.0002	0.032	0.14
	3/10/2014	200.7/200.8	<0.01	0.22	0.013	7.3E-03	4.3	5.3E-03	0.12	0.027	<0.0002	0.036	0.091
	11/12/2013	200.7/200.8	9.7E-03	0.69	0.029	0.021	13	0.019	0.7	0.03	<0.0002	0.038	0.24
	9/3/2013	200.7/200.8	5.2E-03	0.19	0.009	6.1E-03	3.4	3.9E-03	0.16	0.019	<0.0002	0.038	0.043
	6/12/2013	200.7/200.8	6.4E-03	0.85	0.036	0.03	15	NL	0.57	0.016	<0.0002	0.039	0.26

8.5.2 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
Total Metals Analytical Result Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00559	0.79	13.8	NE	2.02	0.0987	0.0000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	NE	0.8	14	0.015	0.43	0.1	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD											
	3/18/2013	200.7/200.8	0.016	3.8	0.13	0.16	62	0.097	3.8	8.9E-03	1.6E-03	0.052	1.1
	11/28/2012	200.7/200.8	4.8E-03	0.57	0.018	0.018	9.9	8.1E-03	0.46	9.7E-03	<0.0002	0.04	0.12
	10/2/2012 ¹	200.7/200.8	4.2E-03	0.18	<0.006	<0.006	1.8	<0.005	0.11	0.016	<0.0002	0.037	0.02
	6/12/2012	200.7/200.8	5.1E-03	0.11	7.5E-03	<0.006	2.4	5.2E-03	0.082	0.017	<0.001	0.041	0.057
	3/20/2012	200.7/200.8	0.006	0.16	0.017	8.3E-03	5.5	8.2E-03	0.12	0.017	<0.0002	0.038	0.22
	12/14/2011	200.7/200.8	4.4E-03	0.16	0.019	<0.006	6.0	8.1E-03	0.11	0.011	<0.0002	0.041	0.23
	9/27/2011	200.7/200.8	7.2E-03	0.27	0.044	0.012	2.0	0.014	0.21	0.2	<0.0002	0.041	0.51
	6/15/2011	200.7/200.8	0.007	0.2	<0.006	<0.006	0.72	<0.005	1.0	0.012	<0.0002	0.013	<0.01
	3/2/2011	200.7/200.8	<0.0025	0.078	<0.006	<0.006	0.49	<0.005	0.017	<0.05	NL	0.044	0.014
	11/2/2010	6010B	<0.02	0.096	7.5E-03	0.012	2.6	0.011	0.12	<0.05	<0.0002	0.032	0.59
	9/15/2010	6010B	<0.02	0.11	0.098	0.014	3.9	0.012	0.15	<0.05	<0.0002	0.035	0.36
	6/10/2010	6010B	<0.02	0.54	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	3/8/2010	6020A	1.58E-03	9.79E-02	3.96E-03	3.19E-03	0.338	1.23E-03	0.0176	3.73E-03	<0.0002	3.19E-02	9.41E-03
KA 3	10/28/2015	200.7/200.8	3.5E-03	0.31	<0.006	<0.006	0.11	<0.0005	1.7	<0.005	<0.0002	0.013	<0.01
	8/11/2015	200.7/200.8	2.3E-03	0.29	<0.006	<0.006	0.42	7.7E-04	1.6	<0.005	<0.0002	0.019	<0.01
	6/2/2015	200.7/200.8	<0.01	0.35	<0.006	<0.006	0.29	<0.005	3.0	<0.01	<0.0002	0.018	<0.01
	3/10/2015	200.7/200.8	<0.01	0.27	<0.006	<0.006	0.35	<0.001	1.6	<0.01	<0.0002	0.015	<0.01
	11/11/2014	200.7/200.8	NOT ANALYZED										
	9/11/2014	200.7/200.8	0.011	0.07	<0.006	8.4E-03	1.0	1.5E-03	0.035	0.034	<0.0002	0.047	0.018
	6/5/2014	200.7/200.8	NOT ANALYZED										
	3/10/2014	200.7/200.8	<0.005	0.11	<0.006	<0.006	0.95	<0.001	0.26	8.2E-03	<0.0002	0.089	0.016
	11/12/2013	200.7/200.8	3.3E-03	0.16	<0.006	<0.006	0.22	<0.001	0.44	8.2E-03	<0.0002	0.021	0.01
	9/3/2013	200.7/200.8	2.2E-03	0.17	<0.006	<0.006	0.33	<0.001	0.42	3.4E-03	<0.0002	0.013	0.013
	6/12/2013	200.7/200.8	1.9E-03	0.16	<0.006	<0.006	0.4	NL	0.35	0.003	<0.0002	0.014	<0.01
	3/18/2013	200.7/200.8	<0.0025	0.079	<0.006	<0.006	0.62	5.8E-03	0.58	<0.0025	<0.0002	0.02	<0.01
	11/28/2012	200.7/200.8	0.006	1.3	0.036	0.013	30	<0.005	1.7	0.01	<0.0002	0.032	0.092
	8/21/2012	200.7/200.8	2.8E-03	0.3	<0.006	0.007	0.32	<0.005	0.81	<0.0025	<0.0002	4.3E-03	0.014
	6/12/2012	200.7/200.8	5.7E-03	0.61	0.022	9.2E-03	15	<0.005	0.93	0.012	<0.001	0.027	0.055
	3/20/2012	200.7/200.8	6.5E-03	0.99	0.033	0.017	24	<0.005	1.8	8.8E-03	<0.0002	0.023	0.095
KA 3	12/14/2011	200.7/200.8	3.8E-03	0.34	<0.006	<0.006	1.1	<0.005	1.1	<0.0025	<0.0002	4.5E-03	0.013
	9/27/2011	200.7/200.8	6.3E-03	0.3	<0.006	<0.006	2.2	<0.005	1.1	0.003	<0.0002	5.8E-03	0.024
	6/15/2011	200.7/200.8	8.9E-03	0.22	0.028	<0.006	9.4	0.014	0.16	0.03	<0.0002	0.035	0.32
	3/2/2011	200.7/200.8	6.3E-03	0.44	<0.006	<0.006	0.64	<0.005	1.4	<0.05	NL	0.015	<0.01
	11/2/2010	6010B	<0.02	0.6	<0.006	<0.006	1.2	<0.005	1.4	<0.05	<0.0002	NL	<0.02
	9/15/2010	6010B	<0.02	0.47	0.096	<0.006	1.6	<0.005	1.3	<0.05	<0.0002	0.003	<0.02
	6/10/2010	6010B	<0.02	0.17	6.4E-03	NL	NL	<0.005	NL	<0.05	<0.0002	NL	<0.02
	3/8/2010	6020A	0.011	0.335	1.4E-03	1.14E-02	2.35	3.03E-03	2.1	<0.001	<0.0001	6.52E-03	2.11E-02

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

40 CFR 141.62 Detection Limits for Inorganic Contaminants

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

EPA Regional Screening Level (RSL) Summary Table

NOTES

1) Was not sampled in September due to low recharge rate.

8.5.3 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
Dissolved Metals Analytical Result Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.05	1.0	1.0	0.05	0.2	NE	0.05	NE	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.1	1.3	NE	0.015	NE	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00559	0.79	13.8	NE	2.02	NE	0.0987	NE	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	NE	0.08	1.4	0.015	0.43	NE	0.1	NE	0.06	6
Well ID	DATE SAMPLED	METHOD												
NAPIS 1	10/28/2015	200.7/200.8	<0.005	0.13	<0.006	<0.006	<0.02	<0.0005	0.061	<1.0	<0.01	330	0.013	<0.01
	8/11/2015	200.7/200.8	<0.005	0.095	<0.006	<0.006	<0.02	<0.0025	0.028	<1.0	5.3E-03	380	0.02	<0.01
	6/2/2015	200.7/200.8	<0.01	0.11	<0.006	<0.006	<0.02	<0.01	0.067	<1.0	<0.01	320	0.013	0.01
	3/10/2015	200.7/200.8	<0.01	0.11	<0.006	<0.006	<0.02	<0.001	0.067	<1.0	<0.02	310	0.013	<0.01
	11/11/2014	200.7/200.8	<0.01	0.12	<0.006	<0.006	<0.02	<0.001	0.065	<1.0	<0.01	320	0.012	0.05
	9/11/2014	200.7/200.8	<0.005	0.13	<0.006	<0.006	<0.02	<0.01	0.13	1.3	0.012	330	<0.01	0.01
	6/5/2014	200.7/200.8	<0.005	0.12	<0.006	<0.006	0.025	<0.001	0.059	NL	0.013	NL	0.01	<0.01
	3/10/2014	200.7/200.8	<0.005	0.12	<0.006	<0.006	<0.02	<0.001	0.053	<1.0	<0.005	330	0.013	0.017
	11/12/2013	200.7/200.8	<0.005	0.17	<0.006	<0.006	<0.02	<0.005	0.071	<1.0	0.011	330	0.011	<0.01
	9/9/2013	200.7/200.8	<0.005	0.15	<0.03	<0.03	<0.1	<0.005	0.064	<5.0	8.5E-03	340	<0.01	<0.05
	6/12/2013	200.7/200.8	3.4E-03	0.13	<0.006	<0.006	0.057	<0.001	0.027	1.4	0.011	340	0.011	<0.01
	3/18/2013	200.7/200.8	1.6E-03	0.091	<0.006	<0.006	<0.02	<0.005	4.1E-03	<1.0	3.4E-03	270	0.017	<0.01
	11/28/2012	200.7/200.8	1.9E-03	0.093	<0.006	<0.006	<0.02	<0.001	9.8E-03	<1.0	4.1E-03	400	0.029	0.013
	8/21/2012	200.7/200.8	2.1E-03	0.12	<0.006	<0.006	<0.02	<0.005	0.011	<1.0	4.3E-03	350	0.011	0.017
	6/12/2012	200.7/200.8	2.3E-03	0.1	<0.006	<0.006	0.025	<0.005	3.7E-03	<1.0	6.2E-03	330	0.014	0.014
	3/20/2012	200.7/200.8	1.8E-03	0.11	<0.006	<0.006	<0.02	<0.005	6.1E-03	<1.0	0.006	350	0.01	0.022
	12/14/2011	200.7/200.8	1.7E-03	0.12	<0.006	<0.006	0.27	<0.005	6.8E-03	<5.0	3.9E-03	380	0.021	<0.01
	9/27/2011	200.7/200.8	2.9E-03	0.12	<0.006	<0.006	<0.02	<0.005	0.056	2.0	9.2E-03	400	0.032	0.011
	6/15/2011	200.7/200.8	4.7E-03	0.14	<0.006	<0.006	<0.020	<0.005	2.3E-03	<1.0	0.017	340	0.016	0.028
	3/2/2011	200.7/200.8	1.3E-03	0.15	<0.006	<0.006	0.032	<0.005	<0.002	1.5	<0.05	380	0.017	<0.01
	11/2/2010	6010B	<0.1	0.13	<0.006	<0.006	0.057	<0.005	0.016	<5.0	<0.25	420	0.034	NL
	9/15/2010	6010B	<0.02	0.18	<0.006	<0.006	0.29	6.4E-03	6.6E-03	<1.0	<0.05	370	0.011	NL
	6/8/2010	6010B	<0.2	0.13	<0.006	NL	NL	<0.005	NL	<1.0	<0.05	370	NL	NL
	3/8/2010	6020A	1.08E-03	0.139	<0.001	2.1E-03	<0.01	<0.001	<0.001	0.829	1.24E-04	322	2.79E-02	2.58E-02
NAPIS-2	10/28/2015	200.7/200.8	8.4E-03	1.6	<0.006	<0.006	1.8	<0.0005	1.2	<1.0	9.7E-03	360	<0.0005	0.022
	8/11/2015	200.7/200.8	7.2E-03	1.3	<0.006	<0.006	1.4	<0.0025	1.2	<1.0	<0.005	400	<0.0025	<0.01
	6/2/2015	200.7/200.8	<0.01	1.5	<0.006	<0.006	1.2	<0.01	1.1	<1.0	<0.01	370	<0.01	<0.01
	3/10/2015	200.7/200.8	<0.01	1.8	<0.006	<0.006	1.9	<0.001	1.0	1.2	<0.01	370	<0.001	<0.01
	11/11/2014	200.7/200.8	7.6E-03	0.27	<0.006	<0.006	1.8	<0.001	1.3	<1.0	6.2E-03	410	<0.001	0.019
	9/11/2014	200.7/200.8	0.007	1.9	<0.006	<0.006	1.6	<0.01	1.2	1.1	0.011	410	<0.01	0.047
	6/5/2014	200.7/200.8	6.4E-03	1.6	<0.006	<0.006	2.6	<0.005	1.4	NL	0.01	NL	<0.001	<0.01
	3/10/2014	200.7/200.8	5.3E-03	1.8	<0.006	<0.006	1.8	<0.001	1.2	<1.0	<0.005	350	<0.001	0.012
	11/12/2013	200.7/200.8	7.7E-03	1.5	<0.006	<0.006	1.8	<0.001	1.3	<1.0	0.008	310	<0.001	<0.01
	9/9/2013	200.7/200.8	6.9E-03	1.7	<0.006	<0.006	2.6	<0.005	1.3	<1.0	0.006	350	<0.01	0.021
	6/12/2013	200.7/200.8	6.8E-03	1.9	<0.006	<0.006	1.7	<0.001	1.6	1.7	7.1E-03	360	<0.001	0.01
	3/18/2013	200.7/200.8	6.2E-03	1.5	<0.006	<0.006	1.1	<0.005	1.2	<1.0	2.4E-03	280	<0.002	<0.01
	11/28/2012	200.7/200.8	8.3E-03	1.7	<0.006	<0.006	2.9	<0.001	1.8	<1.0	3.4E-03	330	<0.001	0.011
	8/21/2012	200.7/200.8	0.014	2.7	<0.006	<0.006	1.9	<0.005	1.6	<1.0	3.4E+00	380	<0.001	0.016
	6/12/2012	200.7/200.8	8.9E-03	1.8	<0.006	<0.006	2.7	<0.005	1.6	<1.0	4.7E-03	350	<0.001	0.18
	3/20/2012	200.7/200.8	9.3E-03	1.8	<0.006	<0.006	3.0	<0.005	1.5	<1.0	4.2E-03	350	<0.001	0.07

8.5.3 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
Dissolved Metals Analytical Result Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.05	1.0	1.0	0.05	0.2	NE	0.05	NE	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.1	1.3	NE	0.015	NE	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00559	0.79	13.8	NE	2.02	NE	0.0987	NE	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	NE	0.08	1.4	0.015	0.43	NE	0.1	NE	0.06	6
Well ID	DATE SAMPLED	METHOD												
NAPIS 2	12/14/2011	200.7/200.8	8.9E-03	1.8	<0.006	<0.006	3.2	<0.005	1.3	NL	2.8E-03	NL	<0.001	<0.01
	9/27/2011	200.7/200.8	0.011	1.4	<0.006	<0.006	2.2	<0.005	1.2	<1.0	0.005	330	<0.001	0.015
	6/15/2011	200.7/200.8	0.012	1.7	<0.006	<0.006	3.2	<0.005	1.3	<1.0	9.5E-03	310	<0.001	0.041
	3/2/2011	200.7/200.8	0.013	0.055	<0.006	<0.006	4.8	<0.005	<0.002	5.8	<0.05	380	<0.001	<0.01
	11/2/2010	6010B	<0.1	1.4	<0.006	<0.006	2.9	<0.005	1.2	<1.0	<0.05	320	NL	NL
	9/15/2010	6010B	<0.02	1.5	<0.006	<0.006	3.7	<0.005	1.0	<1.0	<0.05	310	<0.001	NL
	6/10/2010	6010B	<0.02	1.7	<0.006	NL	NL	<0.005	NL	<1.0	<0.05	320	NL	NL
	3/8/2010	6020A	4.73E-03	1.73	<0.001	<0.001	3.82	<0.001	1.06	0.278	<0.001	319	<0.001	5.3E-02
NAPIS 3	10/28/2015	200.7/200.8	<0.05	0.046	<0.006	<0.006	<0.02	<0.0005	8.1E-03	3.9	<0.05	730	0.04	<0.01
	8/11/2015	200.7/200.8	<0.01	0.041	<0.006	<0.006	0.044	<0.0025	2.9E-03	3.0	0.02	940	0.038	0.049
	6/2/2015	200.7/200.8	<0.01	0.033	<0.006	<0.006	0.064	<0.01	3.8E-03	7.7	0.016	880	0.043	0.049
	3/10/2015	200.7/200.8	<0.02	0.048	<0.006	<0.006	<0.02	<0.001	<0.002	4.6	<0.05	910	0.036	0.044
	11/13/2014	200.7/200.8	<0.01	0.041	<0.006	<0.006	<0.02	<0.01	<0.002	3.0	<0.05	880	0.039	0.089
	9/11/2014	200.7/200.8	<0.005	0.22	<0.006	<0.006	<0.02	<0.01	0.47	1.6	8.9E-03	300	0.014	0.011
	6/5/2014	200.7/200.8	0.011	0.094	7.3E-03	<0.006	2.6	<0.01	0.058	5.3	0.045	390	0.034	0.07
	3/10/2014	200.7/200.8	<0.01	0.053	<0.006	<0.006	0.24	<0.001	7.3E-03	3.5	0.011	890	0.039	0.017
	11/12/2013	200.7/200.8	7.6E-03	0.055	<0.006	<0.006	0.15	<0.001	4.7E-03	4.5	0.029	820	0.036	0.024
	9/9/2013	200.7/200.8	6.3E-03	0.058	<0.006	<0.006	0.17	<0.001	7.5E-03	2.9	0.023	950	0.041	0.028
	6/12/2013	200.7/200.8	7.7E-03	0.094	<0.006	<0.006	0.57	1.4E-03	0.038	5.4	0.032	900	0.038	0.019
	3/18/2013	200.7/200.8	4.8E-03	0.18	<0.006	6.5E-03	4.6	<0.005	0.25	5.4	0.012	810	0.037	0.037
	11/28/2012	200.7/200.8	5.2E-03	0.14	<0.006	0.014	15	0.01	0.39	4.9	0.012	930	0.035	0.1
	10/2/2012 ¹	200.7/200.8	0.004	0.11	<0.006	<0.006	3.2	<0.005	0.14	4.0	0.013	890	0.038	0.035
	6/12/2012	200.7/200.8	0.005	0.054	<0.006	<0.006	0.024	<0.005	<0.002	3.7	0.019	870	0.039	0.015
	3/20/2012	200.7/200.8	3.9E-03	0.063	7.9E-03	<0.006	0.51	<0.005	0.014	3.9	0.017	920	0.032	0.084
	12/14/2011	200.7/200.8	3.7E-03	0.052	<0.006	<0.006	0.12	<0.005	4.7E-03	<5.0	0.013	960	0.04	0.018
	9/27/2011	200.7/200.8	6.4E-03	0.058	<0.006	<0.006	0.14	<0.005	3.5E-03	4.3	0.025	1000	0.038	0.018
	6/15/2011	200.7/200.8	8.5E-03	0.17	<0.006	<0.006	0.057	<0.005	0.92	1.4	0.019	490	0.013	0.27
	3/2/2011	200.7/200.8	<0.001	0.057	<0.006	<0.006	<0.02	<0.005	<0.002	5.7	<0.05	970	0.039	<0.01
	11/2/2010	6010B	<0.02	0.081	<0.006	<0.006	0.025	<0.005	0.01	4.2	<0.05	990	0.035	NL
	9/15/2010	6010B	<0.02	0.066	<0.006	<0.006	0.021	<0.005	0.0021	3.9	<0.05	910	0.032	NL
	6/10/2010	6010B	<0.02	0.62	<0.006	NL	NL	<0.005	NL	<1.0	<0.05	260	NL	NL
	3/8/2010	6020A	3.12E-03	6.41E-02	2.71E-03	2.22E-03	<0.01	<0.001	1.38E-03	4.49	3.64E-03	835	2.96E-02	0.034
KA 3	10/28/2015	200.7/200.8	<0.005	0.31	<0.006	<0.006	<0.02	<0.0005	0.61	<1.0	<0.01	270	0.012	<0.01
	8/11/2015	200.7/200.8	<0.005	0.24	<0.006	<0.006	<0.02	<0.0025	0.64	<1.0	<0.005	320	0.018	0.28
	6/2/2015	200.7/200.8	<0.01	0.28	<0.006	<0.006	<0.02	<0.01	0.77	<1.0	<0.01	300	0.019	<0.01
	3/10/2015	200.8	0.002	0.25	<0.006	<0.006	<0.02	<0.001	0.69	1.2	<0.01	290	0.018	0.01
	11/11/2014	200.7	NA	NA	NA	NA	NA	NA	NA	<1.0	NA	310	NA	NA
	9/11/2014	200.7/200.8	0.011	0.041	<0.006	<0.006	<0.02	<0.01	<0.002	5.2	0.035	910	0.039	<0.01
	6/5/2014	200.7	NA	NA	NA	NA	NA	NA	NA	5.3	NA	390	NA	NA
	3/10/2014	200.7/200.8	<0.005	0.093	<0.006	<0.006	<0.02	<0.001	0.38	1.1	<0.005	330	0.048	0.012
	11/12/2013	200.7/200.8	3.6E-03	0.18	<0.006	<0.006	<0.02	<0.001	0.37	1.9	9.1E-03	310	0.02	0.011

8.5.3 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
Dissolved Metals Analytical Result Summary

STANDARDS			Arsenic (mg/L)	Barium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.05	1.0	1.0	0.05	0.2	NE	0.05	NE	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.1	1.3	NE	0.015	NE	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00559	0.79	13.8	NE	2.02	NE	0.0987	NE	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	NE	0.08	1.4	0.015	0.43	NE	0.1	NE	0.06	6
Well ID	DATE SAMPLED	METHOD												
KA 3	9/9/2013	200.7/200.8	<0.005	0.15	<0.006	<0.006	<0.02	<0.005	0.37	<1.0	5.6E-03	300	0.011	0.03
	6/12/2013	200.7/200.8	0.003	0.14	<0.006	<0.006	<0.02	<0.001	0.31	2.3	7.7E-03	310	0.015	<0.01
	3/18/2013	200.7/200.8	1.9E-03	0.063	<0.006	<0.006	<0.02	<0.005	0.53	2.5	2.9E-03	260	0.019	0.022
	11/28/2012	200.7/200.8	4.6E-03	0.15	<0.006	<0.006	4.2	4.6E-03	0.61	3.0	8.7E-03	590	0.024	0.021
	8/21/2012	200.7/200.8	3.1E-03	0.17	<0.006	<0.006	<0.02	<0.005	0.39	1.8	4.7E-03	430	0.013	0.022
	6/12/2012	200.7/200.8	3.8E-03	0.094	<0.006	<0.006	0.15	<0.005	0.38	1.6	7.2E-03	450	0.015	0.012
	3/20/2012	200.7/200.8	3.3E-03	0.068	0.011	<0.006	0.35	<0.005	0.35	2.8	8.5E-03	550	0.018	0.033
	12/14/2011	200.7/200.8	3.4E-03	0.31	<0.006	<0.006	0.14	<0.005	0.95	<1.0	2.1E-03	330	4.2E-03	<0.01
	9/27/2011	200.7/200.8	0.006	0.2	<0.006	<0.006	0.083	<0.005	0.89	1.2	5.7E-03	380	6.7E-03	0.018
	6/15/2011	200.7/200.8	0.01	0.063	<0.006	<0.006	<0.02	<0.005	2.6E-03	3.8	0.042	940	0.034	0.044
	3/2/2011	200.7/200.8	6.2E-03	0.024	<0.006	<0.006	0.11	<0.005	0.04	1.6	<0.05	200	0.01	<0.01
	11/2/2010	6010B	<0.1	0.62	<0.006	<0.006	0.32	<0.005	1.4	<1.0	<0.05	330	NL	NL
	9/15/2010	6010B	<0.02	0.47	<0.006	<0.006	0.56	<0.005	1.2	<1.0	<0.05	260	0.001	NL
	6/10/2010	6010B	<0.02	0.078	<0.006	NL	NL	<0.005	NL	4.1	<0.05	NL	NL	NL
	3/8/2010	6020A	9.76E-03	0.344	<0.001	4.28E-03	1.55	<0.001	1.86	1.2	1.02E-03	385	6.96E-03	0.0382

DEFINITIONS

NE = Not established

NA = Not analyzed

NL = Not listed on laboratory analysis

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

40 CFR 141.62 Detection Limits for Inorganic Contaminants

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

EPA Regional Screening Level (RSL) Summary Table

NOTES

1) Was not sampled in September due to low recharge rate.

8.5.4 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

Volatile and Semi-Volatile Organic Compound Analytical Result Summary

STANDARDS			Acenaphthene (mg/L)	Aniline (mg/L)	Benz (a)anthracene (mg/L)	Bis(2-ethylhexyl) phthalate (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	3+4-Methyl phenol (mg/L)	Phenol (mg/L)	1,1-Dichloro ethane (mg/L)	Isopropyl benzene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)	1,2,4- Trimethyl benzene (mg/L)
WQCC 20NMAC 6.2-3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	0.025	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			0.535	NE	NE	0.0556	0.288	NE	NE	NE	0.00165	0.17	NE	5.76	2.75E-02	0.447	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.53	0.013	1.2E-05	0.0056	0.29	1.1E-03	0.036	0.93	1.7E-04	NE	0.93	5.8	2.8E-03	0.45	1	0.66	2	0.015
Well ID	DATE SAMPLED	METHOD																		
NAPIS-1	10/28/2015	8260B	NA	NA	NA	NA	NA	<0.004	<0.004	NA	<0.002	NA								
	8/11/2015	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	6/2/2015	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01								
	3/10/2015	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01								
	11/11/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01								
	9/11/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01								
	6/5/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01								
	3/10/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	11/12/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	9/3/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	6/12/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	3/18/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	12/5/2012 ³	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	8/21/2012	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	6/12/2012	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	3/20/2012	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	1/30/2012	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	12/14/2011	8270C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
	9/27/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	6/15/2011	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	3/2/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	<0.01	<0.01								
	11/2/2010	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	<0.01	<0.01								
	9/15/2010	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	<0.1	<0.01								
	6/8/2010	8310	<0.0025	NL	NL	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.0006								
	3/8/2010	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
NAPIS-2	10/28/2015	8260B	NA	NA	NA	NA	NA	0.0061	<0.004	NA	0.0029	NA	NA	NA	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001
	8/11/2015	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	3.3E-03	<0.01	<0.01	<0.01	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001
	6/2/2015	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA
	3/10/2015	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA
	11/1/2014	8270C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	NA	NA	NA	NA	NA
	9/11/2014	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.001	1.1E-03	<0.003	1.7E-03	<0.001	<0.001
	6/5/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA
	3/10/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA
	11/12/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA
	9/3/2013	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	9.4E-03	<0.004	<0.01	4.8E-03	<0.01	<0.01	<0.01	<0.001	2.8E-03	<0.003	2.2E-03	1.5E-03	1.7E-03 ⁴
	6/12/2013	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA
	3/18/2013	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA
	12/5/2012 ³	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	NA
	8/21/2012	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.015	<0.005	<0.005	NA
	6/12/2012	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.016	NA	NA	NA	NA	NA
	3/20/2012	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	0.015	<0.01	0.015	<0.01	<0.01	0.034 ¹	0.078 ¹	NA	NA	NA	NA	NA	NA
	12/14/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01			NA	NA	NA	NA	NA	NA
	9/27/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	0.012	<0.01	<0.01	0.011	<0.01			NA	NA	NA	NA	NA	NA
	6/15/2011	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01			0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	3/2/2011	8270C	<0.01	<0.01	<0.01	0.01	0.012	NL	<0.01	<0.01	0.015	<0.01			NA	NA	NA	NA	NA	NA
	11/2/2010	8270C	0.01	<0.01	<0.01	<0.01	0.011	NL	<0.01	<0.01	<0.01	<0.01			NA	NA	NA	NA	NA	NA
	9/15/2010	8270C	<0.01	<0.01	<0.01	<0.01	<0.05	NL	<0.01	<0.01	<0.01	<0.01			NA	NA	NA	NA	NA	NA
	6/10/2010	8310	<0.0025	NL	<0.00007	NL	0.011	0.033	<0.002	NL	0.089	0.005			NA	NA	NA	NA	NA	NA
	3/8/2010	8270C/8260B	<0.05	<0.05	<0.05	<0.05	<0.05	NL	<0.05	<0.05	3.6E-03	<0.05			2.8E-03	2.8E-03	1.4E-03	4.2E-03	0.002	NA

8.5.4 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

Volatile and Semi-Volatile Organic Compound Analytical Result Summary

STANDARDS			Acenaphthene (mg/L)	Aniline (mg/L)	Benz (a)anthracene (mg/L)	Bis(2-ethylhexyl) phthalate (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	3+4-Methyl phenol (mg/L)	Phenol (mg/L)	1,1-Dichloro ethane (mg/L)	Isopropyl benzene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)	1,2,4- Trimethyl benzene (mg/L)
WQCC 20NMAC 6.2-3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	0.025	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			0.535	NE	NE	0.0556	0.288	NE	NE	NE	0.00165	0.17	NE	5.76	2.75E-02	0.447	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.53	0.013	1.2E-05	0.0056	0.29	1.1E-03	0.036	0.93	1.7E-04	NE	0.93	5.8	2.8E-03	0.45	1	0.66	2	0.015
Well ID	DATE SAMPLED	METHOD																		
NAPIS 3	10/28/2015	8260B	NA	NA	NA	NA	NA	<0.001	<0.001	NA	<0.002	NA								
	8/11/2015	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
NAPIS 3	6/2/2015	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	3/10/2015	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
NAPIS 3	11/13/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	9/14/2015	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01								
NAPIS 3	6/5/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01								
	3/10/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
NAPIS 3	11/12/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	9/3/2013	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
NAPIS 3	6/12/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	3/18/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
NAPIS 3	12/5/2012 ¹	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	10/2/2012 ²	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
NAPIS 3	6/12/2012	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	3/20/2012	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
NAPIS 3	12/14/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	9/27/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
NAPIS 3	6/15/2011	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.004	<0.01	<0.01	<0.01								
	3/2/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	<0.01								
NAPIS 3	11/2/2010	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	<0.01								
	9/15/2010	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
NAPIS 3	6/10/2010	8310	<0.005	NL	NL	NL	4.9E-03	0.05	<0.002	NL	0.045	4.5E-03								
	3/8/2010	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	<0.01	<0.01								
KA 3	10/28/2015	8260B	NA	NA	NA	NA	NA	<0.004	<0.004	NA	<0.002	NA								
	8/11/2015	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
KA 3	6/2/2015	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	3/10/2015	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
KA 3	11/11/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	9/11/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01								
KA 3	6/5/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01								
	3/10/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
KA 3	11/12/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	9/3/2013	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
KA 3	6/12/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	3/18/2013	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
KA 3	12/5/2012 ³	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	8/21/2012	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
KA 3	6/12/2012	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	3/20/2012	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
KA 3	12/14/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.035	<0.01	<0.01	0.019								
	9/27/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
KA 3	6/15/2011	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	3/2/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	<0.01								
KA 3	11/2/2010	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	0.013								
	9/15/2010	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	0.011								
KA 3	6/10/2010	8310	<0.005	NL	<0.00007	NL	8.0E-04	<0.002	<0.002	4.5E-03	<0.002	<0.0006								
	3/8/2010	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	<0.01	<0.01								

DEFINITIONS

NE = Not established

NA = Not analyzed

NL = Not listed on laboratory analysis

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2-3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

8.6.3 LEAK DETECTION UNITS (East LDU, West LDU, Oil Sump LDU)
Volatile Organic Compound Analytical Result Summary

			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	Isopropyl benzene (mg/L)	4-Methyl-2- pentanone (mg/L)	n-Propyl benzene (mg/L)	2- Butanone (mg/L)	1-Methyl naphthalene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			NE	NE	0.00165	NE	14.1	0.447	NE	NE	5.56	NE
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	1.7E-04	0.0036	14	0.45	NE	0.66	5.6	0.0011
SAMPLE ID	DATE SAMPLED	METHOD										
East LDU ³	10/29/2015	8260B	0.31	0.22	0.17	0.069	<0.1	0.026	NA	0.036	<0.1	0.049
	8/11/2015	8260B	0.74	0.24	0.16	0.097	<0.2	0.032	<0.2	0.045	0.46	<0.08
	6/3/2015	8260-Short List	0.96	0.3	NA	NA	NA	NA	NA	NA		
	3/10/2014	8021B	5.8	1.9	NA	NA	NA	NA	NA	NA		
	6/12/2013	8021B	0.8	0.28	NA	NA	NA	NA	NA	NA		
	3/18/2013	8021B	0.9	0.29	NA	NA	NA	NA	NA	NA		
	11/28/2012	8021B	NA	NA	NA	NA	NA	NA	NA	NA		
	8/21/2012	8021B	0.84	0.28	NA	NA	NA	NA	NA	NA		
	6/12/2012	8021B	0.94	0.3	NA	NA	NA	NA	NA	NA		
	6/15/2011	8260B	0.54	0.16	0.11	0.095	<0.2	0.023	0.23	0.044		
	11/11/2010	8260B	NA	NA								
	9/20/2010	8021B	0.81	0.26								
West LDU ²	10/29/2015	8260B	0.048	<0.01	0.036	0.047	0.18	<0.01	<0.1	<0.1		
	8/11/2015	8260B	0.076	<0.02	0.056		<0.08	<0.2	<0.02	<0.02		
	3/10/2015	8021B	0.091	0.037	NA	NA	NA	NA	NA	NA		
	9/11/2014	8021B	0.41	0.15	NA	NA	NA	NA	NA	NA		
	6/3/2014	8021B	0.76	0.25	NA	NA	NA	NA	NA	NA		
	3/10/2014	8021B	0.57	0.19	NA	NA	NA	NA	NA	NA		
	9/5/2013	8021B	1.8	0.62	NA	NA	NA	NA	NA	NA		
	6/12/2013	8021B	0.69	0.23	NA	NA	NA	NA	NA	NA		
	3/18/2013	8021B	0.61	0.21	NA	NA	NA	NA	NA	NA		
	11/28/2012	8021B	NA	NA	NA	NA	NA	NA	NA	NA		
	8/21/2012	8021B	0.55	0.24	NA	NA	NA	NA	NA	NA		
	6/12/2012	821B	0.81	0.26	NA	NA	NA	NA	NA	NA		
	6/15/2011	8260B	0.041	0.015	<0.02	<0.04	<0.1	<0.01	<0.1	<0.01		
	11/11/2010	8260B	NA	NA								
	9/20/2010	8021B	0.34	0.1								
Oil Sump LDU ¹	6/12/2013	8021B	0.8	0.25	NA	NA	NA	NA	NA	NA		
	3/18/2013	8021B	0.74	0.23	NA	NA	NA	NA	NA	NA		
	11/28/2012	8021B	NA	NA	NA	NA	NA	NA	NA	NA		
	8/21/2012	8021B	0.85	0.27	NA	NA	NA	NA	NA	NA		
	6/12/2012	8021B	0.9	0.28	NA	NA	NA	NA	NA	NA		
	6/15/2011	8260B	0.5	<0.2	<0.4	<0.8	5.3	<0.2	<2.0	<0.2		
	11/11/2010	8260B	NA	NA								
	9/20/2010	8021B	12	4.6								

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Oil Sump LDU - Dry - 2013 Third and fourth Quarters. 2014 and 2015 - dry.

2) West LDU - 2014 - fourth quarter - not enough water to collect samples (West bay out of service). 2015 - Second Quarter - not enough water to collect samples.

3) East LDU - No samples collected third quarter 2014.

8.6 LEAK DETECTION UNITS (East LDU, West LDU, Oil Sump LDU)
BTEX and DRO/GRO Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014	NE	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD								
East LDU ³	10/29/2015	8260B/8015D	0.56	0.044	0.25	1.1	0.022	24	5.5	<5.0
	8/11/2015	8260B/8015D	1.2	1.1	0.34	1.7	<0.02	19	15	<5.0
	6/3/2015	8260B/8015D	1.2	1	0.43	2	<0.02	17	0.54	<5.0
	3/10/2015	8021B/8015D	1.3	0.46	0.47	1.9	<0.05	26	9.4	<5.0
	11/11/2014	8021B/8015B	1.7	4.8	0.72	8.2	<0.5	17	38	NL
	6/3/2014	8021B/8015B	8.9	21	2.3	19	<0.5	29	130	<5.0
	3/10/2014	8021B/8015B	9.8	27	3.8	25	<0.5	310	200	<50
	11/12/2013	8021B/8015B	0.19	0.17	0.13	5.6	<0.5	410	32	NA
	6/12/2013	8021B/8015B	9.4	2.2	0.51	6.1	<0.5	18	38	<5.0
	3/18/2013	8021B/8015B	12	4.6	0.61	7.0	<0.5	28	50	<5.0
	11/28/2012	8021B/8015B	1.1	0.89	0.51	6.7	<0.25	19	27	<5.0
	8/21/2012	8021B/8015B	1.2	0.33	0.46	5.7	<0.25	10	17	<5.0
	6/12/2012	8021B/8015B	1.3	1.1	0.46	6.3	<0.25	27	24	<5.0
	3/20/2012	8021B/8015B	1.4	3.1	0.56	8.0	<0.5	30	31	<5.0
	12/14/2011	8021B/8015B	1.8	4.2	0.56	6.7	<0.25	33	33	<5.0
	9/26/2011	8021B/8015B	2.8	7.2	0.68	7.0	<0.13	34	43	<50
	6/15/2011	8260B/8015B	1.8	0.28	0.32	3.8	<0.02	27	13	<5.0
	3/3/2011	8021B/8015B	2.6	7.2	0.45	3.9	<0.5	35	83	<5.0
	11/11/2010	8021B/8015B	10	28	1.3	9.0	<0.05	63	100	
	9/20/2010	8021B/8015B	10	20	1.1	8.1	<0.13	120	100	
	3/18/2010	8021B/8015B	9.1	17	1.4	9.9	NL	16000	120	
West LDU ²	10/29/2015	8260B/8015D	0.5	0.19	0.03	0.29	<0.01	12	3	<5.0
	8/11/2015	8260B/8015D	2.7	0.74	0.083	0.44	<0.02	9.9	11	<5.0
	6/3/2015	8260B/8015D	Not enough water to collect samples							
	3/10/2015	8021B/8015D	0.45	0.086	0.085	0.2	<0.012	12	2.7	<5.0
	9/11/2014	8021B/8015B	0.87	0.3	0.11	0.94	<0.12	6.6	6.7	<5.0
	6/3/2014	8021B/8015B	0.52	0.035	0.18	2.8	<0.05	8.0	12	<5.0
	3/10/2014	8021B/8015B	0.7	0.14	0.17	3.3	<0.25	14	13	<5.0
	11/12/2013	8021B/8015B	2.8	3.7	0.31	6.0	<0.25	17	30	NA
	9/5/2013	8021B/8015B	1.5	3.1	0.28	7.8	<0.25	110	47	<50
	6/12/2013	8021B/8015B	6.0	3.0	0.49	5.2	<0.25	4.7	31	<5.0
	3/18/2013	8021B/8015B	3.9	0.42	0.38	4.0	<0.25	2.6	20	<5.0
	11/28/2012	8021B/8015B	2.0	1.9	0.57	5.1	<0.25	5.7	25	<5.0
	8/21/2012	8021B/8015B	1.8	3.2	0.66	3.1	<0.25	4.0	18	<5.0
	6/12/2012	8021B/8015B	1.4	3.5	0.41	5.7	<0.25	9.0	27	<5.0
	3/20/2012	8021B/8015B	1.6	6.0	0.69	7.6	<0.012	6.9	42	<5.0
	12/14/2011	8021B/8015B	2.3	8.3	0.83	7.2	<0.25	22	45	<5.0
	9/26/2011	8021B/8015B	3.6	9.3	0.59	5.5	<0.025	14	45	<5.0
	6/15/2011	8260B/8015B	0.094	0.33	0.029	0.26	<0.01	13	2.2	<5.0
	3/3/2011	8021B/8015B	6.1	17	0.92	7.9	<0.5	15	40	<5.0

8.6 LEAK DETECTION UNITS (East LDU, West LDU, Oil Sump LDU)
BTEX and DRO/GRO Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014	NE	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD								
Oil Sump LDU ¹	11/11/2010	8021B/8015B	7.0	18	0.9	6.1	<0.001	16	67	
	9/20/2010	8021B/8015B	3.1	5.8	0.36	2.9	<0.0025	9.0	26	
	3/18/2010	8021B/8015B	2.7	4.2	0.19	1.4	NL	16	24	
	6/12/2013	8021B/8015B	4.5	9.5	0.72	6.3	<0.5	17	42	<5.0
	3/18/2013	8021B/8015B	5.1	8.8	0.71	5.5	<0.5	20	40	<5.0
	11/28/2012	8021B/8015B	2.7	6.6	0.57	5.4	<0.5	13	37	<5.0
	8/21/2012	8021B/8015B	1.8	6.0	0.59	5.5	<0.5	8.8	28	<5.0
	6/12/2012	8021B/8015B	2.1	6.2	0.59	5.1	<0.5	18	36	<5.0
	3/20/2012	8021B/8015B	2.0	8.1	0.89	6.9	<0.5	42	45	<5.0
	12/14/2011	8021B/8015B	3.4	7.5	0.76	7.4	<0.5	14	52	<5.0
	9/26/2011	8021B/8015B	3.5	10	0.76	6.4	<0.5	18	49	<5.0
	6/15/2011	8260B/8015B	3.0	7.1	0.48	3.9	<0.2	20	38	<5.0
	3/3/2011	8021B/8015B	5.6	13	1.2	7.9	<0.5	680	120	<15
	11/11/2010	8021B/8015B	8.8	19	1.6	10	<0.2	390	110	
	9/20/2010	8021B/8015B	9.4	29	6.1	40	<0.5	1400	650	
	3/18/2010	8021B/8015B	5.6	33	6.4	38	<0.95	35	69	

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Oil Sump LDU - Dry - 2013 Third and fourth Quarters. 2014 and 2015 - dry.

2) West LDU - 2014 - fourth quarter - not enough water to collect samples (West bay out of service). 2015 - Second Quarter - not enough water to collect samples.

3) East LDU - No samples collected third quarter 2014.

8.6.1 LEAK DETECTION UNITS (East LDU, West LDU, Oil Sump LDU)
Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	6.3E-04	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
East LDU ³	10/29/2015	200.7/200.8	5.2E-03	0.21	<0.002	0.74	<0.006	0.051	<0.005	3.3	2.9E-03	<0.0002	<0.005	<0.01
	8/11/2015	200.7/200.8	<0.05	0.31	<0.002	0.95	<0.006	0.29	<0.025	2.7	<0.05	<0.0002	<0.025	0.016
	6/3/2015	200.7/200.8	8.9E-03	0.34	<0.002	0.94	<0.006	0.84	<0.025	3	<0.005	<0.0002	<0.0025	<0.01
	3/10/2015	200.7/200.8	4.7E-03	0.16	<0.002	0.85	<0.006	3.0	<0.001	6.5	2.4E-03	<0.0002	1.3E-03	0.054
	11/11/2014	200.7/200.8	1.5E-03	0.12	<0.002	0.22	<0.006	19	<0.001	5.4	<0.001	<0.0002	<0.001	0.18
	6/3/2014	200.7/200.8	0.019	0.33	<0.002	0.54	<0.006	1.1	<0.005	1.5	<0.005	<0.0002	<0.005	0.027
	3/10/2014	200.7/200.8	9.3E-03	0.2	<0.002	0.71	<0.006	4.4	<0.005	3.1	<0.005	2.2E-04	<0.005	0.12
	11/12/2013	200.7/200.8	0.012	0.35	<0.01	0.44	<0.03	0.32	<0.005	0.26	6.3E-03	<0.0002	<0.005	<0.05
	6/12/2013	200.7/200.8	0.007	0.56	<0.002	0.72	<0.006	0.091	<0.005	0.56	8.1E-03	<0.0002	<0.005	<0.01
	3/18/2013	200.7/200.8	5.9E-03	0.48	<0.002	0.76	<0.006	0.09	<0.005	0.62	2.7E-03	<0.0002	<0.0025	<0.01
	11/28/2012	200.7/200.8	9.5E-03	0.53	<0.002	0.71	<0.006	0.23	<0.005	1.1	3.6E-03	<0.0002	<0.0025	<0.01
	8/21/2012	200.7/200.8	9.4E-03	0.67	<0.002	0.51	<0.006	0.099	<0.005	1.2	<0.05	<0.0002	<0.0025	<0.01
	6/12/2012	200.7/200.8	9.9E-03	0.6	<0.002	0.31	<0.006	0.17	<0.005	1.2	6.5E-03	<0.001	<0.005	<0.01
	3/20/2012	200.7/200.8	3.2E-03	0.44	<0.002	0.11	<0.006	2.3	<0.005	0.58	2.6E-03	<0.0002	<0.0025	0.064
	12/14/2011	200.7/200.8	8.2E-03	0.34	<0.002	0.14	<0.006	0.54	<0.005	0.42	<0.0025	<0.0002	<0.0025	0.018
	9/26/2011	200.7/200.8	3.9E-03	0.59	<0.002	0.12	<0.006	0.58	<0.005	0.56	<0.0025	<0.0002	<0.0025	0.036
	6/15/2011	200.7/200.8	0.027	0.94	<0.002	0.14	0.13	31	0.047	1.3	0.037	<0.0002	<0.0025	3.3
	3/3/2011	200.7/200.8	5.8E-03	0.48	<0.002	0.035	<0.006	0.57	<0.005	0.39	<0.05	<0.0002	<0.0025	0.014
	11/11/2010	6010B	<0.1	0.94	<0.01	0.12	<0.03	1.1	<0.025	1.6	<0.25	<0.0002	<0.001	<0.1
	9/20/2010	6010B	<0.02	0.54	<0.002	0.039	<0.006	7.6	<0.005	0.8	<0.05	<0.0008	<0.005	0.21
	3/18/2010	6010B	<0.1	1.3	<0.01	0.25	0.073	24	<0.025	2.0	<0.25	<0.0008	<0.001	1.3
West LDU ²	10/29/2015	200.7/200.8	0.005	0.57	<0.002	1.2	<0.006	0.64	5.5E-04	0.7	<0.005	<0.0002	5.8E-04	0.027
	8/11/2015	200.7/200.8	<0.02	0.6	<0.002	1.4	<0.006	1.9	<0.1	1.2	<0.02	<0.0002	<0.01	0.081
	3/10/2015	200.7/200.8	4.6E-03	0.43	<0.002	0.76	<0.006	7.1	1.6E-03	3.3	4.6E-03	<0.0002	1.2E-03	0.21
	9/11/2014	200.7/200.8	3.1E-03	0.52	<0.002	0.28	<0.006	5.1	0.0013	0.7	3.4E-03	<0.0002	<0.001	0.57
	6/3/2014	200.7/200.8	<0.005	0.15	<0.002	0.058	<0.006	16	<0.005	2.0	<0.005	<0.0002	<0.005	0.5
	3/10/2014	200.7/200.8	<0.005	0.069	<0.002	0.15	<0.006	9.0	<0.001	3.8	<0.005	<0.0002	<0.001	0.68
	11/12/2013	200.7/200.8	9.9E-03	0.18	<0.002	0.16	<0.006	0.34	<0.005	1.4	0.014	<0.0002	<0.005	0.032
	9/5/2013	200.7/200.8	8.8E-03	0.23	<0.002	0.32	<0.006	37	<0.005	2.0	<0.02	<0.0002	<0.005	1.1
	6/12/2013	200.7/200.8	5.3E-03	0.22	<0.002	0.036	<0.006	0.31	<0.005	0.29	9.7E-03	<0.0002	<0.005	<0.01
	3/18/2013	200.7/200.8	3.6E-03	0.15	<0.002	0.046	<0.006	0.71	<0.005	0.32	<0.0025	<0.0002	<0.0025	0.026
	11/28/2012	200.7/200.8	3.1E-03	0.17	<0.002	0.079	<0.006	0.72	<0.005	0.57	<0.0025	<0.0002	<0.0025	0.016
	8/21/2012	200.7/200.8	<0.0025	0.4	<0.002	0.036	<0.006	0.26	<0.005	0.22	<0.05	<0.0002	<0.0025	<0.01
	6/12/2012	200.7/200.8	3.8E-03	0.36	<0.002	0.02	<0.006	0.16	<0.005	0.2	4.9E-03	<0.001	<0.0025	<0.01
	3/20/2012	200.7/200.8	2.8E-03	0.21	<0.002	0.011	<0.006	1.3	<0.005	0.22	3.5E-03	<0.0002	<0.0025	0.014
	12/14/2011	200.7/200.8	0.011	1.4	<0.002	0.082	0.045	9.1	0.016	0.34	<0.005	3.6E-03	<0.0025	0.87
	9/26/2011	200.7/200.8	4.1E-03	0.23	<0.002	0.072	<0.006	1.5	<0.005	0.89	4.8E-03	2.7E-04	<0.0025	0.064
	6/15/2011	200.7/200.8	0.012	0.65	<0.002	0.093	<0.006	1.3	<0.005	1.1	0.025	<0.0002	<0.0025	0.061
	3/3/2011	200.7/200.8	8.3E-03	0.49	<0.002	0.08	<0.006	4.1	<0.005	1.3	<0.05	<0.0002	<0.0025	0.067
	11/11/2010	6010B	<0.02	0.5	<0.002	0.15	<0.006	0.66	<0.005	0.68	<0.05	<0.0002	<0.001	<0.02
	9/20/2010	6010B	<0.02	0.27	<0.002	0.067	<0.006	0.31	NL	0.84	<0.05	<0.0002	<0.05	<0.02
	3/18/2010	6010B	<0.02	0.2	<0.002	2.4	<0.006	5.3	<0.005	3.1	<0.05	<0.0008	<0.001	<0.05

8.6.1 LEAK DETECTION UNITS (East LDU, West LDU, Oil Sump LDU)

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	6.3E-04	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
Oil Sump LDU ¹	6/12/2013	200.7/200.8	0.018	0.43	<0.002	0.12	<0.006	0.42	<0.005	1.1	0.015	<0.0002	<0.005	0.022
	3/18/2013	200.7/200.8	0.018	0.33	<0.002	0.11	<0.006	0.61	<0.005	1.1	4.9E-03	<0.0002	<0.0025	0.03
	11/28/2012	200.7/200.8	0.011	0.34	<0.002	0.085	<0.006	0.8	<0.005	1.1	4.6E-03	<0.0002	<0.0025	0.041
	8/21/2012	200.7/200.8	0.011	0.45	<0.002	0.069	<0.006	0.86	<0.005	1.1	<0.05	<0.0002	<0.0025	0.055
	6/12/2012	200.7/200.8	0.017	0.56	<0.002	0.052	0.018	5.8	8.6E-03	0.84	9.7E-03	3.1E-03	<0.005	0.43
	3/20/2012	200.7/200.8	0.02	0.52	<0.002	0.048	9.3E-03	4.5	6.5E-03	0.82	0.012	1.7E-03	<0.0025	0.22
	12/14/2011	200.7/200.8	0.012	0.24	0.002	0.034	<0.006	0.59	<0.005	0.37	0.004	<0.0002	<0.0025	0.018
	9/26/2011	200.7/200.8	0.031	1.8	2.20E-03	0.16	0.62	120	0.2	0.93	7.2E-03	7.7E-03	2.6E-03	11
	6/15/2011	200.7/200.8	6.5E-03	0.5	<0.01	0.039	<0.03	0.38	<0.025	0.35	0.004	<0.0002	<0.0025	<0.05
	3/3/2011	200.7/200.8	9.8E-03	0.62	<0.002	0.072	<0.006	9.4	5.6E-03	0.81	<0.05	2.4E-03	<0.0025	0.47
	11/10/2010	6010B	<0.1	7.2	<0.01	0.18	0.25	150	0.11	2.3	<0.25	0.017	<0.004	7.9
	9/20/2010	6010B	<0.1	15	<0.01	0.23	0.59	130	0.24	1.6	<0.25	0.011	0.016	13
	3/18/2010	6010B	<2.0	<2.0	<0.2	1.1	4.5	NL	1.7	3.3	<5.0	<0.004	4.61E-02	88

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Oil Sump LDU - Dry - 2013 Third and fourth Quarters. 2014 and 2015 - dry.

2) West LDU - 2014 - fourth quarter - not enough water to collect samples (West bay out of service). 2015 - Second Quarter - not enough water to collect samples.

3) East LDU - No samples collected third quarter 2014.

8.6.2 LEAK DETECTION UNITS (East LDU, West LDU, Oil Sump LDU)

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
East LDU ³	10/29/2015	200.7/200.8	5.2E-03	0.21	<0.002	0.74	<0.006	0.051	<0.005	3.3	2.9E-03	<0.005	<0.005	<0.01
	8/11/2015	200.7/200.8	<0.05	0.29	<0.002	0.88	<0.006	0.026	<0.05	2.8	<0.05	<0.005	<0.05	<0.01
	6/3/2015	200.7/200.8	<0.01	0.28	<0.002	0.86	<0.006	0.086	<0.05	2.6	0.044	<0.005	<0.01	<0.01
	3/10/2015	200.7/200.8	4.7E-03	0.14	<0.002	0.8	<0.006	0.5	<0.001	6.4	2.4E-03	<0.005	1.3E-03	0.028
	11/11/2014	200.7/200.8	1.3E-03	0.074	<0.002	0.18	<0.006	1.4	<0.001	4.9	<0.001	<0.005	<0.001	<0.01
	6/3/2014	200.7/200.8	0.021	0.32	<0.002	0.52	<0.006	0.025	<0.005	1.5	0.056	<0.005	<0.005	0.021
	3/10/2014	200.7/200.8	<0.01	0.19	<0.002	0.71	<0.006	2.9	<0.01	3.0	0.051	<0.005	<0.01	0.11
	11/12/2013	200.7/200.8	9.7E-03	0.34	<0.002	0.44	<0.006	0.08	<0.005	0.25	7.8E-03	<0.005	<0.005	0.019
	6/12/2013	200.7/200.8	6.3E-03	0.56	<0.002	0.69	<0.006	0.049	<0.005	0.56	0.02	<0.005	<0.005	<0.01
	3/18/2013	200.7/200.8	6.3E-03	0.45	<0.002	0.77	<0.006	0.047	5.2E-03	0.62	5.6E-03	<0.005	<0.001	<0.01
	11/28/2012	200.7/200.8	0.01	0.51	<0.002	0.69	<0.006	0.055	<0.005	1.0	0.015	<0.005	<0.02	0.025
	8/21/2012	200.7/200.8	6.2E-03	0.62	<0.002	0.46	<0.006	0.044	<0.005	1.2	<0.05	<0.005	<0.001	<0.01
	6/12/2012	200.7/200.8	5.1E-03	0.59	<0.002	0.28	<0.006	0.062	<0.005	1.1	9.2E-03	<0.005	<0.005	0.011
	3/20/2012	200.7/200.8	<0.005	0.42	<0.002	0.11	<0.006	0.9	<0.005	0.6	<0.005	<0.005	<0.005	0.035
	12/14/2011	200.7/200.8	3.5E-03	0.31	<0.002	0.12	<0.006	0.21	<0.005	0.39	1.8E-03	<0.005	<0.001	<0.01
	9/26/2011	200.7/200.8	3.6E-03	0.58	<0.002	0.11	<0.006	0.057	<0.005	0.55	1.9E-03	<0.005	<0.001	0.026
	6/15/2011	200.7/200.8	0.016	0.11	<0.01	0.11	<0.03	1.2	<0.025	1.2	0.037	<0.025	<0.01	<0.05
	3/3/2011	200.7/200.8	<0.005	0.48	<0.002	0.034	<0.006	0.11	<0.005	0.38	<0.05	<0.005	<0.005	<0.01
	11/11/2010	6010B	<0.02	0.33	<0.002	0.046	<0.006	0.16	<0.005	0.59	<0.05	<0.005	<0.001	<0.05
	9/20/2010	6010B	<0.02	0.31	<0.002	0.033	<0.006	0.14	<0.005	0.73	<0.05	<0.005	<0.005	<0.05
	3/18/2010	6010B	<0.04	0.21	<0.004	0.22	<0.012	0.86	<0.01	2.0	<0.1	<0.01	<0.001	<0.1
West LDU ²	10/29/2015	200.7/200.8	5.6E-03	0.6	<0.002	1.2	<0.006	0.086	<0.005	0.79	8.2E-03	<0.005	<0.01	<0.01
	8/11/2015	200.7/200.8	<0.05	0.41	<0.002	1.2	<0.006	0.21	<0.025	0.55	<0.05	<0.005	<0.025	<0.01
	3/10/2015	200.7/200.8	3.3E-03	0.27	<0.002	0.66	<0.006	0.42	<0.005	1.3	5.2E-03	<0.005	<0.005	0.033
	9/11/2014	200.7/200.8	<0.005	0.49	<0.002	0.27	<0.006	1.3	<0.01	0.6	<0.005	<0.005	<0.01	0.26
	6/3/2014	200.7/200.8	<0.002	0.082	<0.002	0.043	<0.006	0.92	<0.001	1.9	2.7E-03	<0.005	0.0011	0.022
	3/10/2014	200.7/200.8	<0.001	0.061	<0.002	0.11	<0.006	2.6	<0.001	3.6	2.3E-03	<0.005	<0.001	0.088
	11/12/2013	200.7/200.8	0.01	0.17	<0.002	0.14	<0.006	0.093	<0.005	1.3	0.044	<0.005	<0.005	0.023
	9/5/2013	200.7/200.8	8.6E-03	0.23	<0.002	0.28	<0.006	29	<0.005	2.0	0.015	<0.025	<0.005	0.35
	6/12/2013	200.7/200.8	<0.01	0.22	<0.002	0.036	<0.006	0.19	<0.01	0.29	0.11	<0.005	<0.01	<0.01
	3/18/2013	200.7/200.8	<0.005	0.13	<0.002	0.04	<0.006	0.07	<0.005	0.3	0.013	<0.005	<0.005	<0.01
	11/28/2012	200.7/200.8	<0.005	0.16	<0.002	0.071	<0.006	0.38	<0.005	0.55	0.013	<0.005	<0.05	0.04
	8/21/2012	200.7/200.8	0.002	0.38	<0.002	0.032	<0.006	0.15	<0.005	0.21	<0.05	<0.005	<0.001	0.014
	6/12/2012	200.7/200.8	<0.005	0.35	<0.002	0.019	<0.006	0.09	<0.005	0.2	7.5E-03	<0.005	<0.005	<0.01
	3/20/2012	200.7/200.8	1.8E-03	0.21	<0.002	0.013	<0.006	0.61	<0.005	0.22	3.8E-03	<0.005	<0.001	0.02
	12/14/2011	200.7/200.8	7.1E-03	0.3	<0.002	0.066	<0.006	1.3	<0.005	0.31	<0.005	<0.005	<0.005	0.04
	9/26/2011	200.7/200.8	4.4E-03	0.21	NL	0.067	<0.006	0.14	<0.005	0.86	7.5E-03	<0.005	<0.001	0.013
	6/15/2011	200.7/200.8	0.013	0.61	<0.01	0.091	<0.03	0.33	<0.025	1.1	0.031	<0.025	<0.005	<0.05
	3/3/2011	200.7/200.8	<0.005	0.46	<0.002	0.077	<0.006	2.1	<0.005	1.3	<0.05	<0.005	<0.005	0.012
	11/11/2010	6010B	<0.02	0.56	<0.002	0.18	<0.006	0.22	<0.005	0.81	<0.05	<0.005	<0.001	<0.05

8.6.2 LEAK DETECTION UNITS (East LDU, West LDU, Oil Sump LDU)

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
Oil Sump LDU ¹	9/20/2010	6010B	<0.02	0.25	<0.002	0.062	<0.006	0.12	<0.005	0.81	<0.05	<0.005	<0.005	<0.05
	3/18/2010	6010B	<0.1	0.16	<0.01	2.3	<0.03	3.2	<0.025	2.9	<0.25	<0.025	<0.001	<0.25
	6/12/2013	200.7/200.8	<0.02	0.43	<0.002	0.11	<0.006	0.13	<0.02	1.2	0.074	<0.005	<0.02	<0.01
	3/18/2013	200.7/200.8	0.011	0.29	<0.002	0.1	<0.006	0.15	<0.005	1.1	0.013	<0.005	<0.05	0.026
	11/28/2012	200.7/200.8	0.014	0.32	<0.002	0.08	<0.006	0.37	<0.005	1.1	0.013	<0.005	<0.02	0.06
	8/21/2012	200.7/200.8	0.011	0.4	<0.002	0.061	<0.006	0.19	<0.005	1.1	<0.05	<0.005	<0.001	0.015
	6/12/2012	200.7/200.8	9.5E-03	0.35	<0.002	0.046	<0.006	0.51	<0.005	0.83	0.012	<0.005	<0.005	0.016
	3/20/2012	200.7/200.8	0.007	0.23	<0.002	0.047	<0.006	0.33	<0.005	0.79	0.02	<0.005	<0.005	0.024
	12/14/2011	200.7/200.8	6.2E-03	0.23	<0.002	0.03	<0.006	0.28	<0.005	0.35	0.011	<0.005	<0.001	0.015
	9/26/2011	200.7/200.8	6.2E-03	0.24	<0.002	0.058	<0.006	0.1	<0.005	0.53	0.011	<0.005	<0.001	0.015
	6/15/2011	200.7/200.8	4.8E-03	0.46	<0.01	0.033	<0.03	<0.1	<0.025	0.33	4.1E-03	<0.025	<0.002	<0.05
	3/3/2011	200.7/200.8	<0.005	0.049	<0.002	0.054	<0.006	2.4	<0.005	0.75	0.071	<0.005	<0.005	0.01
	11/10/2010	6010B	<0.02	0.19	<0.002	0.037	<0.006	0.15	7.5E-03	1.2	<0.05	<0.005	<0.001	<0.05
	9/20/2010	6010B	<0.02	0.32	<0.002	0.03	<0.006	0.12	5.6E-03	1.1	<0.05	<0.005	<0.025	<0.05

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Oil Sump LDU - Dry - 2013 Third and fourth Quarters. 2014 and 2015 - dry.

2) West LDU - 2014 - fourth quarter - not enough water to collect samples (West bay out of service). 2015 - Second Quarter - not enough water to collect samples.

3) East LDU - No samples collected third quarter 2014.

8.7 OAPIS-1

BTEX Analytical Result Summary

			Parameters				
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	1.5E-03	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
OAPIS-1	10/29/2015	8260B	0.13	<0.01	0.016	<0.015	0.26
	8/11/2015	8260B	0.14	<0.005	0.015	<0.0075	0.29
	6/2/2015	8260B	0.09	<0.001	0.009	4.3E-03	0.28
	3/10/2015	8260B	0.065	<0.005	5.4E-03	<0.0075	0.29
	11/11/2014	8260B	0.15	<0.005	0.01	<0.0075	0.4
	9/12/2014	8260B	0.12	<0.005	0.013	<0.0075	0.32
	6/5/2014	8260B	0.096	<0.002	0.01	4.9E-03	0.36
	3/10/2014	8260B	0.07	<0.001	6.8E-03	3.3E-03	0.45
	11/11/2013	8260B	0.089	<0.001	0.01	2.9E-03	0.43
	9/3/2013	8260B	0.081	<0.005	0.012	<0.0075	0.42
	6/12/2013	8260B	0.071	<0.002	0.01	3.3E-03	0.51
	3/18/2013	8260B	0.027	<0.005	<0.005	7.5E-03	0.42

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.7.1 OAPIS-1

General Chemistry and DRO/GRO Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	600.0	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	NE	1.0	10	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.2	NE	NE	1.97	31.6	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	NE	2	32	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD									
OAPIS-1	10/29/2015	300.0/8015D	1.6	1800	4.7	<1.0	<1.0	18	7.1	0.8	<5.0
	8/11/2015	300.0/8015D	1.4	2000	5.7	<1.0	<1.0	20	3.7	0.86	<5.0
	6/3/2015	300.0/8015D	1.9	1800	5.4	<2.0	<2.0	26	4.4	NA	<5.0
	3/10/2015	300.0/8015D	1.4	1800	5.3	<0.5	<0.5	30	6.5	0.56	<5.0
	11/11/2014	300.0/8015D	1.9	1700	4.8	<2.0	<2.0	23	9.2	0.79	<5.0
	9/12/2014	300.0/8015D	14.2	1700	4.8	<1.0	<1.0	22	6.8	0.75	<5.0
	6/5/2014	300.0/8015D	1.3	1400	6.1	<2.0	<2.0	22	11	0.7	<5.0
	3/10/2014	300.0/8015D	1.7	1700	4.8	<1.0	<1.0	37	6.4	0.71	<5.0
	11/11/2013	300.0/8015D	2.0	1600	4.3	5.4	5.4	38	23	0.81	NA
	9/3/2013	300.0/8015D	1.6	1800	4.2	<1.0	<1.0	38	10	0.73	7.5
	6/12/2013	300.0/8015D	1.6	1800	4.6	<1.0	<1.0	41	7.1	0.94	<5.0
	3/18/2013	300.0/8015D	1.8	1600	4.6	<2.0	<2.0	65	6.0	0.48	<5.0

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.7.2 OAPIS-1

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)	Cyanide (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05		0.002	0.03	10	0.2
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05		0.002	0.03	NE	0.2
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987		0.000626	0.0592	5.96	0.00146
EPA RSL for Tap Water (NOV 2015)			5.20E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1		6.30E-04	0.06	6	0.015
Well ID	DATE SAMPLED	METHOD														
OAPIS-1	10/29/2015	200.7/200.8	0.015	0.75	<0.002	<0.006	<0.006	8.4	0.015	1.9	0.022		<0.0002	0.017	0.055	6.84E-02
	8/11/2015	200.7/200.8	0.012	0.72	<0.002	<0.006	<0.006	8.4	7.7E-03	1.8	0.018		<0.0002	0.02	0.035	7.96E-02
	6/2/2015	200.7/200.8	0.012	0.71	<0.002	8.6E-03	<0.006	7.5	7.1E-03	1.9	0.018		<0.0002	0.022	0.031	8.87E-02
	3/10/2015	200.7/200.8	<0.05	0.66	<0.002	<0.006	<0.006	6.9	5.9E-03	1.7	<0.05		<0.0002	0.023	0.02	8.04E-02
	11/11/2014	200.7/200.8	0.016	0.75	<0.002	<0.006	<0.006	8.4	7.3E-03	1.9	0.03		<0.0002	0.03	0.031	5.87E-02
	9/12/2014	200.7/200.8	0.018	0.72	<0.002	<0.006	<0.006	7.9	5.1E-03	1.9	0.035		<0.0002	0.031	0.021	9.08E-02
	6/5/2014	200.7/200.8	0.016	0.93	<0.002	0.022	0.06	12	0.029	2.4	0.035		<0.0002	0.034	0.15	7.53E-02
	3/10/2014	200.7/200.8	0.013	0.71	<0.002	0.011	0.025	8.6	0.017	2.1	0.026		<0.0002	0.039	0.054	8.46E-02
	11/11/2013	200.7/200.8	0.013	0.69	<0.002	0.012	0.017	12	0.012	2.1	0.023		<0.0002	0.044	0.063	7.65E-02
	9/3/2013	200.7/200.8	0.012	0.7	<0.002	0.012	0.015	8.5	9.1E-03	2.0	0.018		<0.0002	0.045	0.06	0.087
	6/12/2013	200.7/200.8	0.012	0.75	<0.002	0.011	0.024	10	NL	2.4	0.022		<0.0002	0.049	0.058	6.89E-02
	3/18/2013	200.7/200.8	8.2E-03	0.61	<0.002	0.01	0.026	7.9	8.5E-03	2.1	7.5E-03	<0.005	<0.0002	0.065	0.062	NA

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.7.3 OAPIS-1

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	NE	0.2	NE	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	NE	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	NE	2.02	NE	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	NE	0.43	NE	0.1	0.094	0.06	6
Well ID	DATE SAMPLED	METHOD														
OAPIS-1	10/29/2015	200.7/200.8	0.017	0.72	<0.002	<0.006	<0.006	5.2	<0.0025	32	1.8	5.1	0.034	<0.005	0.015	<0.01
	8/11/2015	200.7/200.8	0.012	0.59	<0.002	6.9E-03	<0.006	4.7	<0.0025	31	1.7	3.7	0.021	<0.005	0.019	0.18
	6/2/2015	200.7/200.8	0.012	0.56	<0.002	<0.006	<0.006	3.2	<0.01	29	1.7	4.6	0.017	<0.005	0.021	0.015
	3/10/2015	200.7/200.8	<0.02	0.63	<0.002	<0.006	<0.006	4.9	<0.001	30	1.8	5.9	<0.05	<0.005	0.02	0.019
	11/11/2014	200.7/200.8	<0.02	0.68	<0.002	<0.006	<0.006	7.6	<0.001	31	1.8	4.8	0.022	<0.005	0.022	0.029
	9/12/2014	200.7/200.8	0.018	0.78	<0.002	<0.006	<0.006	7.2	<0.001	33	1.8	6.0	0.034	<0.005	0.029	0.021
	6/5/2014	200.7/200.8	0.011	0.8	<0.002	8.2E-03	0.025	10	0.02	NL	2.2	NL	0.014	<0.005	0.039	0.1
	3/10/2014	200.7/200.8	8.3E-03	0.61	<0.002	<0.006	<0.006	5.4	7.9E-03	28	2.0	4.5	8.4E-03	<0.005	0.039	0.046
	11/11/2013	200.7/200.8	0.013	0.59	<0.002	<0.006	<0.006	6.4	1.4E-03	26	2.1	4.8	0.026	<0.025	0.042	0.056
	9/3/2013	200.7/200.8	0.012	0.55	<0.002	<0.006	<0.006	5.2	<0.005	29	2.0	3.9	0.023	<0.005	0.047	0.05
	6/12/2013	200.7/200.8	0.013	0.65	<0.002	<0.006	<0.006	6.2	1.8E-03	28	2.7	7.5	0.03	<0.025	0.053	0.038
	3/18/2013	200.7/200.8	7.4E-03	0.44	<0.002	<0.006	<0.006	1.8	6.3E-03	24	1.9	6.9	9.4E-03	<0.005	0.062	0.046

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.7.4 OAPIS-1

Volatile and Semi-Volatile Organic Compound Analytical Result Summary

			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	Isopropyl benzene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	1,1- Dichloroethane (mg/L)	2,4-Dimethyl phenol (mg/L)	Phenol (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	0.025	NE	0.005
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			NE	NE	0.00165	NE	NE	14.1	0.45	NE	NE	0.0275	0.354	5.76
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	1.7E-04	1.1E-03	0.0036	14.0	0.045	1	0.66	2.8E-03	0.36	5.8
Well ID	DATE SAMPLED	METHOD												
OAPIS-1	10/29/2015	8260B/8270C	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.01	<0.03	<0.01	<0.01	<0.1	<0.1
	8/11/2015	8260B/8270C	6.2E-03	<0.005	<0.01	0.021	<0.02	<0.05	<0.005	<0.015	<0.005	<0.005	0.024	<0.01
	6/2/2015	8260B/8270C	5.1E-03	<0.001	2.4E-03	0.03	<0.04	0.028	1.4E-03	<0.003	1.8E-03	<0.001	0.029	<0.01
	3/10/2015	8260B/8270C	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.005	<0.015	<0.005	<0.005	<0.01	<0.01
	11/11/2014	8260B/8270C	<0.005	<0.005	<0.01	0.032	<0.02	<0.05	<0.005	<0.015	<0.005	<0.005	<0.05	<0.05
	9/12/2014	8260B/8270C	<0.005	<0.005	<0.01	0.03	<0.02	<0.05	<0.005	<0.015	<0.005	<0.005	0.028	<0.01
	6/5/2014	8260B/8270C	6.6E-03	<0.002	<0.004	0.03	<0.008	<0.02	2.2E-03	<0.006	2.3E-03	<0.002	0.032	<0.01
	3/10/2014	8260B/8270C	2.5E-03	<0.001	<0.002	0.013	<0.004	0.016	1.5E-03	<0.003	1.6E-03	<0.001	<0.01	<0.01
	11/11/2013	8260B/8270C	1.6E-03	<0.001	<0.002	0.014	<0.004	<0.01	2.5E-03	<0.003	2.5E-03	1.1E-03	<0.01	<0.01
	9/3/2013	8260B/8270C	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.005	<0.015	<0.005	<0.005	0.022	<0.01
	6/12/2013	8260B/8270C	0.002	<0.002	<0.004	0.014	<0.008	<0.02	2.2E-03	<0.006	2.3E-03	<0.002	0.023	<0.01
	3/18/2013	8260B/8270C												0.01

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.8 STP1-NW

BTEX, General Chemistry Analytical Result Summary

			PARAMETERS												
			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	1.6	250.0	NE	10	600.0	NE	NE	NE
40 CFR 141.62 MCL (JAN 2015)			0.005	1.0	0.7	10	NE	NE	NE	1	10	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143	1.2	NE	1.97	31.6	NE	NE	NE	NE
EPA RSL for Tap Water (JAN 2015)			4.5E-04	0.11	0.0015	0.019	0.014	0.08	NE	0.2	3.2	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD													
STP1-NW	10/29/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	0.26	2100	21	21	130	<1.0	<0.05	<5.0
	8/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	NA	NA	NA	NA	NA	<1.0	<0.05	<5.0
	6/2/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	<0.5	2100	25	25	130	<1.0	<0.05	<5.0
	3/10/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	<0.1	2400	22	22	150	<1.0	<0.05	<5.0
	11/18/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	0.29	1800	<2.0	18	120	<1.0	<0.05	<5.0
	9/17/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	0.26	1800	<2.0	18	120	<1.0	<0.05	<5.0
	6/16/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	0.85	1000	15	15	160	<1.0	<0.05	<5.0

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.8.1 STP1-NW

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL (JAN 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (JAN 2015)			5.2E-05	0.38	0.00092	NE	0.8	14	0.015	0.43	0.1	0.094	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD													
STP1-NW	10/29/2015	200.7/200.8	7.5E-03	0.13	<0.002	<0.006	<0.006	0.15	5.5E-03	0.032	0.019	<0.005	<0.0002	0.023	0.091
	8/11/2015	200.7/200.8	<0.01	0.22	<0.002	<0.006	<0.006	6.1	6.8E-03	0.11	0.018	<0.005	<0.0002	0.025	0.12
	6/2/2015	200.7/200.8	<0.01	0.24	<0.002	6.6E-03	<0.006	3.2	<0.005	0.095	<0.02	<0.005	<0.0002	0.022	0.061
	3/10/2015	200.7/200.8	<0.01	0.23	<0.002	<0.006	<0.006	4.3	<0.01	0.075	0.026	<0.005	<0.0002	0.02	0.089
	11/18/2014	200.7/200.8	<0.01	0.13	<0.002	<0.006	<0.006	0.15	<0.001	0.032	0.024	<0.005	<0.0002	0.03	0.032
	9/17/2014	200.7/200.8	<0.01	0.21	<0.002	0.0092	<0.006	6.5	9.8E-03	0.15	0.022	<0.005	<0.0002	0.029	0.23
	6/16/2014	200.7/200.8	<0.01	0.11	<0.002	<0.006	<0.006	0.42	<0.01	0.055	0.028	<0.005	<0.0002	0.065	0.26

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.8.2 STP1-NW

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10
40 CFR 141.62 MCL (JAN 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (JAN 2015)			5.2E-05	0.38	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
Well ID	DATE SAMPLED	METHOD												
STP1-NW	10/29/2015	200.7/200.8	<0.01	0.14	<0.002	<0.006	<0.006	0.066	<0.0025	3.2E-03	0.031	<0.005	0.022	<0.01
	8/11/2015	200.7/200.8	<0.01	0.13	<0.002	<0.006	<0.006	0.12	<0.0025	3.9E-03	0.018	<0.005	0.022	<0.01
	6/2/2015	200.7/200.8	<0.01	0.13	<0.002	<0.006	<0.006	0.045	<0.01	<0.002	0.02	<0.005	0.021	<0.01
	3/10/2015	200.7/200.8	<0.05	0.18	<0.002	<0.006	<0.006	0.091	<0.001	3.9E-03	<0.05	<0.005	0.023	0.034
	11/18/2014	200.7/200.8	<0.01	0.12	<0.002	<0.006	<0.006	0.026	<0.001	0.028	0.023	<0.005	0.026	0.058
	9/8/2014	200.7/200.8	<0.01	0.12	<0.02	<0.006	<0.006	0.046	<0.01	0.033	0.027	<0.005	0.029	0.018

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.8.3 STP1-NW

Semi-Volatile and Volatile Organic Compounds, Analytical Result Summary

			Bis(2-ethylhexyl) phthalate (mg/L)
WQCC 20NMAC 6.2.3103			NE
40 CFR 141.62 MCL (JAN 2015)			0.006
NMED Tap Water (JULY 2015)			0.0556
EPA RSL for Tap Water (JAN 2015)			0.0056
Well ID	DATE SAMPLED	METHOD	
STP1-NW	6/2/2015	8270C	<0.01
	3/10/2015	8270C	<0.01
	11/18/2014	8270C	0.011

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.9 OW-13, OW-14, OW-29, OW-30
BTEX Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
OW-13	10/27/2015	8260B	<0.001	1.3E-03	<0.001	1.6E-03	0.035
	8/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.031
	6/1/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.025
	3/9/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.026
	11/10/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.027
	9/15/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.023
	6/3/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.02
	3/7/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.023
	11/11/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.017
	9/4/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.014
	6/13/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.015
	3/19/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.012
	11/27/2012	8260B	<0.001	<0.001	<0.001	<0.0015	0.011
	8/23/2012	8260B	<0.001	<0.001	<0.001	<0.0015	9.2E-03
	6/14/2012	8260B	<0.001	<0.001	<0.001	<0.0015	7.9E-03
	3/21/2012	8260B	<0.001	<0.001	<0.001	<0.0015	8.2E-03
	12/13/2011	8260B	<0.001	<0.001	<0.001	<0.0015	6.5E-03
	10/25/2011	8260B	<0.001	<0.001	<0.001	<0.0015	6.2E-03
	6/20/2011	8260B	<0.001	<0.001	<0.001	<0.0015	4.8E-03
	2/24/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.004
	11/8/2010	8260B	<0.001	<0.001	<0.001	<0.0015	3.8E-03
	9/22/2010	8260B	<0.001	<0.001	<0.001	<0.0015	3.1E-03
	6/7/2010	8021B	<0.001	<0.001	<0.001	<0.0015	2.7E-03
	3/25/2010	8021B	<0.001	<0.001	<0.001	<0.0015	2.3E-03
OW-14	10/27/2015	8260B	6.2	<0.02	0.15	<0.03	0.57
	8/10/2015	8260B	5.4	<0.01	0.16	<0.015	0.78
	6/1/2015	8260B	4.6	<0.02	0.16	<0.03	0.74
	3/9/2015	8260B	3.9	<0.02	0.16	<0.03	0.76
	11/10/2014	8260B	3.6	0.015	0.17	<0.015	0.81
	9/15/2014	8260B	3.8	<0.02	0.16	<0.03	0.82
	6/3/2014	8260B	3.7	<0.02	0.12	<0.03	0.93
	3/7/2014	8260B	4.0	0.026	0.14	0.032	1.1
	11/11/2013	8260B	3.3	0.046	0.13	0.019	1.1
	9/4/2013 ²	8260B	2.6	<0.005	0.063	<0.0075	0.94
	6/13/2013	8260B	3.4	<0.01	0.073	<0.015	1.3
	3/19/2013	8260B	2.8	<0.01	0.065	<0.015	1.3
	11/27/2012	8260B	2.7	<0.01	0.056	<0.015	1.4
	8/23/2012	8260B	2.1	<0.01	0.037	<0.015	1.6
	6/14/2012	8260B	2.6	<0.01	0.053	<0.015	1.2
OW-14	3/21/2012	8260B	2.3	<0.01	0.051	<0.015	1.4
	12/13/2011	8260B	1.5	<0.005	0.036	<0.0075	1.3
	10/24/2011	8260B	1.4	<0.005	0.045	<0.0075	1.4
	6/20/2011	8260B	1.8	1.5E-03	0.061	<0.0015	1.6
	2/24/2011	8260B	1.3	1.9E-03	0.042	<0.0015	1.4
	11/8/2010	8260B	0.63	<0.001	0.018	<0.0015	1.3
	9/22/2010	8260B	0.47	<0.001	8.3E-03	<0.0015	1.4
	6/7/2010	8260B	0.33	1.8E-03	8.5E-03	<0.0015	1.4
	3/24/2010	8260B	0.25	<0.005	0.01	<0.0075	1.5

8.9 OW-13, OW-14, OW-29, OW-30
BTEX Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
OW-29	10/27/2015	8260B	<0.005	<0.005	<0.005	<0.0075	3.1
	8/11/2015	8260B	<0.005	<0.005	<0.005	<0.0075	3.1
	6/1/2015	8260B	<0.005	<0.005	<0.005	<0.0075	2.6
	3/9/2015	8260B	<0.001	<0.001	<0.001	<0.015	3.2
	11/11/2014	8260B	<0.005	<0.005	<0.005	<0.015	3.0
	9/15/2014	8260B	<0.005	<0.005	<0.005	<0.0075	2.5
	6/214	8260B	<0.001	<0.001	<0.001	<0.0015	2.0
	3/7/2014	8260B	<0.001	<0.001	<0.001	<0.0015	2.1
	11/11/2013	8260B	<0.002	<0.002	<0.002	<0.003	1.7
	9/4/2013 ²	8260B	<0.001	<0.001	<0.001	<0.0015	1.3
	6/13/2013	8260B	<0.001	<0.001	<0.001	<0.0015	1.4
	3/19/2013	8260B	<0.001	<0.001	<0.001	<0.0015	1.1
	11/27/2012	8260B	<0.001	<0.001	<0.001	<0.0015	0.9
	8/23/2012	8260B	<0.001	<0.001	<0.001	<0.0015	1.0
	6/14/2012	8260B	<0.001	<0.001	<0.001	<0.0015	0.47
	3/21/2012	8260B	<0.001	<0.001	<0.001	<0.0015	0.62
	12/13/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.49
	10/24/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.47
	6/20/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.47
	2/24/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.3
	11/9/2010	8260B	<0.001	<0.001	<0.001	<0.0015	0.22
OW-30	9/22/2010	8260B	<0.001	<0.001	<0.001	<0.0015	0.19
	6/7/2010	8260B	<0.001	<0.001	<0.001	<0.0015	0.15
	3/25/2010	8260B	<0.001	<0.001	<0.001	<0.0015	0.12
	10/27/2015	8260B	<0.005	<0.005	<0.005	<0.0075	3.5
	8/10/2015	8260B	<0.001	<0.001	<0.001	<0.0015	3.8
	6/2/2015	8260B	<0.005	<0.005	<0.005	<0.0075	3.1
	3/9/2015	8260B	<0.001	<0.001	<0.001	<0.0015	4.0
	11/11/2014	8260B	<0.005	<0.005	<0.005	<0.0015	3.6
	9/17/2014	8260B	<0.001	<0.001	<0.001	<0.0015	2.8
	6/3/2014	8260B	<0.001	<0.001	<0.001	<0.0015	2.7
	3/7/2014	8260B	<0.001	<0.001	<0.001	<0.0015	2.9
	11/11/2013	8260B	<0.001	<0.001	<0.001	<0.0015	2.6
	9/4/2013 ²	8260B	<0.001	<0.001	<0.001	<0.0015	2.1
	6/17/2013	8260B	<0.001	<0.001	<0.001	<0.0015	2.5
	3/19/2013	8260B	<0.005	<0.005	<0.005	<0.0075	2.0
	11/27/2012	8260B	<0.001	<0.001	<0.001	<0.0015	2.2
	8/23/2012	8260B	<0.001	<0.001	<0.001	<0.0015	2.3
	6/14/2012	8260B	<0.001	<0.001	<0.001	<0.0015	1.5
	3/21/2012	8260B	<0.001	<0.001	<0.001	<0.0015	1.6
	12/15/2011	8260B	<0.001	<0.001	<0.001	<0.0015	1.3
	10/24/2011	8260B	<0.001	<0.001	<0.001	<0.0015	1.3
OW-30	6/20/2011	8260B	<0.001	<0.001	<0.001	<0.0015	1.3
	2/24/2011	8260B	<0.001	<0.001	<0.001	<0.0015	1.1
	11/8/2010	8260B	<0.001	<0.001	<0.001	<0.0015	1.1
	9/27/2010	8260B	<0.001	<0.001	<0.001	<0.0015	1.1
	6/4/2010	8260B	<0.001	<0.001	<0.001	<0.0015	1.0
	3/24/2010	8260B	<0.005	<0.005	<0.005	<0.0075	1.1

8.9 OW-13, OW-14, OW-29, OW-30
BTEX Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.9.1 OW-13, OW-14, OW-29, OW-30

DRO/GRO/CATIONS/ANIONS Analytical Result Summary

			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Phosphorous (mg/L)	Sulfate (mg/L)	Nitrate + Nitrite as N (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	1.6	250	NE	NE	600	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	NE	NE	10
NMED Tap Water (JULY 2015)			NE	NE	NE	1.2	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			NE	NE	NE	0.08	NE	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD									
OW-13	10/27/2015	8015D/300.0	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	8/10/2015	8015D/300.0	<1.0	<0.05	<5.0	0.27	30	0.37	<0.5	150	4.9
	9/15/2014	8015D/300.0	<1.0	<0.05	<5.0	0.22	28	0.39	<0.5	150	<1.0
	9/4/2013	8015D/300.0	<1.0	<0.05	<5.0	0.28	28	0.39	<0.5	160	2.6
OW-14	10/27/2015	8015D/300.0	4.1	16	<5.0	NA	NA	NA	NA	NA	NA
	8/10/2015	8015D/300.0	2.7	8.7	<5.0	<0.5	320	2.6	<2.5	<2.5	<1.0
	9/15/2014	8015D/300.0	4.5	8.2	<5.0	0.21	330	1.5	<0.5	2.6	<1.0
	9/4/2013	8015D/300.0	7.8	7.6	<5.0	0.21	350	2.5	<0.5	3.2	5.9
OW-29	10/27/2015	8015D/300.0	<1.0	2.6	<5.0	NA	NA	NA	NA	NA	NA
	8/11/2015	8015D/300.0	<1.0	2.4	<5.0	0.31	170	0.56	<0.5	70	<1.0
	9/15/2014	8015D/300.0	<1.0	0.52	<5.0	0.3	160	0.77	<0.5	73	<1.0
	9/4/2013	8015D/300.0	<1.0	0.88	<5.0	0.43	160	0.94	<0.5	84	3.9
OW-30	10/27/2015	8015D/300.0	<1.0	3.7	<5.0	NA	NA	NA	NA	NA	NA
	8/10/2015	8015D/300.0	3.6	2.1	<5.0	0.23	180	0.54	<0.5	42	<1.0
	9/7/2014	8015D/300.0	<1.0	1.3	<5.0	0.2	180	0.63	<0.5	45	<1.0
	9/4/2013	8015D/300.0	<1.0	1.4	<5.0	0.26	170	0.77	<0.5	55	4.6

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.9.2 OW-13, OW-14, OW-29, OW-30

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	6.30E-04	0.06	6
Well ID	DATE SAMPLED	METHOD													
OW-13	10/27/2015	200.7/200.8	1.2E-03	0.02	<0.002	<0.006	<0.006	<0.02	<0.0005	0.021	<0.005	<0.005	<0.0002	0.017	<0.01
	8/11/2015	200.7/200.8	<0.001	0.02	<0.002	<0.006	<0.006	<0.02	<0.0005	0.019	<0.001	<0.005	<0.0002	0.018	<0.01
	6/1/2015	200.7/200.8	<0.01	0.02	<0.002	<0.006	<0.006	<0.02	<0.005	0.02	<0.01	<0.005	<0.0002	0.017	<0.01
	3/9/2015	200.7/200.8	<0.005	0.02	<0.002	<0.006	<0.006	<0.02	<0.001	0.021	<0.005	<0.005	<0.0002	0.017	<0.01
	11/10/2014	200.7/200.8	0.001	0.024	<0.002	<0.006	0.021	0.058	<0.001	0.038	1.1E-03	<0.005	<0.0002	0.018	0.01
	9/15/2014	200.7/200.8	1.1E-03	0.018	<0.002	<0.006	<0.006	<0.02	<0.001	0.017	1.8E-03	<0.005	<0.0002	0.018	<0.01
	6/3/2014	200.7/200.8	<0.005	0.02	<0.002	<0.006	<0.006	<0.02	<0.001	0.02	<0.005	<0.005	<0.0002	0.016	<0.01
	3/7/2014	200.7/200.8	1.1E-03	0.02	<0.002	<0.006	<0.006	<0.02	<0.001	0.023	<0.001	<0.005	<0.0002	0.018	<0.01
	11/11/2013	200.7/200.8	<0.001	0.019	<0.002	<0.006	<0.006	<0.02	<0.001	0.021	1.2E-03	<0.005	<0.0002	0.016	<0.01
	9/4/2013	200.7/200.8	<0.001	0.019	<0.002	<0.006	<0.006	<0.02	<0.001	0.025	<0.001	<0.005	<0.0002	0.017	<0.01
	6/13/2013	200.7/200.8	<0.001	0.019	<0.002	<0.006	<0.006	<0.02	NL	0.02	<0.001	<0.005	<0.0002	0.017	<0.01
	3/19/2013 ¹	200.7/200.8	<0.0025	0.018	<0.002	<0.006	<0.006	<0.02	<0.005	0.021	<0.0025	<0.005	<0.0002	0.018	<0.01
	8/23/2012	200.7/200.8	<0.0025	0.024	<0.002	<0.006	<0.006	<0.02	<0.005	0.01	<0.0025	<0.005	<0.0002	0.017	<0.01
OW-14	10/27/2015	200.7/200.8	9.4E-03	1.9	<0.002	<0.006	<0.006	4.6	<0.0005	2.1	<0.02	<0.005	<0.0002	6.7E-03	<0.01
	8/10/2015	200.7/200.8	8.8E-03	1.9	<0.002	<0.006	<0.006	4.6	<0.0005	2.2	<0.01	<0.005	<0.0002	6.8E-03	<0.01
	6/1/2015	200.7/200.8	<0.01	1.9	<0.002	<0.006	<0.006	4.8	<0.005	2.2	<0.01	<0.005	<0.0002	6.7E-03	<0.01
	3/9/2015	200.7/200.8	<0.02	1.8	<0.002	<0.006	<0.006	4.5	<0.001	2.1	<0.02	<0.005	<0.0002	6.5E-03	<0.01
	11/10/2014	200.7/200.8	9.1E-03	1.8	<0.002	<0.006	<0.006	4.6	<0.001	2.2	<0.01	<0.005	<0.0002	7.7E-03	<0.01
	9/15/2014	200.7/200.8	0.014	1.9	<0.002	<0.006	<0.006	4.7	<0.001	2.3	0.018	<0.005	<0.0002	7.9E-03	<0.01
	6/3/2014	200.7/200.8	0.011	1.7	<0.002	<0.006	<0.006	4.8	<0.001	2.3	0.017	<0.005	<0.0002	7.6E-03	<0.01
	3/7/2014	200.7/200.8	0.01	1.7	<0.002	<0.006	<0.006	4.7	<0.001	2.4	0.01	<0.005	<0.0002	9.7E-03	<0.01
	11/11/2013	200.7/200.8	0.011	1.5	<0.002	<0.006	<0.006	4.4	<0.001	2.2	0.015	<0.005	<0.0002	9.4E-03	<0.01
	9/4/2013	200.8	0.01	1.5	<0.002	<0.006	<0.006	4.5	<0.001	2.1	0.011	<0.025	<0.0002	9.3E-03	<0.01
	6/13/2013	200.7/200.8	0.011	1.5	<0.002	<0.006	<0.006	4.5	0.007	2.4	0.014	<0.005	<0.0002	0.011	<0.01
	3/19/2013 ¹	200.7/200.8	0.01	1.3	<0.002	<0.006	<0.006	4.4	<0.005	2.1	3.8E-03	<0.005	<0.0002	0.009	<0.01
	8/23/2012	200.7/200.8	0.012	1.2	<0.002	<0.006	<0.006	4.2	<0.005	2.3	6.6E-03	<0.005	<0.0002	9.5E-03	<0.01
OW-29	10/27/2015	200.7/200.8	<0.005	0.066	<0.002	<0.006	<0.006	0.33	<0.0005	0.3	<0.005	<0.005	<0.0002	0.051	<0.01
	8/11/2015	200.7/200.8	<0.005	0.063	<0.002	<0.006	<0.006	0.25	<0.0005	0.28	<0.005	<0.005	<0.0002	0.054	<0.01
	6/1/2015	200.7/200.8	<0.01	0.06	<0.002	<0.006	<0.006	0.35	<0.005	0.25	<0.01	<0.005	<0.0002	0.054	<0.01
	3/9/2015	200.7/200.8	<0.005	0.063	<0.002	<0.006	<0.006	0.41	<0.001	0.3	<0.005	<0.005	<0.0002	0.061	<0.01
	11/11/2014	200.7/200.8	<0.005	0.063	<0.002	<0.006	<0.006	0.33	<0.001	0.29	<0.005	<0.005	<0.0002	0.055	<0.01
	9/15/2014	200.7/200.8	<0.01	0.058	<0.002	<0.006	<0.006	0.2	<0.001	0.26	<0.01	<0.005	<0.0002	0.053	<0.01
	6/2/2014	200.7/200.8	<0.005	0.063	<0.002	<0.006	<0.006	0.37	<0.001	0.29	5.5E-03	<0.005	<0.0002	0.052	<0.01
	3/7/2014	200.7/200.8	1.4E-03	0.063	<0.002	<0.006	<0.006	0.4	<0.001	0.3	<0.005	<0.005	<0.0002	0.056	<0.01
	11/11/2013	200.7/200.8	1.8E-03	0.061	<0.002	<0.006	<0.006	0.38	<0.001	0.28	4.2E-03	<0.005	<0.0002	0.053	<0.01

8.9.2 OW-13, OW-14, OW-29, OW-30
Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	6.30E-04	0.06	6
Well ID	DATE SAMPLED	METHOD													
	9/4/2013	200.7/200.8	<0.001	0.061	<0.002	<0.006	<0.006	0.34	<0.001	0.028	2.7E-03	<0.005	<0.0002	0.056	0.018
	6/13/2013	200.7/200.8	1.3E-03	0.065	<0.002	<0.006	<0.006	0.52	NL	0.32	3.3E-03	<0.005	<0.0002	0.056	<0.01
	3/19/2013 ¹	200.7/200.8	<0.0025	0.059	<0.002	<0.006	<0.006	0.47	<0.005	0.29	<0.0025	<0.005	<0.0002	0.057	<0.01
	8/23/2012	200.7/200.8	<0.0025	0.058	<0.002	<0.006	<0.006	0.16	<0.005	0.25	<0.0025	<0.005	<0.0002	0.055	<0.01
OW-30	10/27/2015	200.7/200.8	<0.005	0.097	<0.002	<0.006	<0.006	0.12	<0.0005	0.041	<0.005	<0.005	<0.0002	0.047	<0.01
	8/10/2015	200.7/200.8	<0.005	0.091	<0.005	<0.006	<0.006	0.073	<0.0005	0.037	<0.005	<0.005	<0.0002	0.048	<0.01
	6/2/2015	200.7/200.8	<0.01	0.088	<0.002	<0.006	<0.006	0.065	<0.005	0.036	<0.01	<0.005	<0.0002	0.05	<0.01
	3/9/2015	200.7/200.8	<0.01	0.09	<0.002	<0.006	<0.006	0.089	<0.001	0.037	<0.01	<0.005	<0.0003	0.056	<0.01
	11/11/2014	200.7/200.8	<0.005	0.093	<0.002	<0.006	<0.006	0.18	<0.001	0.036	<0.005	<0.005	<0.0002	0.05	<0.01
	9/17/2014	200.7/200.8	1.5E-03	0.087	<0.002	<0.006	<0.006	0.076	<0.001	0.031	3.4E-03	<0.005	<0.0002	0.051	<0.01
	6/2/2014	200.7/200.8	<0.005	0.56	<0.002	0.014	<0.006	5.8	6.4E-03	0.35	5.5E-03	<0.005	<0.0002	0.048	0.015
	3/7/2014	200.7/200.8	3.3E-03	1.3	<0.002	0.031	7.2E-03	13	0.013	0.71	<0.005	<0.005	<0.0002	0.054	0.029
	11/11/2013	200.7/200.8	1.8E-03	0.11	<0.002	<0.006	<0.006	0.47	<0.001	0.047	4.1E-03	<0.005	<0.0002	0.053	<0.01
	9/4/2013	200.7/200.8	1.2E-03	0.081	<0.002	<0.006	<0.006	0.051	<0.001	0.025	2.9E-03	<0.005	<0.0002	0.055	<0.01
	6/17/2013	200.7/200.8	1.3E-03	0.079	<0.002	<0.006	<0.006	0.055	<0.005	0.026	2.7E-03	<0.005	<0.0002	0.054	<0.01
	3/19/2013 ¹	200.7/200.8	<0.0025	0.078	<0.002	<0.006	<0.006	0.052	<0.005	0.02	<0.0025	<0.005	<0.0002	0.057	<0.01
	8/23/2012	200.7/200.8	<0.0025	0.078	<0.002	<0.006	<0.006	0.058	<0.005	0.018	<0.0025	<0.005	<0.0002	0.056	<0.01

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Additon of WQCC Metals per NMED's Comment 12 from "Approval with Modifications Annual Ground Water Monitoring Report, Rev 1, dated 12/12/12", to monitor upgradient wells.

8.9.3 OW-13, OW-14, OW-29, OW-30

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
Well ID	DATE SAMPLED	METHOD												
OW-13	10/27/2015	200.7/200.8	<0.005	0.021	<0.002	<0.006	<0.006	<0.02	<0.0005	0.023	<0.005	<0.005	0.016	<0.01
	8/11/2015	200.7/200.8	<0.005	0.018	<0.002	<0.006	<0.006	<0.02	<0.0025	0.018	<0.005	<0.005	0.017	<0.01
	6/1/2015	200.7/200.8	<0.01	0.02	<0.002	<0.006	<0.006	<0.02	<0.1	0.021	<0.01	<0.005	0.016	<0.01
	3/9/2015	200.7/200.8	<0.005	0.02	<0.002	<0.006	<0.006	<0.02	<0.001	0.022	<0.005	<0.005	0.017	<0.01
	11/10/2014	200.7/200.8	1.E-03	0.019	<0.002	<0.006	<0.006	<0.02	<0.01	0.022	<0.001	<0.005	0.016	0.063
	9/15/2014	200.7/200.8	1.5E-03	0.018	<0.002	<0.006	<0.006	<0.02	<0.001	0.018	2.6E-03	<0.005	0.017	<0.01
	6/3/2014	200.7/200.8	1.2E-03	0.017	<0.002	<0.006	<0.006	<0.02	<0.005	0.017	2.2E-03	<0.005	0.015	<0.01
	3/7/2014	200.7/200.8	<0.001	0.019	<0.002	<0.006	<0.006	<0.02	<0.001	0.02	<0.001	<0.005	0.018	0.017
	11/11/2013	200.7/200.8	1.2E-03	0.02	<0.002	<0.006	<0.006	<0.02	<0.001	0.021	0.002	<0.005	0.016	0.014
	9/4/2013	200.7/200.8	<0.005	0.019	<0.002	<0.006	<0.006	<0.02	<0.005	0.024	<0.005	<0.005	0.017	<0.01
	6/13/2013	200.7/200.8	1.1E-03	0.019	<0.002	<0.006	<0.006	<0.02	<0.001	0.021	2.4E-03	<0.005	0.017	0.048
	3/19/2013 ¹	200.7/200.8	<0.001	0.018	<0.002	<0.006	<0.006	<0.02	<0.005	0.019	<0.001	<0.005	0.017	<0.01
	8/23/2012	200.7/200.8	<0.001	0.022	<0.002	<0.006	<0.006	<0.02	<0.005	0.011	<0.001	<0.005	0.016	0.016
OW-14	10/27/2015	200.7/200.8	1.1E-02	2.1	<0.002	<0.006	<0.006	4.7	<0.0005	2.3	0.016	<0.005	6.5E-03	<0.01
	8/10/2015	200.7/200.8	9.1E-03	1.9	<0.002	6.3E-03	<0.006	4.5	<0.0025	2.0	<0.01	<0.005	0.006	<0.01
	6/1/2015	200.7/200.8	<0.01	1.9	<0.002	<0.006	<0.006	5.0	<0.01	2.3	<0.01	<0.005	<0.01	0.12
	3/9/2015	200.7/200.8	<0.02	1.9	<0.002	<0.006	<0.006	4.7	<0.001	2.2	<0.02	<0.005	6.7E-03	<0.01
	11/10/2014	200.7/200.8	<0.01	1.8	<0.002	<0.006	<0.006	4.5	<0.01	2.2	<0.01	<0.005	<0.01	0.036
	9/15/2014	200.7/200.8	0.013	1.8	<0.002	<0.006	<0.006	4.5	<0.001	2.2	0.017	<0.005	7.1E-03	<0.01
	6/3/2014	200.7/200.8	0.011	1.7	<0.002	<0.006	<0.006	4.6	<0.005	2.3	0.018	<0.005	8.3E-03	0.017
	3/7/2014	200.7/200.8	8.4E-03	1.6	<0.002	<0.006	<0.006	4.2	<0.001	2.1	<0.005	<0.005	9.7E-03	<0.01
	11/11/2013	200.7/200.8	0.012	1.6	<0.002	<0.006	<0.006	4.6	<0.001	2.3	0.015	<0.005	9.3E-03	0.021
	9/4/2013	200.7/200.8	0.01	1.5	<0.002	<0.006	<0.006	4.5	<0.001	2.1	0.011	<0.025	9.3E-03	<0.01
	6/13/2013	200.7/200.8	0.012	1.4	<0.002	<0.006	<0.006	4.6	<0.001	2.3	0.017	<0.005	0.011	<0.01
	3/19/2013 ¹	200.7/200.8	9.3E-03	1.3	<0.002	<0.006	<0.006	4.1	<0.005	2.1	4.5E-03	<0.005	8.7E-03	<0.01
	8/23/2012	200.7/200.8	0.01	1.1	<0.002	<0.006	<0.006	4.4	<0.005	2.3	6.7E-03	<0.005	9.1E-03	0.039
OW-29		200.7/200.8	<0.01	0.061	<0.002	<0.006	<0.006	0.23	<0.01	0.28	<0.01	<0.005	0.054	0.029
	8/11/2015	200.7/200.8	<0.005	0.059	<0.002	<0.006	<0.006	0.24	<0.0025	0.27	<0.005	<0.005	0.053	0.012
	6/1/2015	200.7/200.8	<0.01	0.064	<0.002	<0.006	<0.006	0.34	<0.01	0.29	<0.01	<0.005	0.053	<0.01
	3/9/2015	200.7/200.8	<0.001	0.063	<0.002	<0.006	<0.006	0.31	<0.001	0.31	<0.01	<0.005	0.053	<0.01
	11/11/2014	200.7/200.8	<0.01	0.061	<0.002	<0.006	<0.006	0.23	<0.01	0.28	<0.01	<0.005	0.054	0.029
	9/15/2014	200.7/200.8	<0.01	0.061	<0.002	<0.006	<0.006	0.18	<0.001	0.26	<0.01	<0.005	0.054	<0.01
	6/2/2014	200.7/200.8	<0.005	0.057	<0.002	<0.006	<0.006	0.2	<0.005	0.28	6.4E-03	<0.005	0.054	<0.01
	3/7/2014	200.7/200.8	<0.005	0.059	<0.002	<0.006	<0.006	0.28	<0.001	0.29	<0.005	<0.005	0.053	<0.01

8.9.3 OW-13, OW-14, OW-29, OW-30

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
Well ID	DATE SAMPLED	METHOD												
OW-29	11/11/2013	200.7/200.8	1.9E-03	0.063	<0.002	<0.006	<0.006	0.33	<0.001	0.3	5.2E-03	<0.005	0.053	0.028
	9/4/2013	200.7/200.8	<0.005	0.062	<0.002	<0.006	<0.006	0.31	<0.005	0.28	<0.005	<0.005	0.06	<0.01
	6/13/2013	200.7/200.8	1.8E-03	0.06	<0.002	<0.006	<0.006	0.45	<0.001	0.31	5.5E-03	<0.005	0.055	0.017
	3/19/2013 ¹	200.7/200.8	0.001	0.054	<0.002	<0.006	<0.006	0.34	<0.005	0.27	1.1E-03	<0.005	0.054	<0.01
	8/23/2012	200.7/200.8	0.001	0.056	<0.002	<0.006	<0.006	0.046	<0.005	0.24	1.9E-03	<0.005	0.053	<0.01
OW-30	10/27/2015	200.7/200.8	<0.005	0.1	<0.002	<0.006	8.8E-03	0.064	<0.01	0.041	7.7E-03	<0.005	0.045	<0.01
	8/10/2015	200.7/200.8	<0.005	0.088	<0.002	<0.006	<0.006	0.071	<0.0025	0.037	<0.005	<0.005	0.048	0.011
	6/2/2015	200.7/200.8	<0.01	0.082	<0.002	<0.006	<0.006	0.067	<0.01	0.031	<0.01	<0.005	0.049	0.017
	3/9/2015	200.7/200.8	<0.01	0.09	<0.002	<0.006	<0.006	0.064	<0.001	0.037	<0.01	<0.005	0.048	0.015
	11/11/2014	200.7/200.8	<0.01	0.086	<0.002	<0.006	<0.006	0.051	<0.01	0.034	<0.01	<0.005	0.05	0.029
	9/17/2014	200.7/200.8	<0.005	0.086	<0.002	<0.006	<0.006	0.067	<0.005	0.033	<0.005	<0.005	0.049	0.012
	6/2/2014	200.7/200.8	<0.005	0.17	<0.002	<0.006	<0.006	2.3	<0.005	0.082	<0.01	<0.005	0.051	<0.01
	3/7/2014	200.7/200.8	<0.005	0.29	<0.002	0.014	<0.006	7.2	2.3E-03	0.18	<0.005	<0.005	0.05	0.012
	11/11/2013	200.7/200.8	1.7E-03	0.084	<0.002	<0.006	<0.006	0.06	<0.001	0.031	4.6E-03	<0.005	0.05	0.022
	9/4/2013	200.7/200.8	<0.005	0.08	<0.002	<0.006	<0.006	0.04	<0.005	0.028	<0.005	<0.005	0.059	<0.01
	6/13/2013	200.7/200.8	1.9E-03	0.078	<0.002	<0.006	<0.006	0.048	<0.005	0.025	5.5E-03	<0.005	0.054	0.01
	3/19/2013 ¹	200.7/200.8	1.1E-03	0.073	<0.002	<0.006	<0.006	0.051	<0.005	0.023	2.3E-03	<0.005	0.054	<0.01
	8/23/2012	200.7/200.8	0.001	0.074	<0.002	<0.006	<0.006	<0.02	<0.005	0.015	1.7E-03	<0.005	0.052	0.036

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Additon of WQCC Metals per NMED's Comment 12 from "Approval with Modifications Annual Ground Water Monitoring Report, Rev 1, dated 12/12/12", to monitor upgradient wells.

8.9.4 OW-13, OW-14, OW-29, OW-30
Volatile Organic Compound Analytical Result Summary

			1,2,4-Trimethyl benzene (mg/L)	1,2-Dichloro ethane (EDC) (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	1,1-Dichloroethane (mg/L)	Isopropyl benzene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	Sec-butyl benzene (mg/L)	Chloroethane (mg/L)
WQCC 20NMAC 6.2.3103			NE	0.01	NE	NE	0.025	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	0.005	NE	NE	NE	NE	NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			NE	0.00171	0.00165	NE	0.0275	0.447	NE	NE	NE	20.9
EPA RSL for Tap Water (NOV 2015)			0.015	0.017	1.7E-04	1.1E-03	2.8E-03	0.45	1	0.66	2	21
Well ID	DATE SAMPLED	METHOD										
OW-13	10/27/2015	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	8/11/2015	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.001	<0.003	<0.001	<0.001	
	6/1/2015	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	3/9/2015	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	11/10/2014	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	9/15/2014	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	6/3/2014	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.001	<0.003	<0.001	<0.001	
	3/7/2014	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	11/11/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	9/4/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	6/13/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	3/19/2013	8260B	<0.005	<0.005	<0.01	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	11/27/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	8/23/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	6/14/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	3/21/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	12/13/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	10/25/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	6/20/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	2/24/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
OW-14	11/8/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	9/22/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	6/7/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	3/25/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	10/27/2015	8260B	<0.02	<0.02	<0.04	<0.08	<0.02	<0.02	<0.06	<0.02	<0.02	
	8/10/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.01	<0.03	<0.01	<0.01	
	6/1/2015	8260B	<0.02	<0.02	<0.04	<0.08	<0.02	<0.02	<0.06	<0.02	<0.02	
	3/9/2015	8260B	<0.02	<0.02	<0.04	<0.08	<0.02	<0.02	<0.06	<0.02	<0.02	
	11/10/2014	8260B	<0.01	<0.01	<0.02	0.044	<0.01	<0.01	<0.03	<0.01	<0.01	
	9/15/2014	8260B/8270C	<0.02	<0.02	<0.04	0.016	<0.02	<0.02	<0.06	<0.02	<0.02	
	6/3/2014	8260B	<0.02	<0.02	<0.04	<0.08	<0.08	<0.02	<0.06	<0.02	<0.02	
	3/7/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.01	<0.03	<0.01	<0.01	
	11/11/2013	8260B	<0.005	<0.005	<0.01	0.027	<0.005	6.6E-03	<0.015	<0.005	<0.005	
OW-14	9/4/2013	8260B	<0.005	<0.005	<0.01	0.024	<0.005	0.006	<0.015	<0.005	<0.005	
	6/13/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.01	<0.01	<0.03	<0.01	<0.01	
	3/19/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.01	<0.01	<0.03	<0.01	<0.01	
	11/27/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.01	<0.01	<0.03	<0.01	<0.01	
	8/23/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.01	<0.01	<0.03	<0.01	<0.01	
	6/14/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/21/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	
	12/13/2011	8260B	<0.005	<0.005	<0.01	0.021	<0.005	7.1E-03	<0.005	<0.005	<0.005	

8.9.4 OW-13, OW-14, OW-29, OW-30
Volatile Organic Compound Analytical Result Summary

			1,2,4-Trimethyl benzene (mg/L)	1,2-Dichloro ethane (EDC) (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	1,1-Dichloroethane (mg/L)	Isopropyl benzene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	Sec-butyl benzene (mg/L)	Chloroethane (mg/L)
WQCC 20NMAC 6.2.3103			NE	0.01	NE	NE	0.025	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	0.005	NE	NE	NE	NE	NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			NE	0.00171	0.00165	NE	0.0275	0.447	NE	NE	NE	20.9
EPA RSL for Tap Water (NOV 2015)			0.015	0.017	1.7E-04	1.1E-03	2.8E-03	0.45	1	0.66	2	21
Well ID	DATE SAMPLED	METHOD										
	10/24/2011	8260B	<0.005	<0.005	<0.01	0.022	<0.005	8.2E-03	<0.005	<0.005	<0.005	
	6/20/2011	8260B	1.1E-03	1.7E-03	2.1E-03	0.02	1.2E-03	6.8E-03	<0.001	2.1E-03	2.4E-03	
	2/24/2011	8260B	1.3E-03	1.6E-03	<0.002	0.019	<0.001	4.8E-03	<0.001	1.3E-03	2.7E-03	
	11/8/2010	8260B	1.2E-03	1.5E-03	<0.002	0.022	<0.001	3.7E-03	<0.001	<0.001	2.7E-03	
	9/22/2010	8260B	<0.001	2.2E-03	<0.002	0.022	<0.001	2.9E-03	<0.001	<0.001	2.8E-03	
	6/7/2010	8260B	1.1E-03	1.5E-03	<0.002	0.02	<0.001	2.6E-03	<0.001	<0.001	2.4E-03	
	3/24/2010	8260B	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	
OW-29	10/27/2015	8260B	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.015	<0.005	<0.005	
	8/11/2015	8260B	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.015	<0.005	<0.005	
	6/1/2015	8260B	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.015	<0.005	<0.005	
	3/9/2015	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.001	<0.003	<0.001	<0.001	
	11/11/2014	8260B	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.015	<0.005	<0.005	
	9/15/2014	8260B	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.015	<0.005	<0.005	
	6/2/2014	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	3/7/2014	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	11/11/2013	8260B	<0.002	<0.002	<0.004	<0.008	<0.002	<0.002	<0.006	<0.002	<0.002	
	9/4/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	6/13/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.001	<0.003	<0.001	<0.001	
	3/19/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	11/27/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	8/23/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	6/13/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	3/21/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	12/14/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
OW-29	10/24/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	6/20/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	2/24/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	11/9/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	9/22/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	6/7/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	3/25/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
OW-30	10/27/2015	8260B	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.015	<0.005	<0.005	<0.01
	8/10/2015	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.001	<0.003	<0.001	<0.001	<0.002
	6/2/2015	8260B	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.015	<0.005	<0.005	<0.01
	3/9/2015	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.001	<0.003	<0.001	<0.001	<0.002
	11/11/2014	8260B	<0.005	<0.005	<0.01	<0.02	<0.005	<0.005	<0.015	<0.005	<0.005	<0.01
	9/17/2014	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.001	<0.003	<0.001	<0.001	<0.002
	6/2/2014	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	<0.002

8.9.4 OW-13, OW-14, OW-29, OW-30
Volatile Organic Compound Analytical Result Summary

			1,2,4-Trimethyl benzene (mg/L)	1,2-Dichloro ethane (EDC) (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	1,1-Dichloroethane (mg/L)	Isopropyl benzene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	Sec-butyl benzene (mg/L)	Chloroethane (mg/L)
WQCC 20NMAC 6.2.3103			NE	0.01	NE	NE	0.025	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	0.005	NE	NE	NE	NE	NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			NE	0.00171	0.00165	NE	0.0275	0.447	NE	NE	NE	20.9
EPA RSL for Tap Water (NOV 2015)			0.015	0.017	1.7E-04	1.1E-03	2.8E-03	0.45	1	0.66	2	21
Well ID	DATE SAMPLED	METHOD										
	3/7/2014	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	<0.002
	11/11/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	4.7E-03 ¹
	9/4/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	6/17/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	3/19/2013	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.005	<0.015	<0.005	<0.005	
	11/27/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	8/23/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.003	<0.001	<0.001	
	6/14/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	3/21/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	12/15/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	10/24/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	6/20/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	2/24/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	11/8/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	9/27/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	6/4/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	3/24/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Detected for the first time.

8.10 OW-50, OW-52
BTEX Analytical Result Summary

			Parameters				
			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
OW-50	8/10/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/15/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/4/2013 ¹	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/27/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/23/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/13/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/22/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/15/2011	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	10/25/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/20/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/1/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/9/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/27/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/1/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/16/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
OW-52	8/10/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/15/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/4/2013 ¹	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/27/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/23/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/13/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/22/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/13/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/25/2011	8021B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/20/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/1/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/9/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/27/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/1/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/16/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Beginning in 2013, sampling frequency changed to annual per concurrence by NMED in Comment 6 of NMED Disapproval Facility Wide Ground Water Monitoring Work Plan 2011 Updates 9/24/12.

8.10.1 OW-50, OW-52
General Chemistry and DRO/GRO Analytical Result Summary

			Parameters									
			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	NE	1.0	10	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	NE	1.97	31.6	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	NE	2	32	4.0E-04	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD										
OW-50	8/10/2015	300.0/8015B	0.47	31	0.36	<1.0	<1.0	<0.5	150	<1.0	<0.05	<5.0
	9/15/2014	300.0/8015B	0.45	30	0.26	<0.1	<0.1	<0.5	150	<1.0	<0.05	<5.0
	9/4/2013 ¹	300.0/8015B	0.5	26	0.18	2	2	<0.5	140	<1.0	<0.05	<5.0
	11/27/2012	300.0/8015B	0.54	28	<0.5	<1.0	<1.0	<2.5	160	<1.0	<0.05	<5.0
	8/23/2012	300.0/8015B	0.42	26	0.22	<1.0	<1.0	<0.5	140	<1.0	<0.05	<5.0
	6/13/2012	300.0/8015B	0.54	27	0.27	<1.0	<1.0	<0.5	140	<1.0	<0.05	<5.0
	3/22/2012	300.0/8015B	0.59	27	0.22	<0.1	0.15	<0.5	150	<1.0	<0.05	<5.0
	12/15/2011	300.0/8015B	0.49	25	0.19	<1.0	<1.0	<0.5	140	<1.0	<0.05	<5.0
	10/25/2011	300.0/8015B	0.49	26	0.15	NL	NL	<0.5	140	<1.0	<0.05	<5.0
	6/20/2011	300.0/8015B	0.53	28	0.22	<0.1	<0.1	<0.5	150	<1.0	<0.05	<5.0
	3/1/2011	300.0/8015B	0.49	26	0.2	<0.1	<0.1	<0.5	140	<1.0	<0.05	<5.0
	11/9/2010	300.0/8015B	0.51	29	NL	<0.1	<0.1	<0.5	160	<1.0	<0.05	
	9/27/2010	300.0/8015B	0.41	26	NL	<0.1	<0.1	<0.5	140	<1.0	<0.05	
	6/1/2010	300.0/8015B	0.53	27	0.22	<0.1	<0.1	<0.5	140	<1.0	<0.05	
	3/16/2010	300.0/8015B	0.53	29	0.22	<0.1	<0.1	<0.5	150	<1.0	<0.05	
OW-52	8/10/2015	300.0/8015B	0.47	25	0.28	<1.0	<1.0	<0.5	130	<1.0	<0.05	<5.0
	9/15/2014	300.0/8015B	0.5	27	0.19	<0.1	<0.1	<0.5	130	<1.0	<0.05	<5.0
	9/4/2013 ¹	300.0/8015B	0.5	27	0.17	4.6	4.6	<0.5	140	<1.0	<0.05	<5.0
	11/27/2012	300.0/8015B	0.64	28	<0.5	<1.0	<1.0	<2.5	140	<1.0	<0.05	<5.0
	8/23/2012	300.0/8015B	0.49	25	0.16	<1.0	<1.0	<0.5	120	<1.0	<0.05	<5.0
	6/13/2012	300.0/8015B	0.58	27	0.19	<1.0	<1.0	<0.5	140	<1.0	<0.05	<5.0
	3/22/2012	300.0/8015B	0.56	26	0.17	<0.1	<0.1	<0.5	130	<1.0	<0.05	<5.0
	12/13/2011	300.0/8015B	<0.5	27	0.17	<1.0	<1.0	<0.5	130	<1.0	<0.05	<5.0
	10/25/2011	300.0/8015B	0.4	20	<0.1	1.3	1.3	<0.5	100	<1.0	<0.05	<5.0
	6/20/2011	300.0/8015B	0.56	24	0.19	<0.1	<0.1	<0.5	140	<1.0	<0.05	<5.0
OW-52	3/1/2011	300.0/8015B	0.57	25	0.17	<0.1	<0.1	<0.5	130	<1.0	<0.05	<5.0
	11/9/2010	300.0/8015B	0.54	32	0.17	<0.1	<0.1	<0.5	140	<1.0	<0.05	
	9/27/2010	300.0/8015B	0.52	27	NL	<0.1	<0.1	<0.5	140	<1.0	<0.05	

8.10.1 OW-50, OW-52

General Chemistry and DRO/GRO Analytical Result Summary

			Parameters									
			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	NE	1.0	10	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	NE	1.97	31.6	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	NE	2	32	4.0E-04	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD										
	6/1/2010	300.0/8015B	0.52	28	NL	<0.1	<0.1	<0.5	140	<1.0	<0.05	
	3/16/2010	300.0/8015B	0.56	31	0.18	<0.1	<0.1	<0.5	150	<1.0	<0.05	

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Sampling frequency changed to annual per concurrence by NMED in Comment 6 of NMED Disapproval Facility Wide Ground Water Monitoring Work Plan 2011 Updates, 9/24/12.

8.10.2 OW-50, OW-52

Total Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.3	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	6.30E-04	0.06	6
Well ID	DATE SAMPLED	METHOD													
OW-50	8/10/2015	200.7/200.8	1.9E-03	0.14	<0.002	<0.006	<0.006	0.68	2.4E-03	0.14	<0.001	<0.005	<0.0002	0.011	0.017
	9/15/2014	200.7/200.8	1.9E-03	0.075	<0.002	<0.006	<0.006	0.18	<0.001	0.11	1.0E-03	<0.005	<0.0002	0.01	<0.01
	9/4/2013	200.7/200.8	1.8E-03	0.058	<0.002	<0.006	<0.006	0.6	2.1E-03	0.11	<0.001	<0.005	<0.0002	8.4E-03	0.013
	11/27/2012	200.7/200.8	<0.0025	0.12	<0.002	<0.006	<0.006	1.3	<0.005	0.12	<0.0025	<0.005	<0.0002	9.6E-03	<0.01
	8/23/2012	200.7/200.8	<0.0025	0.043	<0.002	<0.006	8.6E-03	0.071	<0.005	0.058	<0.0025	<0.005	<0.0002	0.008	0.011
	6/13/2012	200.7/200.8	<0.0025	0.081	<0.002	<0.006	<0.006	0.89	<0.005	0.1	<0.0025	<0.005	<0.0002	7.4E-03	<0.01
	3/22/2012	200.7/200.8	<0.0025	0.029	<0.002	<0.006	<0.006	0.31	<0.005	0.035	<0.0025	<0.005	<0.0002	0.011	<0.01
	12/15/2011	200.7/200.8	<0.0025	0.07	<0.002	<0.006	<0.006	0.51	<0.005	0.095	<0.0025	<0.005	<0.0002	8.7E-03	<0.01
	10/25/2011	200.7/200.8	<0.0025	0.041	<0.002	<0.006	<0.006	0.022	<0.005	0.082	<0.0025	<0.005	<0.002	7.2E-03	<0.01
	6/20/2011	200.7/200.8	<0.0025	0.046	<0.002	<0.006	<0.006	0.16	<0.005	0.085	<0.0025	<0.005	<0.0002	7.1E-03	<0.01
	3/1/2011	200.7/200.8	0.003	0.045	<0.002	<0.006	<0.006	0.24	<0.005	0.086	<0.05	<0.005	<0.0002	7.2E-03	<0.01
	11/9/2010	200.7/200.8	3.1E-03	0.038	<0.002	<0.006	<0.006	<0.02	<0.005	0.079	5.5E-03	<0.005	<0.0002	NL	0.02
	9/27/2010	6010B	<0.02	0.041	<0.002	<0.006	<0.006	0.15	<0.005	0.032	<0.05	<0.005	<0.0002	0.006	<0.02
	6/1/2010	6010B	<0.02	0.042	<0.002	<0.006	NL	NL	<0.005	NL	<0.05	<0.005	<0.0002	NL	<0.02
	3/16/2010	6010B	<0.02	0.038	<0.002	<0.006	<0.006	<0.05	<0.005	0.079	<0.05	<0.005	<0.0002	6.26E-03	<0.02
OW-52	8/10/2015	200.7/200.8	<0.001	0.031	<0.002	<0.006	<0.006	0.17	<0.0005	0.033	<0.001	<0.005	<0.0002	0.012	<0.01
	9/15/2014	200.7/200.8	<0.001	0.032	<0.002	<0.006	<0.006	0.31	<0.001	0.036	<0.001	<0.005	<0.0002	0.011	<0.01
	9/4/2013	200.7/200.8	<0.001	0.029	<0.002	<0.006	<0.006	0.22	<0.001	0.043	<0.001	<0.005	<0.0002	0.011	<0.01
	11/27/2012	200.7/200.8	<0.0025	0.029	<0.002	<0.006	<0.006	0.15	<0.005	0.029	<0.0025	<0.005	<0.0002	0.011	<0.01
	8/23/2012	200.7/200.8	<0.0025	0.029	<0.002	<0.006	0.014	0.3	<0.005	0.026	<0.0025	<0.005	<0.0002	7.6E-03	0.012
	6/13/2012	200.7/200.8	<0.0025	0.028	<0.002	<0.006	<0.006	0.17	<0.005	0.027	<0.0025	<0.005	<0.0002	0.01	<0.01
	3/22/2012	200.7/200.8	<0.0025	0.072	<0.002	<0.006	<0.006	0.52	<0.005	0.094	<0.0025	<0.005	<0.0002	7.6E-03	<0.01
	12/13/2011	200.7/200.8	<0.0025	0.034	<0.002	6.9E-03	<0.006	0.43	<0.005	0.039	<0.0025	<0.005	<0.0002	0.01	<0.01
	10/25/2011	200.7/200.8	<0.0025	0.025	<0.002	<0.006	<0.006	0.13	<0.005	0.032	<0.0025	<0.005	<0.0002	0.01	<0.01
	6/20/2011	200.7/200.8	<0.0025	0.026	<0.002	<0.006	<0.006	0.11	<0.005	0.036	<0.0025	<0.005	<0.002	0.012	<0.01
	3/1/2011	200.7/200.8	<0.0025	0.027	<0.002	<0.006	<0.006	0.35	<0.005	0.044	<0.05	<0.005	NL	3.6E-03	<0.01
	11/19/2010	200.7/200.8	<0.0025	0.026	<0.002	<0.006	<0.006	0.056	<0.005	0.028	4.6E-03	<0.005	<0.0002	NL	<0.01
	9/27/2010	6010B	<0.02	0.025	<0.002	<0.006	<0.006	0.065	<0.005	0.03	<0.05	<0.005	<0.0002	0.01	<0.02
	6/1/2010	6010B	<0.02	0.024	<0.002	<0.006	NL	NL	<0.005	NL	<0.05	<0.005	<0.0002	NL	NL
	3/16/2010	6010B	<0.02	0.027	<0.002	<0.006	<0.006	0.15	<0.005	0.032	<0.05	<0.005	<0.0002	1.03E-02	<0.02

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.10.3 OW-50, OW-52

Dissolved Metals Analytical Result Summary

			Parameters											
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	NE	NE	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
Well ID	DATE SAMPLED	METHOD												
OW-50	8/10/2015	200.7/200.8	<0.005	0.048	<0.002	<0.006	<0.006	<0.02	<0.0025	0.089	<0.005	<0.005	0.01	<0.01
	9/15/2014	200.7/200.8	2.4E-03	0.047	<0.002	<0.006	<0.006	<0.02	<0.001	0.091	1.7E-03	<0.005	9.8E-03	<0.01
	9/4/2013	200.7/200.8	<0.005	0.042	<0.002	<0.006	<0.006	<0.02	<0.005	0.1	<0.005	<0.005	<0.01	<0.01
	11/27/2012	200.7/200.8	1.9E-03	0.052	<0.002	<0.006	<0.006	0.41	<0.005	0.093	<0.001	<0.005	9.3E-03	0.012
	8/23/2012	200.7/200.8	1.9E-03	0.04	<0.002	<0.006	<0.006	<0.02	<0.005	0.051	<0.001	<0.005	7.7E-03	0.014
	6/13/2012	200.7/200.8	1.9E-03	0.041	<0.002	<0.006	<0.006	<0.02	<0.005	0.081	<0.001	<0.005	8.5E-03	0.012
	3/22/2012	200.7/200.8	1.9E-03	0.041	<0.002	<0.006	<0.006	<0.02	<0.005	0.082	<0.001	<0.005	7.6E-03	0.039
	12/15/2011	200.7/200.8	1.8E-03	0.04	<0.002	<0.006	<0.006	<0.1	<0.005	0.079	<0.001	<0.005	8.1E-03	<0.01
	10/25/2011	200.7/200.8	1.9E-03	0.041	<0.002	<0.006	<0.006	<0.02	<0.005	0.082	<0.001	<0.005	7.4E-03	<0.01
	6/20/2011	200.7/200.8	2.2E-03	NA	<0.002	<0.006	NA	<0.02	<0.005	0.088	1.3E-03	<0.005	7.5E-03	0.021
	3/1/2011	200.7/200.8	2.6E-03	0.039	<0.002	<0.006	<0.006	<0.02	<0.005	0.082	<0.05	<0.005	6.9E-03	0.081
	11/9/2010	200.7/200.8	NA	0.037	<0.002	<0.006	<0.006	<0.02	<0.005	0.078	1.4E-03	<0.005	NA	<0.01
	9/27/2010	6010B	<0.02	0.04	<0.002	<0.006	<0.006	<0.02	<0.005	0.081	<0.05	<0.005	0.006	0.064
	6/1/2010	6010B	<0.02	0.04	<0.002	<0.006	<0.006	<0.02	<0.005	0.083	<0.05	<0.005	NA	<0.05
	3/16/2010	6010B	<0.02	0.036	<0.002	<0.006	<0.006	<0.02	<0.005	0.076	<0.05	<0.005	6.41E-03	<0.05
OW-52	8/10/2015	200.7/200.8	<0.005	0.027	<0.002	<0.006	<0.006	0.035	<0.0025	0.031	<0.005	<0.005	0.011	<0.01
	9/15/2014	200.7/200.8	<0.001	0.029	<0.002	<0.006	<0.006	0.051	<0.001	0.026	1.2E-03	<0.005	0.011	<0.01
	9/4/2013	200.7/200.8	<0.005	0.026	<0.002	<0.006	<0.006	0.063	<0.005	0.038	<0.005	<0.005	0.011	<0.01
	11/27/2012	200.7/200.8	<0.001	0.027	<0.002	<0.006	<0.006	0.066	<0.005	0.025	<0.001	<0.005	0.011	0.011
	8/23/2012	200.7/200.8	<0.001	0.022	<0.002	<0.006	<0.006	<0.02	<0.005	5.4E-03	<0.001	<0.005	7.2E-03	0.039
	6/13/2012	200.7/200.8	<0.001	0.026	<0.002	<0.006	<0.006	0.076	<0.005	0.023	<0.001	<0.005	0.011	0.023
	3/22/2012	200.7/200.8	<0.001	0.025	<0.002	<0.006	<0.006	0.071	<0.005	0.03	<0.001	<0.005	0.01	0.084
	12/13/2011	200.7/200.8	<0.001	0.025	<0.002	<0.006	<0.006	0.08	<0.005	0.025	<0.001	<0.005	0.01	<0.01
	10/25/2011	200.7/200.8	<0.001	0.025	<0.002	<0.006	<0.006	0.12	<0.005	0.031	<0.001	<0.005	0.011	<0.01
	6/20/2011	200.7/200.8	<0.001	NA	<0.002	<0.006	NA	0.12	<0.005	0.037	1.5E-03	<0.005	0.013	0.024
	3/1/2011	200.7/200.8	<0.001	0.36	<0.02	<0.006	<0.006	0.064	<0.005	0.68	<0.05	<0.005	7.1E-03	<0.01
	11/9/2010	200.7/200.8	NA	0.025	<0.02	<0.006	<0.006	0.048	<0.005	0.027	NA	<0.005	NA	<0.01
	9/27/2010	6010B	<0.02	0.026	<0.002	<0.006	<0.006	0.058	<0.005	0.031	<0.05	<0.005	0.009	0.079
	6/1/2010	6010B	<0.02	0.026	<0.002	<0.006	<0.006	0.058	<0.005	0.032	<0.05	<0.005	9.26E-03	<0.05
	3/16/2010	6010B	<0.02	0.023	<0.002	<0.006	<0.006	0.034	<0.005	0.028	<0.05	<0.005	9.2E-03	<0.05

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.10.4 OW-50, OW-52

Semi Volatile Organic Compound Analytical Result Summary

			Parameters	
			Benzoic Acid (mg/L)	Bis(2-ethylhexyl)phthalate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	0.006
NMED Tap Water (JULY 2015)			NE	0.0556
EPA RSL for Tap Water (NOV 2015)			75	0.0056
Well ID	DATE SAMPLED	METHOD		
OW-50	8/10/2015	8270C	<0.02	<0.01
	9/15/2014	8270C	<0.02	<0.01
	9/4/2013	8270C	<0.04	<0.01
	12/5/2012 ¹	8270C	<0.02	<0.01
	8/23/2012	8270C	<0.02	<0.01
	6/13/2012	8270C	<0.02	<0.01
	3/22/2012	8270C	<0.02	<0.01
	12/15/2011	8270C	<0.02	<0.01
	10/25/2011	8270C	<0.02	<0.01
	6/20/2011	8270C	<0.02	<0.01
	3/1/2011	8270C	<0.02	<0.01
	11/9/2010	8270C	<0.02	<0.01
	9/27/2010	8270C	<0.02	<0.01
	6/1/2010	8270C	<0.02	<0.01
	3/16/2010	8270C	0.02	0.011
	11/17/2009	8270C	<0.02	<0.01

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Sampled for 8270C only. Samples not collected for this analysis during the 4th quarter sampling.

8.11 RW-1, RW-2, RW-5, RW-6
BTEX Analytical Result Summary

			Parameters				
			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
SAMPLE ID	DATE SAMPLED	METHOD					
RW-1 ¹	10/29/2015		Not Sampled - has an SPH level				
	9/18/2014	8260B	37	35	1.8	10	1.2
	9/16/2013	8260B	54	35	2.4	13	2.2
	8/23/2012	8260B	45	82	4.9	31	3.1
	10/3/2011	8260B	51	37	3.7	23	2.9
RW-2 ¹	10/29/2015	8260B	41	4.6	1.0	2.8	1.7
	8/23/2015	8260B	42	6.9	1.1	3.7	1.8
	9/18/2014	8260B	40	4.5	0.86	2.5	1.9
	9/16/2013	8260B	48	3.4	0.87	2.3	2.8
	8/24/2012	8260B	42	2.6	0.59	1.7	3.3
	10/3/2011	8260B	39	5.3	0.57	1.5	3.7
RW-5 ¹	10/29/2015	8260B	0.5	<0.01	0.13	0.095	<0.01
	8/23/2015	8260B	0.43	<0.005	0.037	0.07	<0.005
	9/18/2014	8260B	0.35	<0.01	0.11	0.056	<0.01
	9/16/2013	8260B	0.37	<0.01	0.11	0.089	<0.01
	8/23/2012	8260B	0.19	<0.01	0.26	0.091	0.032
	10/4/2011	8260B	0.56	<0.01	0.21	0.26	0.095
RW-6 ¹	10/29/2015	8260B	0.34	0.11	0.28	0.85	0.043
	8/23/2015	8260B	0.36	0.071	0.093	0.67	0.05
	9/18/2014	8260B	0.47	0.23	0.45	1.3	0.046
	9/16/2013	8260B	0.68	<0.05	0.18	1.1	<0.05
	8/23/2012	8260B	0.74	0.052	0.4	1.6	0.073
	10/4/2011	8260B	0.87	0.029	0.33	<0.0015	<0.01

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES:

1) Recovery wells added to the approved 2010 FWGWMP (8/25/10) annual sampling schedule.

8.11.1 RW-1, RW-2, RW-3, RW-5

General Chemistry Analytical Result Summary

			Parameters								
			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	NE	600.0	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	1.0	10	NE	NE	10	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	1.97	31.6	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	2	32	4.0E-04	NE	NE	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD									
RW-1 ¹	9/16/2013	300.0	<0.5	370	<0.5	<0.5	<2.5	<2.5			
	8/23/2012	300.0	<0.5	380	<1.0	<1.0	<2.5	<2.5			
	10/3/2011	300.0	<0.5	410	220	220	<2.5	<2.5			
RW-2 ¹	10/29/2015	8015D	NA	NA	NA	NA	NA	NA	9.7	130	<5.0
	8/23/2015	8015D	NA	NA	NA	NA	NA	NA	7.4	82	<5.0
	9/16/2013	300.0	0.27	84	<0.1	<0.1	<0.5	1.7			
	8/24/2012	300.0	<0.5	90	<1.0	<1.0	<2.5	<2.5			
	10/3/2011	300.0	<0.5	130	67	67	<2.5	<2.5			
RW-5 ¹	10/29/2015	8015D	NA	NA	NA	NA	NA	NA	12	3.6	<5.0
	8/23/2015	8015D	NA	NA	NA	NA	NA	NA	4.1	2.2	<5.0
	9/16/2013	300.0	0.89	5.6	<0.1	<0.1	<0.5	<0.5			
	8/23/2012	300.0	0.8	11	<1.0	<1.0	<2.5	<2.5			
	10/4/2011	300.0	0.54	26	14	14	<2.5	<2.5			
RW-6 ¹	10/29/2015	8015D	NA	NA	NA	NA	NA	NA	340	6.2	<50
	8/23/2015	8015D	NA	NA	NA	NA	NA	NA	1400	4.9	<500
	9/16/2013	300.0	<0.5	45	<0.5	<0.5	<2.5	<2.5			
	8/23/2012	300.0	<0.5	45	<1.0	<1.0	<2.5	<2.5			
	10/4/2011	300.0	<0.5	80	<1.0	<1.0	<2.5	<2.5			

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Recovery wells added to the approved 2010 FWGWMP (8/25/10) annual sampling schedule.

8.11.2 RW-1, RW-2, RW-5, RW-6
Total Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	6.3E-04	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD													
RW-1 ¹	9/18/2014	200.7/200.8	<.01	3.5	<0.002	7.5E-03	0.014	9.6	<0.001	3.2	<0.01	<0.005	<0.0002	1.4E-03	<0.01
	9/16/2013	200.7/200.8	9.6E-03	4.9	<0.002	7.5E-03	0.014	19	5.3E-03	3.3	0.01	<0.25	<0.0002	1.9E-03	0.044
	8/23/2012	200.7/200.8	0.01	3.7	<0.002	<0.006	<0.006	6.9	<0.005	3.6	5.7E-03	<0.005	<0.0002	4.1E-03	<0.01
	10/3/2011	200.7/200.8	0.01	4.8	<0.002	<0.006	0.035	4.6	<0.005	3.3	7.5E-03	<0.005	<0.0002	4.3E-03	0.06
RW-2 ¹	9/18/2014	200.7/200.8	8.6E-03	4.1	<0.002	<0.006	<0.006	15	4.3E-03	2.6	5.7E-03	<0.005	<0.0002	<0.001	0.016
	9/16/2013	200.7/200.8	6.4E-03	3.9	<0.002	<0.006	<0.006	13	2.1E-03	2.3	7.4E-03	<0.1	<0.0002	<0.001	0.026
	8/24/2012	200.7/200.8	6.9E-03	3.7	<0.002	<0.006	<0.006	10	<0.005	2.1	4.4E-03	<0.005	<0.0002	<0.0025	<0.01
	10/3/2011	200.7/200.8	6.1E-03	3.1	<0.002	<0.006	9.8E-03	11	<0.005	2.2	6.9E-03	<0.005	<0.0002	<0.0025	0.028
RW-5 ¹	9/18/2014	200.7/200.8	1.9E-03	2	<0.002	<0.006	<0.006	2.8	<0.001	0.5	<0.001	<0.005	<0.0002	<0.001	<0.01
	9/16/2013	200.7/200.8	2.2E-03	2.3	<0.002	<0.006	<0.006	4.0	<0.001	0.59	<0.001	<0.005	<0.0002	<0.001	<0.01
	8/23/2012	200.7/200.8	3.3E-03	3.1	<0.002	<0.006	<0.006	5.0	<0.005	0.76	<0.0025	<0.005	<0.0002	<0.0025	<0.01
	10/4/2011	200.7/200.8	6.3E-03	3.7	<0.002	<0.006	<0.006	7.8	<0.005	0.97	<0.0025	<0.005	<0.0002	<0.0025	0.013
RW-6 ¹	9/18/2014	200.7/200.8	0.014	3.3	<0.002	<0.006	<0.006	6.8	6.7E-03	0.79	1.5E-03	<0.005	<0.0002	<0.001	<0.01
	9/16/2013	200.7/200.8	0.013	3.6	<0.002	<0.006	<0.006	11	6.9E-03	0.9	1.5E-03	<0.005	<0.0002	<0.001	<0.01
	8/23/2012	200.7/200.8	0.015	3.7	<0.002	<0.006	<0.006	7.4	9.3E-03	0.89	<0.0025	<0.005	<0.0002	<0.0025	<0.01
	10/4/2011	200.7/200.8	0.017	4.2	<0.002	<0.006	<0.006	11	9.3E-03	1.1	<0.0025	<0.005	<0.0002	<0.0025	<0.01

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Recovery wells added to the approved 2010 FWGWMP (8/25/10) annual sampling schedule.

Metals(Total and Dissolved) no longer required per NMED Comment 7(f), Approval with Modifications...dated July 24, 2015.

8.11.3 RW-1, RW-2, RW-5, RW-6
Dissolved Metals Analytical Result Summary

			Parameters											
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
RW-1 ¹	9/18/2014	200.7/200.8	<0.01	3.6	<0.002	<0.006	<0.006	9.6	<0.001	3.3	<0.01	<0.005	1.4E-03	0.067
	9/16/2013	200.7/200.8	8.2E-03	5.3	<0.002	<0.006	<0.006	11	<0.001	3.5	0.012	<0.05	<0.001	0.017
	8/23/2012	200.7/200.8	0.009	3.6	<0.002	<0.006	<0.006	7.6	<0.005	3.6	6.2E-03	<0.005	4.1E-03	0.021
	10/3/2011	200.7/200.8	7.1E-03	5.0	<0.002	<0.006	<0.006	5.2	<0.005	3.3	0.013	<0.005	2.8E-03	0.067
RW-2 ¹	9/18/2014	200.7/200.8	<0.01	3.8	<0.002	<0.006	<0.006	13	<0.001	2.4	<0.01	<0.005	<0.001	0.023
	9/16/2013	200.7/200.8	5.7E-03	3.9	<0.002	<0.006	<0.006	11	<0.001	2.2	7.6E-03	<0.1	<0.001	<0.01
	8/24/2012	200.7/200.8	7.3E-03	3.5	<0.002	<0.006	<0.006	10	<0.005	2.1	4.6E-03	<0.005	<0.001	0.023
	10/3/2011	200.7/200.8	0.006	2.8	<0.002	<0.006	<0.006	6.1	<0.005	2.0	0.01	<0.005	<0.001	<0.01
RW-5 ¹	9/18/2014	200.7/200.8	0.002	1.9	<0.002	<0.006	<0.006	2.6	<0.001	0.5	<0.001	<0.005	<0.001	0.049
	9/16/2013	200.7/200.8	0.002	2.5	<0.002	<0.006	<0.006	3.3	<0.001	0.61	<0.001	<0.005	<0.001	<0.01
	8/23/2012	200.7/200.8	2.2E-03	2.7	<0.002	<0.006	<0.006	3.7	<0.005	0.7	0.001	<0.005	<0.001	0.017
	10/4/2011	200.7/200.8	4.8E-03	3.1	<0.002	<0.006	<0.006	5.4	<0.005	0.89	3.5E-03	<0.005	<0.001	<0.01
RW-6 ¹	9/18/2014	200.7/200.8	1.4E-02	3.2	<0.002	<0.006	<0.006	6.5	4.9E-03	0.75	<0.005	<0.005	<0.001	0.024
	9/16/2013	200.7/200.8	9.6E-03	3.6	<0.002	<0.006	<0.006	7.1	3.4E-03	0.87	2.5E-03	<0.005	<0.001	0.032
	8/23/2012	200.7/200.8	0.015	3.7	<0.002	<0.006	<0.006	8.3	9.1E-03	0.92	1.6E-03	<0.005	<0.001	0.021
	10/4/2011	200.7/200.8	0.016	4.1	<0.002	<0.006	<0.006	10	0.007	1.1	4.4E-03	<0.005	<0.001	<0.01

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Recovery wells added to the approved 2010 FWGWMP (8/25/10) annual sampling schedule.

Metals (Total and Dissolved) no longer required per NMED Comment 7(f), Approval with Modifications...dated July 24, 2015.

8.11.4 RW-1, RW-2, RW-5, RW-6

Volatile Organic Compound Analytical Result Summary

			Parameters										
			1,2,4-Trimethyl- benzene (mg/L)	1,3,5-Trimethyl- benzene (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Chloromethane (mg/L)	Isopropyl benzene (mg/L)	4-Isopropyl toluene (mg/L)	n-Propyl benzene (mg/L)	Sec-butyl benzene (mg/L)	Styrene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.1
NMED Tap Water (JULY 2015)			NE	NE	0.00165	NE	NE	0.0203	0.447	NE	NE	NE	1.21
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	1.7E-04	1.1E-03	0.0036	0.19	0.45	NE	0.66	2	1.2
SAMPLE ID	DATE SAMPLED	METHOD											
RW-1 ²	9/18/2014	8260B	<1.0	<1.0	<2.0	<4.0	<4.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/16/2013	8260B	1.3	<1.0	<2.0	<4.0	<4.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/23/2012	8260B	2.8	<1.0	<2.0	<4.0	<4.0	<0.03	<0.01	<0.01	<0.01		<0.01
	10/3/2011	8260B	5.8	0.98	0.6	0.071	0.15	<0.03	<0.01	<0.01	0.4		0.013
RW-2 ²	10/29/2015	8260B	0.18	0.031	0.14	0.075	<0.04	<0.03	0.02	<0.01	0.046		<0.01
	8/23/2015	8260B	0.21	<0.2	<0.4	<0.8	<0.8	<0.6	<0.2	<0.2	<0.6		<0.2
	9/18/2014	8260B	0.15	<0.1	<0.2	<0.4	<0.4	<0.3	<0.1	<0.1	<0.1		
	9/16/2013	8260B	0.13	<0.1	<0.2	<0.4	<0.4	<0.3	<0.1	<0.1	<0.1		
	8/24/2012	8260B	<0.1	<0.1	<0.2	<0.4	<0.4	<0.3	<0.1	<0.1	<0.1		<0.1
	10/3/2011	8260B	0.098	0.024	0.057	0.054	<0.04	0.14	<0.01	<0.01	0.036		<0.01
RW-5 ²	10/29/2015	8260B	0.048	0.015	0.17	0.11	0.13	<0.03	<0.01	<0.01	0.027	<0.01	<0.01
	8/23/2015	8260B	0.041	0.012	0.085	0.067	0.083	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005
	9/16/2013	8260B	0.045	0.011	0.1	0.084	0.11	<0.03	0.012	<0.01	0.039	0.01	<0.01
	9/16/2013	8260B	0.09	0.022	0.12	0.097	0.13	<0.03	<0.01	<0.01	0.031	<0.01	<0.01
	8/23/2012	8260B	0.054	0.016	0.11	0.11	0.17	<0.03	0.018	<0.01	0.068	0.013	<0.01
	10/4/2011	8260B	0.13	0.046	0.17	0.11	0.16	<0.03	0.017	0.01	0.04		<0.01
RW-6 ²	10/29/2015	8260B	0.09	0.1	0.68	0.32	0.41	<0.03	0.025	0.01	0.044	<0.01	<0.01
	8/23/2015	8260B	0.095	0.11	0.41	0.22	0.29	<0.03	<0.01	0.01	0.012	<0.01	<0.01
	9/18/2014	8260B	0.17	0.17	0.57	0.19	0.28	<0.03	0.045	0.011	0.11	0.011	<0.01
	9/16/2013	8260B	0.28	0.14	0.48	0.2	0.27	<0.15	<0.05	<0.05	<0.05	<0.05	<0.05
	8/23/2012	8260B	0.38	0.17	0.58	0.22	0.36	<0.15	<0.05	<0.05	0.074	<0.05	<0.05
	10/4/2011	8260B	0.42	0.16	0.52	0.21	0.31	<0.03	0.043	0.015	0.078		<0.01

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

2) Recovery wells added to the approved 2010 FWGWMP (8/25/10) annual sampling schedule.

8.11.5 RW-1, RW-2, RW-5, RW-6

Semi-Volatile Organic Compound Analytical Result Summary

			Parameters											
			Aniline (mg/L)	Benzoic Acid (mg/L)	Benzyl Alcohol (mg/L)	2,4-Dimethyl phenol (mg/L)	2-Methyl naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE	
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
NMED TAP WATER (JULY 2015)			NE	NE	NE	0.354	NE	NE	NE	NE	0.00165	0.17	5.76	NE
EPA RSL for Tap Water (NOV 2015)			0.013	75	2	0.36	0.0036	1.1E-03	0.93	0.93	1.7E-04	NE	5.8	0.02
SAMPLE ID	DATE SAMPLED	METHOD												
RW-1 ²	9/18/2014	8270C	0.021	<0.02	<0.01	0.037	0.061	0.071	0.05	0.062	0.13	<0.01	0.044	<0.01
	9/16/2013	8270C	0.089	<0.04	<0.01	0.087	0.21	0.19	0.14	0.15	0.43	0.011	0.1	<0.01
	8/23/2012	8270C	0.16	<0.2	<0.1	0.21	0.61	0.3	0.24	0.16	0.89	0.02	0.11	0.031
	10/3/2011	8270C	<0.1	<0.2	<0.1	<0.1	1.1	0.5	<0.1	<0.1	1.3	<0.1	<0.1	
RW-2 ²	9/18/2014	8270C	0.14	<0.02	<0.01	0.084	<0.01	0.068	0.032	0.22	0.065	<0.01	0.061	
	9/16/2013	8270C	0.22	<0.04	<0.01	0.15	<0.01	0.061	0.048	0.22	0.065	<0.01	0.095	
	8/24/2012	8270C	0.21	<0.02	<0.01	0.22	<0.01	0.043	0.028	0.025	0.043	<0.01	0.091	
	10/3/2011	8270C	0.15	0.021	<0.01	0.16	<0.01	0.023	0.09	0.032	0.026	<0.01	0.038	
RW-5 ²	9/18/2014	8270C	<0.01	<0.02	<0.01	<0.01	0.044	0.039	<0.02	<0.01	0.039	<0.01	<0.01	
	9/16/2013	8270C	<0.01	<0.04	<0.01	<0.01	0.062	0.056	<0.01	<0.01	0.066	<0.01	0.018	
	8/23/2012	8270C	<0.01	<0.02	<0.01	<0.01	0.11	0.088	<0.01	<0.01	0.079	<0.01	<0.01	
	10/4/2011	8270C	<0.01	<0.02	<0.01	<0.01	0.13	0.1	<0.01	<0.01	0.11	<0.01	<0.01	
RW-6 ²	9/18/2014	8270C	<0.01	<0.02	<0.01	<0.01	0.19	0.17	<0.02	<0.01	0.35	<0.01	<0.01	
	9/16/2013	8270C	<0.01	<0.04	<0.01	<0.01	0.51	0.44	<0.01	<0.01	0.66	<0.01	<0.01	
	8/23/2012	8270C	<0.01	<0.02	<0.01	<0.01	0.65	0.49	<0.01	<0.01	0.55	<0.01	<0.01	
	10/4/2011	8270C	<0.1	<0.2	<0.1	<0.1	0.59	0.42	<0.1	<0.1	0.46	<0.1	<0.1	

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

2) Recovery wells added to the approved 2010 FWGWMP (8/25/10) annual sampling schedule.

8.12.2 PW-2, PW-3, PW-4

Dissolved Metals Analytical Result Summary

			Parameters										
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.06	6
Well ID	DATE SAMPLED	METHOD											
PW-2	9/10/2014	200.7/200.8	3.1E-03	0.012	<0.002	<0.006	<0.006	0.042	<0.001	<0.002	1.4E-03	2.4E-03	0.012
	12/15/2011 ¹	200.7/200.8	2.7E-03	0.014	<0.002	<0.006	<0.006	0.23	<0.005	0.006	<0.001	1.9E-03	0.053
	10/26/2011	200.7/200.8	<0.001	0.016	<0.002	<0.006	<0.006	<0.02	<0.005	0.06	<0.001	2.2E-03	0.045
	9/12/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PW-3	8/23/2015	200.7/200.8	3.4E-03	0.011	<0.002	<0.006	<0.006	0.034	<0.0005	<0.002	1.4E-03	1.6E-03	<0.01
	9/10/2014	200.7/200.8	3.9E-03	0.011	<0.002	<0.006	<0.006	0.13	<0.001	<0.002	2.0E-03	1.6E-03	0.011
	9/10/2013	200.7/200.8	3.7E-03	0.011	<0.002	<0.006	<0.006	0.28	<0.001	3.6E-03	1.4E-03	1.6E-03	0.029
	8/24/2012	200.7/200.8	3.4E-03	0.011	<0.002	<0.006	<0.006	0.042	<0.005	<0.002	1.2E-03	1.5E-03	0.03
	10/31/2011	200.7/200.8	3.3E-03	0.011	<0.002	<0.006	<0.006	0.079	<0.005	3.5E-03	1.2E-03	1.4E-03	0.06
	9/23/2010	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	0.098	<0.005	<0.002	<0.05	0.001	<0.05
	8/23/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/1/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PW-4	9/10/2013	200.7/200.8	0.003	0.014	<0.002	<0.006	<0.006	0.12	<0.001	0.007	1.2E-03	1.6E-03	<0.01
	7/28/2010	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	0.09	<0.005	3.6E-03	<0.05	1.46E-03	0.086
	9/12/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) PW-2 was re-sampled on 12/15/2011 due to detection of PCE during the Annual sampling event on 10/26/2011.

In the field blank submitted with the 10/26/11 sampling, toluene was detected at 0.0017 ppm.

8.12 PW-2, PW-3, PW-4

BTEX Analytical Result Summary

			Parameters												
			Benzene (mg/L)	Toluene (mg/L)	Ethyl benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	NE	10	1.6	250.0	600	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE	1.0	10	4.0	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143	1.97	31.6	1.18	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014	2	32	0.8	NE	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD													
PW-2	9/10/2014	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.001	NL	0.12						
	12/15/2011 ¹	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.001	NL	0.15						
	10/26/2011	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.001	<0.1	<0.1						
	9/12/2008	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.01	<1.0	<1.0						
PW-3	8/23/2015	8260B/300.0	<0.001	<0.001	<0.001	<0.0015	<0.001	<1.0	<1.0	0.16	31	750	<1.0	<0.05	<5.0
	9/10/2014	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.001	NL	<0.1						
	9/10/2013	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.001	NL	0.15						
	8/24/2012	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.001	<1.0	<1.0						
	10/31/2011	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.01	NL	<0.1						
	9/23/2010	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.01	<1.0	<1.0						
	8/21/2008	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.01	<0.01	0.13						
	1/1/2008	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.01	<0.2	<0.2						
PW-4	9/10/2013	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.001	NL	0.19						
	7/28/2010	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.001	<0.01	0.14						
	9/12/2008	8260B/Anions	<0.001	<0.001	<0.001	<0.0015	<0.01	<0.01	<0.02						

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Re-sampled on 12/15/2011 due to detection of PCE during the Annual sampling event on 10/26/2011.

8.12.1 PW-2, PW-3, PW-4
Total Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Cyanide (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.2	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.2	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.00146	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	6.30E-04	1.5E-02	0.06	6
Well ID	DATE SAMPLED	METHOD													
PW-2	9/10/2014	200.7/200.8	3.3E-03	0.014	<0.002	<0.006	<0.006	0.05	<0.001	<0.002	1.4E-03	<0.0002	<0.01	2.4E-03	<0.01
	12/15/2011 ¹	200.7/200.8	5.5E-03	0.12	<0.002	<0.006	<0.006	0.74	<0.005	0.011	<0.0025	<0.0002	<0.01	<0.0025	<0.01
	10/26/2011 ¹	200.7/200.8	<0.0025	0.016	<0.002	<0.006	<0.006	0.29	<0.005	0.058	<0.0025	<0.0002	<0.01	<0.0025	<0.01
	9/12/2008	6010B	<0.02	0.013	<0.002	<0.006	<0.006	0.07	<0.005	<0.002	<0.05	<0.0002	<0.01	1.6E-03	<0.05
PW-3	8/23/2015	200.7/200.8	3.5E-03	0.01	<0.002	<0.006	<0.006	0.079	<0.0005	<0.002	1.2E-03	<0.0002	<0.01	1.7E-03	<0.01
	9/10/2014	200.7/200.8	3.9E-03	0.011	<0.002	<0.006	<0.006	0.3	<0.001	2.5E-03	1.9E-03	<0.0002	<0.01	1.6E-03	0.01
	9/10/2013	200.7/200.8	3.8E-03	0.011	<0.002	<0.006	<0.006	0.2	<0.001	2.2E-03	1.1E-03	<0.0002	<0.01	1.5E-03	0.014
	8/24/2012	200.7/200.8	0.004	0.011	<0.002	<0.006	<0.006	0.24	<0.005	<0.002	<0.0025	<0.0002	8.5E-03	<0.0025	0.027
	10/31/2011	200.7/200.8	3.5E-03	0.01	<0.002	<0.006	<0.006	0.09	<0.005	0.003	1.2E-03	<0.0002	<0.01	1.4E-03	0.023
	9/23/2010	6010B	<0.02	<0.02	<0.002	<0.006	0.032	0.47	7.4E-03	4.6E-03	<0.05	<0.0002	<0.005	0.001	0.037
	8/21/2008	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	<0.05	<0.005	<0.0002	<0.25	<0.0002	<0.004	<6.3E-04	<0.05
	1/1/2008	6010B	<0.02	0.014	<0.002	<0.006	<0.006	0.2	5.6E-03	0.015	<0.5	<0.0002	<0.01	<0.1	0.041
	PW-4	9/10/2013	6010B	2.9E-03	0.014	<0.002	<0.006	<0.006	1.5	<0.001	0.014	1.2E-03	<0.0002	<0.01	1.7E-03
7/28/2010		6010B	<0.02	<0.02	<0.002	<0.006	<0.006	0.23	<0.005	4.4E-03	<0.05	<0.0002	<0.01	2.1E-03	<0.02
9/12/2008		6010B	<0.02	0.013	<0.002	<0.006	<0.006	0.11	<0.005	0.005	<0.05	<0.0002	<0.01	1.4E-03	<0.02

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) PW-2 was re-sampled on 12/15/2011 due to detection of PCE during the Annual sampling event on 10/26/2011.

8.12.3 PW-2, PW-3, PW-4

Volatile and Semi Volatile Organic Compound Analytical Result Summary

			Parameters									
			2,4-Dimethylphenol (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methylphenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Tetrachloro ethene (PCE) (mg/L)	1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	n-Propyl benzene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	0.005	0.02	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	0.005	NE	NE	NE
NMED TAP WATER (JULY 2015)			0.354	NE	NE	NE	0.17	5.76	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.36	0.0036	0.93	0.93	NE	5.8	1.1E-02	0.015	0.12	0.66
Well ID	DATE SAMPLED	METHOD										
PW-2	9/10/2014	8270C/8260B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.001			
	12/15/2011 ³	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001			
	10/26/2011	8270C/8260B	<0.01	<0.004	<0.01	<0.01	<0.01	<0.01	7.3E-03 ²			
PW-3	8/23/2015	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001			
	9/10/2014	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001			
	9/10/2013	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001			
	8/24/2012	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001			
	10/31/2011	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
	11/1/2010	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
	9/23/2010	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
	8/21/2008	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
	1/1/2008 ¹	8270C	0.016	0.032	0.21	0.36	0.017	0.8				
PW-4	9/9/2013	8260B								6.8E-03 ⁴	2.3E-03 ⁴	1.3E-03 ⁴

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Due to inclement weather conditions in December 2007, the 2007 annual sampling was completed in January 2008.

2) PW-2: Detected for the first time. In the field blank submitted, toluene was detected at 0.0017 mg/L.

3) PW-2 was re-sampled due to the detection of PCE in the 10/26/2011 sample.

4) PW-4: Detected for the first time.

8.13 OW-1, OW-10

BTEX Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
OW-1	10/28/2015	8260B	1.4E-03	2.4E-03	<0.001	2.2E-03	1.6E-03
	8/12/2015	8260B	<0.002	<0.002	<0.002	<0.003	<0.002
	6/3/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/9/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/10/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/11/2014	8260B	<0.002	<0.002	<0.002	<0.003	<0.002
	6/3/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/7/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/11/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/4/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/13/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/19/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/27/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/22/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/13/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/22/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/15/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/27/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/20/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/1/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/10/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/21/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/15/2010	8021B	<0.001	<0.001	<0.001	<0.0015	<0.001
OW-10	10/28/2015	8260B	<0.001	2.3E-03	1.1E-03	4.2E-03	0.051
	8/12/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.058
	6/3/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.055
	3/9/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.061
	11/10/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.098
	9/12/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.11
	6/3/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.092
	3/7/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.079
	11/11/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.062
	9/4/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.065

8.13 OW-1, OW-10

BTEX Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
	6/13/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.22
	3/19/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.17
	11/27/2012	8260B	<0.001	<0.001	<0.001	<0.0015	0.23
	8/22/2012	8260B	<0.001	<0.001	<0.001	<0.0015	0.044
	6/13/2012	8260B	<0.001	<0.001	<0.001	<0.0015	0.13
	3/22/2012	8260B	<0.001	<0.001	<0.001	<0.0015	0.031
	12/15/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.058
	10/26/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.038
	6/20/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.046
	2/28/2011	8260B	<0.001	<0.001	<0.001	<0.0015	0.036
	11/10/2010	8260B	<0.001	<0.001	<0.001	<0.0015	0.036
	9/21/2010	8260B	<0.001	<0.001	<0.001	<0.0015	0.037
	3/15/2010	8260B	<0.001	<0.001	<0.001	<0.0015	0.033

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.13.1 OW-1, OW-10

General Chemistry Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	pH	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	6 to 9	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	NE	1.0	10	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	NE	1.97	31.6	NE	NE	N	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	NE	2	32	NE	NE	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD											
OW-1	10/8/2015	300.0/8015B	0.25	71	0.26	<0	<1.0	<0.5	160	NA	<1.0	<0.05	<5.0
	8/12/2015	300.0/8015D	0.29	68	0.25	<1.0	<1.0	<0.5	160	NA	<1.0	<0.1	<5.0
	6/3/2015	300.0/8015D	<0.5	77	<0.5	<1.0	<1.0	<2.5	190	NA	<1.0	<0.05	<5.0
	3/9/2015	300.0/8015D	0.23	67	0.28	<1.0	<1.0	<0.5	170	NA	<1.0	<0.05	<5.0
	11/10/2014	300.0/8015B	0.3	72	0.27	<0.1	0.3	<0.5	170	NA	<1.0	<0.05	<5.0
	9/11/2014	300.0/8015B	<0.5	60	<0.5	<1.0	<1.0	<2.5	150	NA	<1.0	<0.05	<5.0
	6/3/2014	300.0/8015B	0.26	66	0.27	<1.0	<1.0	<0.5	160	NA	<1.0	<0.05	<5.0
	3/7/2014	300.0/8015B	0.3	65	0.27	<1.0	<1.0	<0.5	170	NA	<1.0	<0.05	<5.0
	11/11/2013	300.0/8015B	0.28	65	0.26	4.7	4.7	<0.5	170	NA	<1.0	<0.05	NA
	9/4/2013	300.0/8015B	0.3	66	0.22	29	29	<0.5	180	NA	<1.0	<0.05	<5.0
	6/13/2013	300.0/8015B	<1.0	61	<1.0	<1.0	<1.0	<5.0	180	NA	<1.0	<0.05	<5.0
	3/19/2013	300.0/8015B	<0.5	70	<0.5	<1.0	<1.0	<2.5	200	NA	<1.0	<0.05	<5.0
	11/27/2012	300.0/8015B	<0.5	72	0.75	<1.0	<1.0	<2.5	180	NA	<1.0	<0.05	<5.0
	8/22/2012	300.0/8015B	0.24	62	0.26	<1.0	<1.0	<0.5	170	NA	<1.0	<0.05	<5.0
	6/13/2012	300.0/8015B	0.34	61	0.26	<1.0	<1.0	NL	180	8.76	<1.0	<0.05	<5.0
	3/22/2012	300.0/8015B	0.34	62	0.27	<0.1	0.33	<0.5	170	NA	<1.0	<0.05	<5.0
	12/15/2011	300.0/8015B	0.31	63	0.25	<1.0	<1.0	<0.5	180	NA	<1.0	<0.05	NL
	10/27/2011	300.0/8015B	0.3	65	0.21	<1.0	<1.0	<0.5	180	NA	NL	<0.05	<5.0
	6/20/2011	300.0/8015B	0.33	64	0.3	<0.1	0.5	<0.5	180	8.87	<1.0	<0.05	<1.0
	3/1/2011	300.0/8015B	0.29	68	0.27	1.1	1.1	<0.5	180	NA	<1.0	<0.05	
	11/10/2010	300.0/8015B	0.31	64	NL	<1.0	<1.0	<0.5	180	NA	<1.0	<0.05	
OW-10	9/10/2010	300.0/8015B	0.32	60	NL	<1.0	<1.0	<0.5	190	NA	<1.0	<0.05	
	3/15/2010	300.0/8015B	0.33	58	0.24	4.1	4.1	<0.5	190	NA	<1.0	<0.05	
	10/28/2015	300.0/8015B	<0.1	1500	0.13	<1.0	<1.0	<0.5	220	NA	<1.0	<0.05	<5.0
	8/12/2015	300.0/8015D	<0.1	1900	2.7	<1.0	<1.0	<0.5	240	NA	<1.0	0.064	<5.0
	6/3/2015	300.0/8015D	<0.5	1500	1.6	<1.0	<1.0	<2.5	240	NA	<1.0	0.067	<5.0
	3/9/2015	300.0/8015D	0.22	840	1.1	<1.0	<1.0	<0.5	200	NA	<1.0	<0.05	<5.0
	11/10/2014	300.0/8015B	0.2	1600	0.69	<2.0	0.22	<0.5	200	NA	<1.0	0.087	<5.0
	9/12/2014	300.0/8015B	0.12	1500	1.4	<1.0	<1.0	<0.5	200	NA	<1.0	0.064	<5.0
	6/3/2014	300.0/8015B	<0.1	1500	1.2	<4.0	<4.0	<0.5	200	NA	<1.0	0.069	<5.0
	3/7/2014	300.0/8015B	0.2	1200	0.43	<1.0	<1.0	<0.5	190	NA	<1.0	<0.05	<5.0
	11/11/2013	300.0/8015B	0.17	850	0.73	1.3	1.3	<0.5	150	NA	<1.0	0.055	NA
	9/4/2013	300.0/8015B	0.19	1200	0.98	11	11	<0.5	180	NA	<1.0	0.051	<5.0
	6/13/2013	300.0/8015B	<1.0	2400	1.9	<1.0	<1.0	<5.0	250	NA	<1.0	0.15	<5.0
	3/19/2013	300.0/8015B	<0.5	1700	<0.5	<1.0	<1.0	<2.5	230	NA	<1.0	0.11	<5.0
	11/27/2012	300.0/8015B	<0.5	2100	11	<4.0	<4.0	<2.5	240	NA	<1.0	0.13	<5.0
	8/22/2012	300.0/8015B	0.34	280	0.59	<1.0	<1.0	<0.5	130	NA	<1.0	<0.05	<5.0
	6/13/2012	300.0/8015B	0.31	980	<2.0	<1.0	<1.0	<10	160	7.65	<1.0	0.14	<5.0
	3/22/2012	300.0/8015B	0.41	260	0.64	<0.1	0.59	<0.5	140	NA	<1.0	0.062	<5.0

8.13.1 OW-1, OW-10

General Chemistry Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	pH	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	6 to 9	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	NE	1.0	10	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	NE	1.97	31.6	NE	NE	N	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	NE	2	32	NE	NE	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD											
	12/15/2011	300.0/8015B	0.31	420	0.54	<1.0	<1.0	<0.5	150	NA	<1.0	0.084	<5.0
	10/26/2011	300.0/8015B	0.34	500	0.82	<2.0	0.38	<0.5	140	NA	NL	<0.05	NL
	6/20/2011	300.0/8015B	<0.50	300	0.75	<2.0	0.52	<0.5	140	8.42	<1.0	0.053	<5.0
	2/28/2011	300.0/8015B	0.34	490	0.76	1.1	1.1	<0.5	140	NA	<1.0	0.062	<5.0
	11/10/2010	300.0/8015B	0.38	450	NL	<1.0	<1.0	<0.5	150	NA	<0.001	<0.05	
	9/21/2010	300.0/8015B	0.35	790	NL	<1.0	<1.0	<0.5	160	NA	<0.001	<0.05	
	3/15/2010	300.0/8015B	0.4	390	0.7	2.2	2.2	<0.5	150	NA	<0.001	0.064	

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.13.2 OW-1, OW-10

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Mercury (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	0.05	0.2	0.05	0.05	0.03	0.002	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	NE	0.015	NE	0.05	NE	0.03	0.002	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	13.8	NE	2.02	0.0987	0.0812	0.0592	0.000626	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	14	0.015	0.43	0.1	0.094	0.06	6.3E-04	6
Well ID	DATE SAMPLED	METHOD												
OW-1	10/28/2015	200.7/200.8	3.8E-03	0.18	<0.002	0.056	11	0.015	0.42	<0.005	<0.005	0.042	<0.0002	0.06
	8/12/2015	200.7/200.8	0.036	2.1	<0.01	0.51	140	0.25	6.7E+00	<0.01	<0.005	0.098	<0.0002	0.65
	6/3/2015	200.7/200.8	<0.01	0.047	<0.002	<0.006	1.0	<0.005	0.05	<0.01	<0.005	0.042	<0.0002	<0.01
	3/9/2015	200.7/200.8	<0.005	0.04	<0.002	<0.006	0.54	<0.001	0.024	<0.005	<0.005	0.042	<0.0002	<0.01
	11/10/2014	200.7/200.8	<0.001	0.036	<0.002	<0.006	0.27	<0.001	6.7E-03	2.9E-03	<0.005	0.043	<0.0002	<0.01
	9/11/2014	200.7/200.8	0.013	0.56	<0.002	0.12	0.025	0.078	1.7	<0.01	<0.005	0.066	<0.0002	0.19
	6/3/2014	200.7/200.8	<0.005	0.034	<0.002	<0.006	1.7	0.003	0.073	<0.005	<0.005	0.042	<0.0002	0.031
	3/7/2014	200.7/200.8	<0.001	0.041	<0.002	<0.006	0.28	<0.001	0.02	3.4E-03	<0.005	0.042	<0.0002	0.01
	11/11/2013	200.7/200.8	1.2E-03	0.048	<0.002	<0.006	1.2	1.9E-03	0.053	3.6E-03	<0.005	0.039	<0.0002	<0.01
	9/4/2013	200.7/200.8	1.1E-03	0.037	<0.002	<0.006	0.37	<0.001	0.02	3.5E-03	<0.005	0.043	<0.0002	<0.01
	6/13/2013	200.7/200.8	6.1E-03	0.26	<0.002	0.028	0.19	NL	0.82	4.2E-03	<0.005	0.052	<0.0002	0.07
	3/19/2013	200.7/200.8	<0.0025	0.035	<0.002	<0.006	0.088	<0.005	7.4E-03	3.2E-03	<0.005	0.044	<0.0002	<0.01
	11/27/2012	200.7/200.8	<0.0025	0.035	<0.002	<0.006	<0.006	<0.005	0.013	2.6E-03	<0.005	0.045	<0.0002	<0.01
	8/22/2012	200.7/200.8	<0.0025	0.039	<0.002	<0.006	0.008	<0.005	0.027	4.1E-03	<0.005	0.04	<0.0002	<0.01
	6/13/2012	200.7/200.8	<0.0025	0.035	<0.002	<0.006	<0.006	<0.005	0.012	4.2E-03	<0.005	0.039	<0.0002	<0.01
	3/22/2012	200.7/200.8	<0.0025	0.045	<0.002	<0.006	<0.006	<0.005	0.058	3.5E-03	<0.005	0.041	<0.0002	0.01
	12/15/2011	200.7/200.8	<0.0025	0.066	<0.002	7.2E-03	2.7	<0.005	0.13	3.7E-03	<0.005	0.046	<0.0002	0.25
	10/27/2011	200.7/200.8	<0.0025	0.036	<0.002	<0.006	0.042	<0.005	0.013	3.5E-03	<0.005	0.04	<0.0002	<0.01
	6/20/2011	200.7/200.8	<0.0025	0.039	<0.002	<0.006	0.053	<0.005	0.016	5.6E-03	<0.005	0.047	<0.0002	<0.01
	3/1/2011	200.7/200.8	<0.0025	0.038	<0.002	<0.006	0.058	<0.005	0.013	<0.05	<0.005	0.053	NL	<0.01
OW-10	11/10/2010	6010B	<0.02	<0.02	<0.002	<0.006	<0.05	<0.005	6.6E-03	<0.05	<0.005	0.039	<0.0002	<0.02
	9/21/2010	6010B	<0.02	0.038	<0.002	<0.006	0.081	<0.005	0.023	<0.05	<0.005	0.038	<0.0002	<0.02
	3/15/2010	6010B	<0.02	0.031	<0.002	<0.006	0.16	<0.005	0.012	<0.05	<0.005	3.94E-02	<0.0002	<0.02
	10/28/2015	200.7/200.8	<0.005	0.095	<0.002	<0.006	<0.02	<0.0025	0.22	0.013	<0.005	0.061	<0.0002	<0.01
	8/12/2015	200.7/200.8	<0.005	0.11	<0.002	<0.006	0.038	<0.0005	0.33	0.011	<0.005	0.064	<0.0002	0.011
	6/3/2015	200.7/200.8	<0.01	0.095	<0.002	<0.006	<0.02	<0.005	0.15	<0.02	<0.005	0.063	<0.0002	<0.01
	3/9/2015	200.7/200.8	<0.005	0.067	<0.002	<0.006	<0.02	<0.001	0.087	0.012	<0.005	0.061	<0.0002	<0.01
	11/10/2014	200.7/200.8	<0.005	0.082	<0.002	<0.006	<0.02	<0.001	0.18	<0.02	<0.005	0.066	<0.0002	<0.01
	9/12/2014	200.7/200.8	<0.01	0.086	<0.002	<0.006	<0.02	<0.001	0.18	0.017	<0.005	0.065	<0.0002	<0.01
	6/3/2014	200.7/200.8	<0.005	0.094	<0.002	<0.006	<0.02	<0.001	0.14	0.015	<0.005	0.064	<0.0002	<0.01

8.13.2 OW-1, OW-10

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Mercury (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	0.05	0.2	0.05	0.05	0.03	0.002	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	NE	0.015	NE	0.05	NE	0.03	0.002	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	13.8	NE	2.02	0.0987	0.0812	0.0592	0.000626	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	14	0.015	0.43	0.1	0.094	0.06	6.3E-04	6
Well ID	DATE SAMPLED	METHOD												
	6/20/2011	200.7/200.8	<0.0025	0.038	<0.002	<0.006	<0.02	<0.005	8.6E-03	0.013	<0.005	0.057	<0.0002	<0.01
	2/28/2011	200.7/200.8	<0.0025	0.045	<0.002	<0.006	<0.02	<0.005	0.03	<0.05	<0.005	0.054	NL	<0.01
	11/10/2010	6010B	<0.02	0.062	<0.002	<0.006	<0.02	<0.005	0.04	<0.05	<0.005	0.052	<0.0002	<0.02
	9/21/2010	6010B	<0.02	0.071	<0.002	<0.006	<0.02	<0.005	0.068	<0.05	<0.005	0.057	<0.0002	<0.02
	3/15/2010	6010B	<0.02	0.046	<0.002	<0.006	<0.02	<0.005	0.013	<0.05	<0.005	5.25E-02	<0.0002	<0.02

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.13.3 OW-1, OW-10

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
Well ID	DATE SAMPLED	METHOD												
OW-1	10/28/2015	200.7/200.8	<0.005	0.083	<0.002	0.021	<0.006	1.1	0.0081	0.11	5.0E-03	<0.005	0.043	0.02
	8/12/2015	200.7/200.8	<0.005	0.1	<0.002	0.042	<0.006	11	7.2E-03	0.13	<0.005	<0.005	0.042	0.028
	6/3/2015	200.7/200.8	<0.01	0.033	<0.002	<0.006	<0.006	<0.02	<0.01	0.006	<0.01	<0.005	0.041	0.034
	3/9/2015	200.7/200.8	<0.001	0.034	<0.002	<0.006	<0.006	<0.02	<0.001	5.5E-03	4.7E-03	<0.005	0.039	<0.01
	11/10/2014	200.7/200.8	1.3E-03	0.033	<0.002	<0.006	<0.006	0.048	<0.02	<0.002	3.7E-03	<0.005	0.038	0.031
	9/11/2014	200.7/200.8	2.5E-03	0.12	<0.002	8.2E-03	<0.006	7.1	0.017	0.23	4.4E-03	<0.005	0.048	0.078
	6/3/2014	200.7/200.8	1.6E-03	0.039	<0.002	<0.006	<0.006	0.64	<0.005	0.025	6.6E-03	<0.005	0.044	0.013
	3/7/2014	200.7/200.8	<0.001	0.035	<0.002	<0.006	<0.006	<0.02	<0.001	6.3E-03	3.9E-03	<0.005	0.043	0.012
	11/11/2013	200.7/200.8	1.2E-03	0.038	<0.002	<0.006	<0.006	<0.02	<0.001	7.5E-03	4.6E-03	<0.005	0.041	0.029
	9/4/2013	200.7/200.8	<0.005	0.033	<0.002	<0.006	<0.006	0.037	<0.005	6.2E-03	<0.005	<0.005	0.045	<0.01
	6/13/2013	200.7/200.8	1.4E-03	0.035	<0.002	<0.006	<0.006	0.35	<0.001	0.013	4.9E-03	<0.005	0.043	0.25
	3/19/2013	200.7/200.8	1.3E-03	0.03	<0.002	<0.006	<0.006	<0.02	<0.005	<0.002	3.6E-03	<0.005	0.044	0.037
	11/27/2012	200.7/200.8	1.2E-03	0.033	<0.01	<0.03	<0.03	<0.1	<0.025	<0.01	0.004	<0.025	0.043	<0.05
	8/22/2012	200.7/200.8	<0.001	0.029	<0.002	<0.006	<0.006	<0.02	<0.005	8.6E-03	3.6E-03	<0.005	0.041	0.011
	6/13/2012	200.7/200.8	<0.001	0.036	<0.002	<0.006	<0.006	<0.02	<0.005	6.7E-03	3.7E-03	<0.005	0.043	0.015
	3/22/2012	200.7/200.8	<0.001	0.034	<0.002	<0.006	<0.006	<0.02	<0.005	0.005	3.7E-03	<0.005	0.039	0.027
	12/15/2011	200.7/200.8	<0.001	0.018	<0.002	<0.006	<0.006	0.19	<0.005	0.013	3.1E-03	<0.005	0.043	0.018
	10/27/2011	200.7/200.8	<0.001	0.035	<0.002	<0.006	<0.006	<0.02	<0.005	5.9E-03	3.6E-03	<0.005	0.04	<0.01
	6/20/2011	200.7/200.8	1.4E-03	0.034	<0.002	<0.006	<0.006	<0.02	<0.005	4.5E-03	6.2E-03	<0.005	0.043	0.048
	3/1/2011	200.7/200.8	<0.001	0.037	<0.002	<0.006	<0.006	<0.02	<0.005	4.1E-03	<0.05	<0.005	0.032	<0.01
OW-10	11/10/2010	6010B	<0.02	0.037	<0.002	<0.006	<0.006	<0.02	<0.005	4.6E-03	<0.05	<0.005	0.04	<0.05
	9/21/2010	6010B	<0.02	0.029	<0.002	<0.006	<0.006	<0.02	<0.005	4.1E-03	<0.05	<0.005	0.038	<0.05
	3/15/2010	6010B	<0.02	0.028	<0.002	<0.006	<0.006	<0.02	<0.005	<0.002	<0.05	<0.005	0.0379	<0.05
	10/28/2015	200.7/200.8	<0.005	0.099	<0.002	<0.006	<0.006	<0.02	<0.0025	0.22	0.019	<0.005	0.061	<0.01
	8/12/2015	200.7/200.8	<0.005	0.066	<0.002	<0.006	<0.006	<0.02	<0.0025	0.1	0.013	<0.005	0.056	<0.01
	6/3/2015	200.7/200.8	<0.01	0.074	<0.002	<0.006	<0.006	<0.02	<0.01	7.5E-02	0.014	<0.005	0.059	0.01
	3/9/2015	200.7/200.8	<0.005	0.076	<0.002	<0.006	<0.006	<0.02	<0.001	0.11	<0.05	<0.005	0.057	<0.01
	11/10/2014	200.7/200.8	<0.01	0.039	<0.002	<0.006	<0.006	<0.02	<0.01	9.9E-03	0.013	<0.005	0.057	0.038
	9/12/2014	200.7/200.8	<0.005	0.099	<0.002	<0.006	<0.006	<0.02	<0.01	0.2	0.017	<0.005	0.064	<0.01
	6/3/2014	200.7/200.8	<0.005	0.094	<0.002	<0.006	<0.006	<0.02	<0.005	0.13	0.017	<0.005	0.062	<0.01
	3/7/2014	200.7/200.8	<0.005	0.071	<0.002	<0.006	<0.006	<0.02	<0.001	0.098	9.5E-03	<0.005	0.057	<0.01
	11/11/2013	200.7/200.8	2.1E-03	0.063	<0.002	<0.006	<0.006	<0.02	<0.001	0.066	0.013	<0.005	0.054	<0.01
	9/4/2013	200.7/200.8	<0.005	0.082	<0.002	<0.006	<0.006	<0.02	<0.005	0.12	0.011	<0.025	0.066	<0.01
	6/13/2013	200.7/200.8	2.5E-03	0.12	<0.002	<0.006	<0.006	<0.02	<0.001	0.14	0.019	0.012	0.076	0.018
	3/19/2013	200.7/200.8	<0.005	0.1	<0.002	<0.006	<0.006	<0.02	<0.005	0.15	0.015	<0.005	0.073	<0.01
	11/27/2012	200.7/200.8	1.7E-03	0.11	<0.01	<0.03	<0.03	<0.1	<0.025	0.13	0.015	<0.025	0.078	0.05
	8/22/2012	200.7/200.8	0.001	0.034	<0.002	<0.006	<0.006	<0.02	<0.005	<0.002	7.6E-03	<0.005	0.05	<0.01
	6/13/2012	200.7/200.8	<0.002	0.08	<0.002	<0.006	<0.006	<0.02	<0.005	0.053	0.014	<0.005	0.067	0.026
	3/22/2012	200.7/200.8	<0.001	0.033	<0.002	<0.006	<0.006	<0.02	<0.005	2.3E-03	7.6E-03	<0.005	0.048	0.024
	12/15/2011	200.7/200.8	<0.001	0.038	<0.002	<0.006	<0.006	<0.02	<0.005	0.023	8.9E-03	<0.005	0.056	<0.01
	10/26/2011	200.7/200.8	0.001	0.043	<0.002	<0.006	<0.006	<0.02	<0.005	0.04	7.9E-03	<0.005	0.05	<0.01

8.13.3 OW-1, OW-10

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
Well ID	DATE SAMPLED	METHOD												
	6/20/2011	200.7/200.8	0.002	0.034	<0.002	<0.006	<0.006	<0.02	<0.005	5.5E-03	0.015	<0.005	0.052	0.16
	2/28/2011	200.7/200.8	<0.001	0.044	<0.002	<0.006	<0.006	<0.02	<0.005	0.029	<0.05	<0.005	0.055	<0.01
	11/10/2010	6010B	<0.02	0.047	<0.002	<0.006	<0.006	<0.02	<0.005	0.03	<0.05	<0.005	0.052	<0.05
	9/21/2010	6010B	<0.02	0.064	<0.002	<0.006	<0.006	<0.02	<0.005	0.055	<0.05	<0.005	0.051	0.088
	3/15/2010	6010B	<0.02	0.044	<0.002	<0.006	<0.006	<0.02	<0.005	0.012	<0.05	<0.005	4.97E-02	<0.05

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.13.4 OW-1, OW-10

Volatile Organic Compound Analytical Result Summary

			1,1-Dichloroethane (mg/L)	1,2-Dichloroethane (EDC) (mg/L)	1,1-Dichloroethene (mg/L)
WQCC 20NMAC 6.2.3103			0.025	0.01	0.005
40 CFR 141.62 MCL (NOV 2015)			NE	0.005	0.007
NMED TAP WATER (JULY 2015)			0.0275	0.00171	0.284
EPA RSL for Tap Water (NOV 2015)			0.0028	0.017	0.28
Well ID	DATE SAMPLED	METHOD			
OW-10	10/28/2015	8260B	<0.001	<0.001	<0.001
	8/12/2015	8260B	1.1E-03	<0.001	<0.001
	6/3/2015	8260B	<0.001	<0.001	<0.001
	3/9/2015	8260B	<0.001	<0.001	<0.001
	11/10/2014	8260B	1.3E-03	<0.001	1.7E-03
	9/12/2014	8260B	1.6E-03	1.1E-03	1.8E-03
	6/3/2014	8260B	1.2E-03	<0.001	1.2E-03
	3/7/2014	8260B	<0.001	<0.001	<0.001
	11/11/2013	8260B	<0.001	<0.001	<0.001
	9/4/2013	8260B	<0.001	<0.001	<0.001
	6/13/2013	8260B	1.6E-03	0.001	1.9E-03
	3/19/2013	8260B	1.5E-03	1.3E-03	1.9E-03
	11/27/2012	8260B	1.6E-03	1.1E-03	2.1E-03

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.14 OW-11, OW-12
BTEX Analytical Result Summary

			Parameters				
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
OW-11	8/17/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/12/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/16/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/22/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/26/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/28/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
OW-12	8/13/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/12/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/10/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/22/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/26/2011	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/22/2010	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.14.1 OW-11, OW-12

General Chemistry Analytical Result Summary

			Parameters											
			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	pH	Specific Conductance (µS/cm)	GRO (mg/L)	DRO (mg/L)	MRO (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	6 to 9	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	NE	1.0	10	NE	NE	NE	NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			1.18	ND	NE	1.97	31.6	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	NE	2	32	4.0E-04	NE	NE	NE	NE	NE	NE
Well ID	DATE SAMPLED	METHOD												
OW-11	8/17/2015	300.0/8015D	1.9	100	0.35	2.1	2.1	<0.5	880	NA	NA	<0.05	<1.0	<5.0
	9/12/2014	300.0	2.3	77	<0.1	<0.1	0.34	<0.5	960	NA	NA			
	9/16/2013	300.0	2.6	81	0.2	<0.1	0.34	<0.5	960	NA	NA			
	8/22/2012	300.0	1.7	82	0.21	<1.0	<1.0	<10	940	NA	NA			
	10/26/2011	300.0	2.2	95	0.19	<0.1	0.77	<0.5	940	NA	NA			
	7/28/2010	300.0	2.8	89	0.21	<0.1	0.3	<0.5	1100	8.39	2800			
OW-12	8/13/2015	300.0/8015D	0.49	18	0.14	<0.1	<0.1	<0.5	150	NA	NA	<0.05	<1.0	<5.0
	9/12/2014	300.0	0.47	19	0.14	<1.0	<1.0	<0.5	150	NA	NA			
	8/22/2012 ¹	300.0	0.48	16	0.13	<1.0	<1.0	<0.5	150	NA	NA			

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) General Chemistry analysis requested as part of the annual sampling

8.14.2 OW-11, OW-12

Total Metals Analytical Result Summary

			Parameters											
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.4	9.2E-03	NE	0.8	14	0.015	0.43	0.1	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD												
OW-11	8/17/2015	200.7/200.8	<0.01	7.6E-03	<0.002	<0.006	<0.006	0.025	<0.0005	0.015	<0.01	<0.0002	0.23	<0.01
	9/12/2014	200.7/200.8	2.7E-03	8.3E-03	<0.002	<0.006	<0.006	0.047	<0.001	0.021	2.3E-03	<0.0002	0.25	<0.01
	9/16/2013	200.7/200.8	2.3E-03	8.4E-03	<0.002	<0.006	<0.006	0.028	<0.001	0.019	1.8E-03	<0.0002	0.25	<0.01
	8/22/2012	200.7/200.8	<0.0025	8.6E-03	<0.002	<0.006	<0.006	0.041	<0.005	0.095	3.2E-03	<0.0002	0.22	<0.01
	10/26/2011	200.7/200.8	<0.0025	7.7E-03	<0.002	<0.006	<0.006	<0.02	<0.005	0.016	0.003	<0.0002	0.21	<0.01
	7/28/2010	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	<0.05	<0.005	0.016	<0.05	<0.0002	0.236	<0.02
OW-12	8/13/2015	200.7/200.8	1.6E-03	0.023	<0.002	<0.006	<0.006	0.078	<0.0005	3.8E-03	<0.001	<0.0002	0.014	<0.01
	9/12/2014	200.7/200.8	2.1E-03	0.024	<0.002	<0.006	<0.006	0.12	<0.001	5.4E-03	1.1E-03	<0.0002	0.014	<0.01
	9/10/2013	200.7/200.8	1.9E-03	0.027	<0.002	<0.006	<0.006	0.17	<0.001	0.009	<0.001	<0.0002	0.013	<0.01
	8/22/2012 ¹	200.7/200.8	<0.0025	0.028	<0.002	<0.006	<0.006	0.29	<0.005	0.013	<0.0025	<0.0002	0.013	<0.01

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Method 200.7/200.8 analysis requested as part of the annual sampling

8.14.3 OW-11, OW-12

Dissolved Metals Analytical Result Summary

			Parameters										
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	NE	NE	NE	NE	0.015	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.06	6
Well ID	DATE SAMPLED	METHOD											
OW-11	8/17/2015	200.7/200.8	<0.005	7.4E-03	<0.002	<0.006	<0.006	<0.02	<0.0025	0.015	8.3E-03	0.21	<0.01
	9/12/2014	200.7/200.8	2.6E-03	8.0E-03	<0.002	<0.006	<0.006	<0.02	<0.001	0.017	2.0E-03	0.25	<0.01
	9/16/2013	200.7/200.8	2.4E-03	8.4E-03	<0.002	<0.006	<0.006	<0.02	<0.001	0.019	2.4E-03	0.23	0.021
	8/22/2012	200.7/200.8	2.1E-03	8.4E-03	<0.002	<0.006	<0.006	<0.02	<0.005	0.012	3.4E-03	0.21	0.024
	10/26/2011	200.7/200.8	0.002	7.5E-03	<0.002	<0.006	<0.006	<0.02	<0.005	0.016	3.4E-03	0.22	0.11
	7/28/2010	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	<0.02	<0.005	0.016	<0.05	0.215	<0.05
OW-12	8/13/2015	200.7/200.8	<0.005	0.02	<0.002	<0.006	<0.006	0.043	<0.0025	3.0E-03	<0.005	0.012	<0.01
	9/12/2014	200.7/200.8	0.002	0.021	<0.002	<0.006	<0.006	0.037	<0.01	<0.002	1.1E-03	0.012	0.023
	9/10/2013	200.7/200.8	0.002	0.022	<0.002	<0.006	<0.006	0.048	<0.001	2.1E-03	<0.001	0.013	0.014
	8/22/2012 ¹	200.7/200.8	1.8E-03	0.021	<0.002	<0.006	<0.006	0.053	<0.005	3.3E-03	<0.001	0.012	0.031

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Method 200.7/200.8 analysis requested as part of the annual sampling

8.14.4 OW-11, OW-12

Semi Volatile Organic Compound Analytical Result Summary

			Parameters
			Bis (2-ethylhexyl) phthalate (mg/L)
WQCC 20NMAC 6.2.3103			NE
40 CFR 141.62 MCL (NOV 2015)			0.006
NMED TAP WATER (DEC 2014)			0.0556
EPA RSL for Tap Water (NOV 2015)			0.0056
WELL ID	DATE SAMPLED	METHOD	
OW-11	8/17/2015	8270C	<0.01
	9/12/2014	8270C	<0.01
	9/16/2013	8270C	0.011

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.15 MKTF Wells
BTEX Analytical Results

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
MKTF-1	11/4/2015	8260B	10	1.4	0.79	1.2	0.39
	8/21/2015	8260B	9.1	1.0	0.7	0.87	0.44
	6/9/2015	8260B	9.3	1.5	0.74	1.8	0.41
	3/11/2015	8260B	9.3	2.0	0.74	1.9	0.37
	6/6/2014	8260B	8.7	7.1	0.92	4.3	0.42
MKTF-2	11/4/2015	8260B	0.44	0.013	0.072	6.3E-03	0.058
	8/21/2015	8260B	0.37	5.6E-03	0.011	3.3E-03	0.044
	6/9/2015	8260B	0.47	0.011	0.062	0.039	0.037
	3/11/2015	8260B	0.2	<0.002	4.1E-03	7.6E-03	0.044
	11/14/2014	8260B	0.2	2.2E-03	2.9E-03	1.6E-03	0.059
	9/18/2014	8260B	2.1	0.044	0.34	<0.0075	0.1
	6/6/2014	8260B	0.23	3.6E-03	0.022	0.034	0.042
	4/8/2014	8260B	0.11	<0.002	0.0035	0.008	0.036
	10/28/2013	8021B	0.69	<0.02	5.5E-02	0.16	<0.05
MKTF-4	11/3/2015	8260B	0.4	0.015	0.7	0.78	1.5
	8/18/2015	8260B	0.3	0.011	0.43	0.55	1.4
	6/4/2015	8260B	0.31	0.013	0.45	0.56	1.3
	3/16/2015	8260B	0.22	<0.01	0.26	0.34	1.2
	11/13/2014	8260B	0.18	<0.01	0.28	0.26	1.4
	9/15/2014	8260B	0.15	<0.005	0.14	0.14	1.4
	6/4/2014	8260B	0.67	0.019	0.57	0.68	1.8
	4/11/2014	8260B	1.0	0.025	0.8	1.0	2.4
MKTF-9	11/3/2015	8260B	1.5	0.036	0.23	0.07	0.63
	8/18/2015	8260B	1.2	0.035	0.2	0.063	0.6
	6/4/2015	8260B	0.89	0.025	0.15	0.039	0.43
	3/16/2015	8260B	0.49	0.013	0.08	0.018	0.5
	11/14/2014	8260B	0.81	0.033	0.15	0.11	0.77
	9/18/2014	8260B	0.75	0.027	0.096	0.043	0.76
	6/5/2014	8260B	1.3	0.052	0.2	0.098	1.2
	4/14/2014	8260B	1.1	0.038	0.14	0.075	1.2
MKTF-10	11/3/2015	8260B	12	22	1.6	6.8	<0.05
	8/18/2015	8260B	9.2	19	1.5	6.5	<0.5
	6/4/2015	8260B	10	20	1.5	6.5	<0.05
	3/16/2015	8260B	11	21	1.6	6.8	<0.05
	11/14/2014	8260B	11	20	1.7	7.6	<0.02
	9/18/2014	8260B	11	15	0.93	4.0	<0.05
	6/6/2014	8260B	12	14	0.74	3.4	0.019
	4/11/2014	8260B	14	19	1.5	6.9	<0.05
MKTF-11	11/3/2015	8260B	11	13	0.96	3.9	0.056
	8/18/2015	8260B	3.7	4.2	0.5	1.5	0.082
	6/4/2015	8260B	12	13	1.2	4.9	0.041
	3/16/2015	8260B	10	11	0.93	3.7	0.048
	11/13/2014	8260B	9.5	8.2	0.77	2.3	0.08
	9/15/2014	8260B	9.5	7.1	0.72	2.0	0.083
	6/5/2014	8260B	12	7.8	0.75	2.2	0.096
	4/11/2014	8260B	15	7.6	0.93	2.2	0.15
MKTF-15	6/4/15 , 3/16/15	8260B	SPH DETECTED				
	9/17/2014	8260B	11	7.0	1.4	4.3	0.38
	6/5/2014	8260B	12	8.8	1.3	3.7	0.27
	4/10/2014	8260B	16	2.4	1.2	6.1	0.27
	11/1/2013	8021B	12	12	1.5	4.8	NA

8.15 MKTF Wells
BTEX Analytical Results

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
MKTF-16	11/3/2015	8260B	28	0.62	1.7	6.6	1.7
	8/23/2015	8260B	24	0.64	1.4	5.6	2.1
	6/8/2015	8260B	23	1.3	1.4	5.3	2.0
	3/16/2015	8260B	19	0.45	1.4	5.4	1.6
	11/18/2014	8260B	20	1.2	1.3	5.8	1.4
	9/17/2014	8260B	17	1.4	1.2	5.3	2.1
	6/5/2014	8260B	18	3.7	1.7	8.1	2.0
	4/10/2014	8260B	11	7.5	1.1	3.6	0.27
	11/19/2013	8021B	9.9	8.2	1.9	9.8	NA
MKTF-17	11/3/2015	8260B	0.029	<0.002	0.31	<0.003	0.77
	8/18/2015	8260B	0.036	1.1E-03	0.3	1.8E-03	0.64
	6/8/2015	8260B	0.011	<0.001	0.018	<0.0015	0.5
	3/12/2015	8260B	2.8E-03	<0.001	5.9E-03	<0.0015	0.59
	11/18/2014	8260B	0.14	<0.001	0.078	<0.0015	0.57
	9/18/2014	8260B	0.55	<0.01	0.24	<0.015	0.69
	6/6/2014	8260B	2.6	<0.01	0.48	0.068	1.1
	4/9/2014	8260B	3.5	<0.01	0.58	0.27	1.3
	11/13/2013	8021B	1.8	1.6	0.71	2.7	NA
MKTF-18	11/3/2015	8260B	0.019	<0.002	0.041	0.017	0.083
	8/18/2015	8260B	0.032	1.6E-03	0.054	0.019	0.1
	6/8/2015	8260B	0.05	3.3E-03	0.049	0.031	0.082
	3/17/2015	8260B	0.058	<0.005	0.017	0.029	0.091
	11/18/2014	8260B	0.096	7.6E-03	0.09	0.047	0.1
	9/18/2014	8260B	0.12	0.013	0.069	0.042	0.12
	6/6/2014	8260B	0.29	0.014	0.036	0.055	0.14
	4/14/2014	8260B	0.29	0.015	0.058	0.044	0.15
	11/19/2013	8021B	0.33	0.37	0.13	0.47	NA
MKTF-19	11/3/2015	8260B	2.8	0.022	0.76	0.93	8.4
	8/18/2015	8260B	2.4	0.015	0.74	0.45	8.8
	6/8/2015	8260B	1.8	0.013	0.59	0.31	9.1
	3/12/2015	8260B	1.4	<0.01	0.43	0.15	9.7
	11/18/2014	8260B	2.3	<0.05	0.74	0.36	9.7
	9/24/2014	8260B	1.8	<0.05	0.73	0.76	11
	4/9/2014	8260B	1.4	<0.05	0.68	0.61	9.7
	11/5/2013	8021B	0.64	0.14	0.47	1.1	NA
MKTF-20	3/16/2015	8260B	7.0	2.3	0.089	9.6	<0.05
	11/18/2014	8260B	4.4	1.3	0.48	10	0.083
	4/11/2014	8260B	25	17	2.8	14	0.38
MKTF-21	6/10/2015	8260B	6.2	0.48	0.18	0.81	0.82
	3/16/2015	8260B	3.7	0.26	0.013	0.27	0.63
	4/11/2014	8260B	7.2	13	2.1	11	0.58
MKTF-22	11/9/2015	8260B	2.7	<0.02	0.35	<0.03	5.5
	8/20/2015	8260B	1.2	<0.02	0.097	<0.03	4.8
	6/9/2015	8260B	2.9	0.022	0.32	0.047	5.7
	3/12/2015	8260B	2.6	<0.02	0.25	<0.03	5.1
	11/17/2014	8260B	1.6	<0.01	0.09	<0.0015	3.9
	9/23/2014	8260B	DRY				
	4/10/2014	8260B	2.3	0.021	0.28	0.032	3.7
	11/19/2013	8021B	1.3	0.0075	0.072	0.016	NA

8.15 MKTF Wells
BTEX Analytical Results

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
MKTF-23	11/9/2015	8260B	2.6	3.0	0.57	7.8	1.4
	8/21/2015	8260B	3.0	2.7	0.42	6.2	1.2
	6/9/2015	8260B	2.9	3.0	0.51	6.5	1.1
	3/12/2015	8260B	3.3	4.8	0.6	8.1	1.1
	11/17/2014	8260B	3.6	3.0	0.47	4.5	0.57
	9/23/2014	8260B	2.7	1.4	0.34	1.6	0.48
	4/10/2014		SPH DETECTED				
	11/5/2013	8021B	0.92	1.0	0.23	0.66	NA
MKTF-24	11/4/2015	8260B	2.8	<0.02	0.054	<0.03	0.21
	8/20/2015	8260B	2.7	<0.02	0.056	<0.03	0.2
	6/10/2015	8260B	2.9	0.015	0.046	<0.0075	0.17
	3/11/2015	8260B	2.6	0.012	0.031	<0.0075	0.17
	11/14/2014	8260B	1.6	9.5E-03	0.049	2.9E-03	0.063
	9/24/2014	8260B	1.6	8.7E-03	0.058	<0.003	0.17
	4/8/2014	8260B	0.45	6.7E-03	0.065	2.3E-03	0.18
	11/1/2013	8021B	1.2	<0.02	0.23	<0.04	NA
MKTF-25	11/5/2015	8260B	1.1	8.7E-03	0.14	0.016	0.25
	8/21/2015	8260B	1.2	9.9E-03	0.13	8.9E-03	0.24
	6/10/2015	8260B	1.0	6.6E-03	0.099	0.016	0.21
	3/11/2015	8260B	0.97	0.012	0.17	<0.0075	0.27
	11/14/2014	8260B	0.58	<0.005	0.023	<0.0075	0.18
	9/23/2014	8260B	0.53	<0.01	0.012	<0.015	0.23
	4/8/2014	8260B	1.0	9.2E-03	0.13	0.013	0.27
	11/1/2013	8021B	1.4	<0.02	0.16	<0.04	NA
MKTF-26	11/4/2015	8260B	0.76	7.2E-03	6.9E-03	<0.0075	0.094
	8/20/2015	8260B	0.38	0.005	<0.005	<0.0075	0.065
	6/10/2015	8260B	0.8	8.7E-03	6.9E-03	<0.0075	0.079
	3/11/2015	8260B	0.8	7.8E-03	7.1E-03	<0.0075	0.099
	11/14/2014	8260B	0.97	0.011	<0.005	<0.0075	0.094
	9/24/2014	8260B	1.6	0.019	0.012	1.6E-03	0.084
	4/8/2014	8260B	0.017	<0.001	<0.001	<0.0015	0.049
	11/1/2013	8021B	0.57	0.008	0.15	0.002	NA
MKTF-27	11/4/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.031
	8/20/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.033
	6/9/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.034
	3/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	8.9E-03
	11/14/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.019
	9/24/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.011
	4/8/2014	8260B	<0.002	<0.002	<0.002	<0.003	0.038
	11/19/2013	8021B	<0.001	<0.001	<0.001	<0.002	NA
MKTF-28	11/4/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.01
	8/20/2015	8260B	<0.001	<0.001	<0.001	<0.0015	1.4E-03
	6/9/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/14/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.013
	9/24/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.016
MKTF-29	11/4/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.01
	8/20/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.011
	6/10/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.014
	3/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.017
	9/24/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.013
	4/8/2014	8260B	<0.001	<0.001	<0.001	<0.015	0.012

8.15 MKTF Wells
BTEX Analytical Results

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
MKTF-30	11/4/2015	8260B	<0.001	<0.001	<0.001	<0.0015	2.5E-03
	8/20/2015	8260B	<0.001	<0.001	<0.001	<0.0015	1.9E-03
	6/10/2015	8260B	<0.001	<0.001	<0.001	<0.0015	2.7E-03
	3/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	1.9E-03
	11/17/2014	8260B	<0.001	<0.001	<0.001	<0.0015	3.7E-03
	9/24/2014	8260B	<0.001	<0.001	<0.001	<0.0015	5.9E-03
	4/9/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.021
MKTF-31	11/4/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.079
	8/21/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.064
	6/10/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.056
	3/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.054
	11/17/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.058
	9/23/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.055
	4/8/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.055
MKTF-32	11/5/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.59
	8/21/2015	8260B	<0.002	<0.002	<0.002	<0.003	0.49
	6/9/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.59
	3/12/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.54
	11/17/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.4
	9/23/2014	8260B	<0.005	<0.005	<0.005	<0.0075	0.32
	4/9/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.15
MKTF-33	11/9/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.58
	8/21/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.63
	6/9/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.49
	3/12/2015	8260B	<0.001	<0.001	<0.001	<0.0015	0.48
	11/17/2014	8260B	<0.001	<0.001	<0.001	<0.0015	0.41
	9/23/2014	8260B	<0.005	<0.005	<0.005	<0.0075	0.45
	4/10/2014	8260B	0.028	<0.001	<0.001	<0.0015	0.36
MKTF-34	11/3/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/18/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/8/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/12/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/17/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/24/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	4/9/2014	8260B	<0.002	<0.002	<0.002	<0.003	<0.002
MKTF-35	11/3/2015	8260B	0.19	<0.001	0.039	2.3E-03	0.048
	8/18/2015	8260B	0.97	<0.005	0.16	<0.0075	0.061
	6/4/2015	8260B	0.79	2.3E-03	0.19	2.1E-03	0.027
	3/17/2015	8260B	0.47	5.2E-03	0.32	0.17	0.033
	11/21/2014	8260B	0.039	<0.001	0.052	0.073	0.066
MKTF-36		8260B	SPH DETECTED				
	8/18/2015	8260B	9.0	0.033	1.6	0.064	8.0
	6/4/2015	8260B	8.1	0.034	1.6	0.14	8.4
	3/17/2015	8260B	8.3	0.023	1.4	0.078	8.3
	11/21/2014	8260B	8.4	0.032	1.5	0.56	7.2
MKTF-37		8260B	SPH DETECTED				
	8/18/2015	8260B	0.76	0.14	0.024	1.6	0.05
	6/4/2015	8260B	1.2	0.058	0.017	0.93	0.054
	3/17/2015	8260B	0.82	0.27	0.029	0.49	0.057
	11/21/2014	8260B	0.14	0.2	9.3E-03	1.3	0.027

8.15 MKTF Wells
BTEX Analytical Results

			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014
Well ID	DATE SAMPLED	METHOD					
MKTF-38	11/9/2015	8260B	1.3E-03	<0.001	<0.001	<0.0015	4.3E-03
	8/24/2015	8260B	1.7E-03	<0.001	<0.001	<0.0015	7.3E-03
	6/10/2015	8260B	5.4E-03	<0.001	<0.001	<0.0015	7.6E-03
	3/16/2015	8260B	9.2E-03	0.018	<0.001	<0.0015	0.006
	11/21/2014	8260B	2.8E-03	<0.001	2.9E-03	3.1E-03	7.4E-03
MKTF-39	11/9/2015	8260B	0.021	<0.001	0.064	<0.0015	<0.001
	8/23/2015	8260B	0.023	<0.001	0.06	1.6E-03	<0.001
	6/10/2015	8260B	0.025	<0.002	0.064	<0.003	<0.002
	3/16/2015	8260B	0.016	<0.002	0.039	<0.003	<0.002
	11/18/2014	8260B	0.02	<0.005	0.06	<0.0075	<0.005
MKTF-40	11/4/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/21/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/10/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/21/2014	8260B	<0.001	<0.001	<0.001	<0.001	<0.001
MKTF-41	11/5/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/21/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/10/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/12/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/18/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
MKTF-42	11/5/2015	8260B	0.0033	<0.001	1.7E-03	0.022	<0.001
	8/21/2015	8260B	2.8E-03	<0.001	0.001	0.017	<0.001
	6/10/2015	8260B	1.6E-03	<0.001	<0.001	0.011	<0.001
	3/11/2015	8260B	1.7E-03	<0.001	<0.001	0.01	<0.001
	11/18/2014	8260B	0.012	<0.01	<0.01	0.056	<0.01
MKTF-43	11/5/2015	8260B	<0.001	<0.001	<0.001	<0.005	<0.001
	8/21/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/10/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/11/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/18/2014	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
MKTF-44	11/9/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/17/2015	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/10/2015	8260B	<0.002	<0.002	<0.002	<0.003	<0.002
	3/12/2015	8260B	<0.002	<0.002	<0.002	<0.003	<0.002
	11/21/2014	8260B	<0.002	<0.002	<0.002	<0.003	<0.002

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

2) Water level too shallow to sample.

3) Was not sampled in September due to low recharge rate.

8.15.1 MKTF WELLS

General Chemistry Analytical Results

			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	1.6	250.0	NE	NE	10	600.0
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	4.0	NE	NE	1.0	10	NE
NMED Tap Water (JULY 2015)			NE	NE	NE	1.18	NE	NE	1.97	31.6	NE
EPA RSL for Tap Water (NOV 2015)			NE	NE	NE	0.8	NE	NE	2	32	NE
Well ID	DATE SAMPLED	METHOD									
MKTF-1	11/4/2015	8015D/300.0	200	36	<50	1.1	450	1.0	<1.0	<1.0	<0.5
	8/21/2015	8015D/300.0	34	26	<5.0	0.78	460	1.6	<1.0	<1.0	<2.5
	6/9/2015	8015D	110	31	<50	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	370	31	<50	NA	NA	NA	NA	NA	NA
	6/6/2014	8015D/300.0	510	50	<50	0.6	400	0.96	<1.0	<1.0	0.58
MKTF-2	11/4/2015	8015D/300.0	1.0	2.5	<5.0	2.5	360	0.5	<1.0	<1.0	49
	8/21/2015	8015D/300.0	<1.0	2	<5.0	1.2	550	1.1	6.2	6.2	130
	6/9/2015	8015D	<1.0	3.5	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	<1.0	1.3	<5.0	NA	NA	NA	NA	NA	NA
	11/14/2014	8015D/300.0	<1.0	0.61	<5.0	<1.0	830	1.2	<1.0	<1.0	230
	9/18/2014	8015D	1.7	6.8	<5.0	NA	NA	NA	NA	NA	NA
	6/6/2014	8015D/300.0	<1.0	1.5	<5.0	0.76	750	0.46	<1.0	<1.0	200
	4/8/2014	8015D	<1.0	0.67	<5.0	NA	NA	NA	NA	NA	NA
	10/28/2013	8015D	<1.0	3.8	<5.0	NA	NA	NA	NA	NA	NA
MKTF-4	11/3/2015	8015D/300.0	3.0	8.6	<5.0	0.96	300	2.4	<1.0	<1.0	3.0
	8/18/2015	8015D	3.7	6.8	<5.0	0.86	300	0.33	<0.1	<0.1	4.2
	6/4/2015	8015D	2.3	6.2	<5.0	NA	NA	NA	NA	NA	NA
	3/16/2015	8015D	1.9	4.8	<5.0	NA	NA	NA	NA	NA	NA
	11/13/2014	8015D/300.0	2.0	4.2	<5.0	<1.0	250	2.1	<1.0	<1.0	26
	9/15/2014	8015D	1.5	3.4	<5.0	NA	NA	NA	NA	NA	NA
	6/4/2014	300.0/8015D	2.9	8.2	<5.0	0.7	0.19	1.8	<1.0	<1.0	6.8
	4/11/2014	8015D	4.5	9.4	<5.0	NA	NA	NA	NA	NA	NA
MKTF-9	11/3/2015	300.0/8015D	5.3	9.8	<5.0	0.46	170	1.0	<0.1	<0.1	110
	8/18/2015	8015D/300.0	4.7	7.1	<5.0	0.43	170	0.26	<0.1	<0.1	130
	6/4/2015	8015D	1.8	4.1	<5.0	NA	NA	NA	NA	NA	NA
	3/16/2015	8015D	<1.0	3.3	<5.0	NA	NA	NA	NA	NA	NA
	11/14/2014	8015D/300.0	2.1	4.4	<5.0	<1.0	180	1.2	<1.0	<1.0	140
	9/18/2014	8015D	1.4	5.6	<5.0	NA	NA	NA	NA	NA	NA
	6/5/2014	8015D/300.0	2.7	6.2	<5.0	0.43	180	1.1	<1.0	<1.0	78
	4/14/2014	8015D	3.6	5.7	<5.0	NA	NA	NA	NA	NA	NA
MKTF-10	11/3/2015	300.0/8015D	8	100	<5.0	<2.0	380	0.76	<0.5	<0.5	<2.5
	8/18/2015	8015D/300.0	55	130	<5.0	<5.0	390	0.74	<0.5	<0.5	<2.5

8.15.1 MKTF WELLS

General Chemistry Analytical Results

			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	1.6	250.0	NE	NE	10	600.0
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	4.0	NE	NE	1.0	10	NE
NMED Tap Water (JULY 2015)			NE	NE	NE	1.18	NE	NE	1.97	31.6	NE
EPA RSL for Tap Water (NOV 2015)			NE	NE	NE	0.8	NE	NE	2	32	NE
Well ID	DATE SAMPLED	METHOD									
	6/4/2015	8015D	23	79	<5.0	NA	NA	NA	NA	NA	NA
	3/16/2015	8015D	32	80	<5.0	NA	NA	NA	NA	NA	NA
	11/14/2014	8015D/300.0	74	84	<50	270	260	<1.0	<2.0	<2.0	<5.0
	9/18/2014	8015D	7.7	88	<5.0	NA	NA	NA	NA	NA	NA
	6/6/2014 ¹	300.0/8015D	5.5	64	<5.0	NA	NA	NA	NA	NA	NA
	4/11/2014	8015D	5.9	88	<5.0	NA	NA	NA	NA	NA	NA
MKTF-11	11/3/2015	300.0/8015D	2.9	71	<5.0	<2.0	740	0.89	<0.5	<0.5	<2.5
	8/18/2015	8015D/300.0	1.6	36	<5.0	<2.0	1200	0.26	<2.0	<0.1	1.2
	6/4/2015	8015D	2.8	71	<5.0	NA	NA	NA	NA	NA	NA
	3/16/2015	8015D	2.6	55	<5.0	NA	NA	NA	NA	NA	NA
	11/13/2014	8015D/300.0	1.8	35	<5.0	6.5	780	<1.0	<1.0	<1.0	<5.0
	9/15/2014	8015D	1.8	57	<5.0	NA	NA	NA	NA	NA	NA
	6/5/2014	8015D/300.0	2.6	48	<5.0	7.0	480	0.67	<1.0	<1.0	11
	4/11/2014	300.0/8015D	2.7	53	<5.0	NA	NA	NA	NA	NA	NA
MKTF-15	9/17/2014	8015D	17	88	<5.0	NA	NA	NA	NA	NA	NA
	6/5/2014	8015D/300.0	10	57	<5.0	<2.0	5200	<2.0	<4.0	<4.0	1.2
	4/10/2014	8015D	4.1	71	<5.0	NA	NA	NA	NA	NA	NA
	11/1/2013	8015D	2.4	65	<5.0	NA	NA	NA	NA	NA	NA
MKTF-16	11/3/2015	300.0/8015D	3.1	91	<5.0	0.88	1000	2.8	<1.0	<1.0	<2.5
	8/23/2015	8015D/300.0	3.7	83	<5.0	0.66	1700	2.3	<1.0	<1.0	<2.5
	6/8/2015	8015D	4.3	69	<5.0	NA	NA	NA	NA	NA	NA
	3/16/2015	8015D	2.9	61	<5.0	NA	NA	NA	NA	NA	NA
	11/18/2014	8015D/300.0	2.7	53	<5.0	1.5	700	1.8	<0.5	<0.5	<2.5
	9/17/2014	8015D	4.6	66	<5.0	NA	NA	NA	NA	NA	NA
	6/5/2014	8015D/300.0	5.7	71	<5.0	1.1	540	1.7	<1.0	<1.0	<2.5
	4/10/2014	8015D	3.5	67	<5.0	NA	NA	NA	NA	NA	NA
	11/19/2013	8015D	4.2	68	<5.0	NA	NA	NA	NA	NA	NA
MKTF-17	11/3/2015	300.0/8015D	1.5	2.5	<5.0	0.61	78	0.64	<0.1	<0.1	120
	8/18/2015	8015D/300.0	1.1	1.7	<0.005	0.5	74	0.47	<0.1	<0.01	160
	6/8/2015	8015D	1.3	0.77	<5.0	NA	NA	NA	NA	NA	NA
	3/12/2015	8015D	<1.0	0.8	<5.0	NA	NA	NA	NA	NA	NA
	11/18/2014	8015D/300.0	1.4	1.2	<5.0	0.66	84	0.44	<0.1	<0.1	200

8.15.1 MKTF WELLS

General Chemistry Analytical Results

			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	1.6	250.0	NE	NE	10	600.0
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	4.0	NE	NE	1.0	10	NE
NMED Tap Water (JULY 2015)			NE	NE	NE	1.18	NE	NE	1.97	31.6	NE
EPA RSL for Tap Water (NOV 2015)			NE	NE	NE	0.8	NE	NE	2	32	NE
Well ID	DATE SAMPLED	METHOD									
	9/18/2014	8015D	1.5	3.3	<5.0	NA	NA	NA	NA	NA	NA
	6/6/2014: 6/16/14 ²	8015D/300.0	4.2	8.3	<5.0	0.61	98	0.26	<0.1	<0.1	60
	4/9/2014	8015D	2.6	8.6	<5.0	NA	NA	NA	NA	NA	NA
	11/19/2013	8015D	5.8	17	<5.0	NA	NA	NA	NA	NA	NA
MKTF-18	11/3/2015	300.0/8015D	2.5	1.3	<5.0	0.61	160	0.64	<0.1	<0.1	<0.5
	8/18/2015	8015D/300.0	34	1.3	<5.0	0.55	170	0.52	<0.1	<0.1	<0.5
	6/8/2015	8015D	3.3	1.4	<5.0	NA	NA	NA	NA	NA	NA
	3/17/2015	8015D	5.4	1.8	<5.0	NA	NA	NA	NA	NA	NA
	11/18/2014	8015D/300.0	2.3	1.4	<5.0	0.68	160	0.81	<0.5	<0.5	<2.5
	9/18/2014	8015D	3.1	1.4	<5.0	NA	NA	NA	NA	NA	NA
	6/6/2014	8015D/300.0	7.8	2.2	<5.0	0.65	170	0.81	<1.0	<1.0	0.95
	4/14/2014	8015D	4.4	2.2	<5.0	NA	NA	NA	NA	NA	NA
	11/19/2013	8015D	11	4	<5.0	NA	NA	NA	NA	NA	NA
MKTF-19	11/3/2015	300.0/8015D	13	34	<5.0	<0.5	130	1.5	<0.5	<0.5	<2.5
	8/18/2015	8015D/300.0	27	20	<5.0	0.18	140	0.47	<0.1	0.17	<0.5
	6/8/2015	8015D	9.9	19	<5.0	NA	NA	NA	NA	NA	NA
	3/12/2015	8015D	9.3	14	<5.0	NA	NA	NA	NA	NA	NA
	11/18/2014	8015D/300.0	13	20	<5.0	<0.5	110	1.2	<0.5	<0.5	<2.5
	9/24/2014	8015D	61	16	<5.0	NA	NA	NA	NA	NA	NA
	4/9/2014	8015D	17	18	<5.0	NA	NA	NA	NA	NA	NA
	11/5/2013	8015D	7.2	10	<5.0	NA	NA	NA	NA	NA	NA
MKTF-20	6/8/2015	8015D	9.9	30	<5.0	NA	NA	NA	NA	NA	NA
	3/16/2015	8015D	4.5	37	<5.0	NA	NA	NA	NA	NA	NA
	11/18/2014	8015D/300.0	24	45	<5.0	0.87	82	<0.5	<0.5	<0.5	16
	4/11/2014	8015D	16	120	<5.0	NA	NA	NA	NA	NA	NA
MKTF-21	6/10/2015	8015D	Not enough water to collect for this set.								
	3/16/2015	8015D	3.8	16	<5.0	NA	NA	NA	NA	NA	NA
	4/11/2014	8015D	27	78	<5.0	NA	NA	NA	NA	NA	NA
MKTF-22	11/9/2015	8015D	1.6	14	<5.0	0.41	100	0.84	<0.1	<0.1	17
	8/20/2015	8015D/300.0	<1.0	9.3	<5.0	<0.5	120	0.84	<1.0	<1.0	48
	6/9/2015	8015D	2.5	15	<5.0	NA	NA	NA	NA	NA	NA
	3/12/2015	8015D	2.5	13	<5.0	NA	NA	NA	NA	NA	NA

8.15.1 MKTF WELLS

General Chemistry Analytical Results

			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	1.6	250.0	NE	NE	10	600.0
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	4.0	NE	NE	1.0	10	NE
NMED Tap Water (JULY 2015)			NE	NE	NE	1.18	NE	NE	1.97	31.6	NE
EPA RSL for Tap Water (NOV 2015)			NE	NE	NE	0.8	NE	NE	2	32	NE
Well ID	DATE SAMPLED	METHOD									
	11/17/2014	8015D/300.0	1.6	6.8	<5.0	0.38	96	<0.1	7.1	7.1	19
	4/10/2014	8015D	2.6	10	<5.0	NA	NA	NA	NA	NA	NA
	11/19/2013	8015D	2.1	6.5	<5.0	NA	NA	NA	NA	NA	NA
MKTF-23	11/9 & 10/2015	8015D/300.0	71	34	<5.0	1.0	250	2.2	<0.1	<0.1	14
	8/21/2015	8015D/300.0	35	29	<5.0	0.57	300	1.6	<1.0	<1.0	<2.5
	6/9/2015	8015D	23	32	<5.0	NA	NA	NA	NA	NA	NA
	3/12/2015	8015D	14	35	<5.0	NA	NA	NA	NA	NA	NA
	11/17/2014	8015D/300.0	7.7	26	<5.0	0.43	390	<0.1	<1.0	<1.0	5.9
	9/23/2014	8015D	14	23	<5.0	NA	NA	NA	NA	NA	NA
	11/5/2013	8015D	1.1	12	<5.0	NA	NA	NA	NA	NA	NA
MKTF-24	11/4/2015	8015D	<1.0	10	<5.0	<0.1	850	1.2	<1.0	<1.0	68
	8/20/2015	8015D/300.0	<1.0	9.5	<5.0	<0.5	850	1.6	<1.0	<1.0	72
	6/10/2015	8015D	<1.0	9.8	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	<1.0	9.2	<5.0	NA	NA	NA	NA	NA	NA
	11/14/2014	8015D/300.0	<1.0	5.7	<5.0	<1.0	630	1.4	<1.0	<1.0	72
	9/24/2014	8015D	<1.0	6.3	<5.0	NA	NA	NA	NA	NA	NA
	4/8/2014	8015D	<1.0	4.2	<5.0	NA	NA	NA	NA	NA	NA
	11/1/2013	8015D	1.5	8.4	<5.0	NA	NA	NA	NA	NA	NA
MKTF-25	11/5/2015	300.0/8015D	1.2	12	<5.0	<0.1	750	1	<1.0	<1.0	35
	8/21/2015	8015D/300.0	1.1	8.7	<5.0	<0.5	870	1.8	<1.0	<1.0	31
		8015D/300.0	1.1	8.7	<5.0	<0.5	870	1.8	<1.0	<1.0	31
	3/11/2015	8015D	1.1	10	<5.0	NA	NA	NA	NA	NA	NA
	11/14/2014	8015D/300.0	<1.0	4.8	<5.0	<1.0	880	1.4	<1.0	<1.0	35
	9/23/2014	8015D	<1.0	5.8	<5.0	NA	NA	NA	NA	NA	NA
	4/8/2014	8015D	1.2	6.9	<5.0	NA	NA	NA	NA	NA	NA
MKTF-26	11/4/2015	8015D/300.0	<1.0	2.3	<5.0	0.69	1000	0.74	<1.0	<1.0	94
	8/20/2015	8015D/300.0	<1.0	1.5	<5.0	<0.5	1800	1.4	<1.0	<1.0	220
	6/10/2015	8015D	<1.0	2.5	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	<1.0	2.5	<5.0	NA	NA	NA	NA	NA	NA
	11/14/2014	8015D/300.0	<1.0	2.0	<5.0	<1.0	1500	1.2	<2.0	<2.0	160
	9/24/2014	8015D	<1.0	2.8	<5.0	NA	NA	NA	NA	NA	NA
	4/8/2014	8015D	<1.0	0.2	<5.0	NA	NA	NA	NA	NA	NA

8.15.1 MKTF WELLS

General Chemistry Analytical Results

			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	1.6	250.0	NE	NE	10	600.0
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	4.0	NE	NE	1.0	10	NE
NMED Tap Water (JULY 2015)			NE	NE	NE	1.18	NE	NE	1.97	31.6	NE
EPA RSL for Tap Water (NOV 2015)			NE	NE	NE	0.8	NE	NE	2	32	NE
Well ID	DATE SAMPLED	METHOD									
	11/1/2013	8015D	<1.0	1.7	<5.0	NA	NA	NA	NA	NA	NA
MKTF-27	11/4/2015	8015D/300.0	<1.0	<0.05	<5.0	0.8	2700	1.2	<1.0	<1.0	450
	8/20/2015	8015D/300.0	<1.0	0.064	<5.0	0.81	2700	1.9	<1.0	<1.0	330
	6/9/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	11/14/2014	8015D/300.0	<1.0	<0.05	<5.0	<1.0	2500	1.8	<2.0	<2.0	470
	9/24/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	4/8/2014	8015D	<1.0	<0.01	<5.0	NA	NA	NA	NA	NA	NA
	11/19/2013	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
MKTF-28	11/4/2015	300.0/8015D	<1.0	<0.05	<5.0	0.86	510	2.4	<1.0	<1.0	160
	8/20/2015	8015D/300.0	<1.0	<0.05	<5.0	0.86	520	2.5	<1.0	<1.0	150
	6/9/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	11/14/2014	8015D/300.0	<1.0	<0.05	<5.0	<1.0	540	2.7	<1.0	<1.0	260
	9/24/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
MKTF-29	11/4/2015	8015D/300.0	<1.0	<0.05	<5.0	0.92	90	0.33	<1.0	<1.0	650
	8/20/2015	8015D/300.0	<1.0	<0.05	<5.0	0.83	95	0.5	<1.0	<1.0	440
	6/10/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	9/24/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	4/9/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
MKTF-30	11/4/2015	8015D/300.0	<1.0	0.11	<5.0	0.99	1300	0.65	<1.0	<1.0	380
	8/20/2015	8015D/300.0	<1.0	0.17	<5.0	0.79	1300	1.6	<1.0	<1.0	450
	6/10/2015	8015D	<1.0	0.071	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	<1.0	0.053	<5.0	NA	NA	NA	NA	NA	NA
	11/17/2014	8015D/300.0	<1.0	0.054	<5.0	0.56	1400	1.3	<1.0	<1.0	730
	9/24/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	4/9/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
MKTF-31	11/4/2015	8015D/300.0	1.3	0.086	<5.0	<0.1	850	0.85	<1.0	<1.0	69
	8/21/2015	8015D/300.0	<1.0	0.1	<5.0	<0.5	890	1.5	<1.0	<1.0	71
	6/10/2015	8015D	<1.0	0.11	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	<1.0	0.077	<5.0	NA	NA	NA	NA	NA	NA

8.15.1 MKTF WELLS

General Chemistry Analytical Results

			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	1.6	250.0	NE	NE	10	600.0
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	4.0	NE	NE	1.0	10	NE
NMED Tap Water (JULY 2015)			NE	NE	NE	1.18	NE	NE	1.97	31.6	NE
EPA RSL for Tap Water (NOV 2015)			NE	NE	NE	0.8	NE	NE	2	32	NE
Well ID	DATE SAMPLED	METHOD									
	11/17/2014	8015D/300.0	<1.0	0.068	<5.0	<0.1	920	<0.1	<1.0	<1.0	82
	9/23/2014	8015D	<1.0	0.061	<5.0	NA	NA	NA	NA	NA	NA
	4/8/2014	8015D	<1.0	0.11	<5.0	NA	NA	NA	NA	NA	NA
MKTF-32	11/5/2015	8015D/300.0	<1.0	0.57	<5.0	0.19	510	1.2	<1.0	<1.0	100
	8/21/2015	8015D/300.0	<1.0	0.42	<5.0	<0.5	580	1.4	<1.0	<1.0	110
	6/9/2015	8015D	<1.0	0.58	<5.0	NA	NA	NA	NA	NA	NA
	3/12/2015	8015D	<1.0	0.46	<5.0	NA	NA	NA	NA	NA	NA
	11/17/2014	8015D/300.0	<1.0	0.28	<5.0	0.27	610	1.3	<1.0	<1.0	100
	9/23/2014	8015D	<1.0	0.23	<5.0	NA	NA	NA	NA	NA	NA
	4/9/2014	8015D	<1.0	0.22	<5.0	NA	NA	NA	NA	NA	NA
MKTF-33	11/9/2015	8015D/300.0	<1.0	0.53	<5.0	0.34	99	0.66	<0.1	<0.1	290
	8/21/2015	8015D/300.0	<1.0	0.47	<5.0	<0.5	95	0.61	<1.0	<1.0	260
	6/9/2015	8015D	<1.0	0.42	<5.0	NA	NA	NA	NA	NA	NA
	3/12/2015	300.0/8015D	<1.0	0.35	<5.0	NA	NA	NA	NA	NA	NA
	11/17/2014	8015D/300.0	<1.0	0.36	<5.0	0.31	98	0.61	<1.0	<1.0	360
	9/23/2014	8015D	<1.0	0.25	<5.0	NA	NA	NA	NA	NA	NA
	4/9/2014	8015D	<1.0	0.21	<5.0	NA	NA	NA	NA	NA	NA
MKTF-34	11/3/2015	300.0/8015D	<1.0	<0.05	<5.0	0.46	370	1.9	<0.1	8.6	100
	8/18/2015	8015D/300.0	<1.0	<0.05	<5.0	0.44	350	2.3	<0.1	8.6	100
	6/8/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	3/12/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	11/17/2014	8015D/300.0	<1.0	<0.05	<5.0	0.54	400	2.2	6.6	6.6	73
	9/24/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	4/9/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
MKTF-35	11/3/2015	8015D/300.0	2.8	1.5	<5.0	0.79	100	0.49	<0.1	<0.1	16
	8/18/2015	8015D/300.0	2.9	4.7	<5.0	0.73	110	0.33	<0.1	<0.1	20
	6/4/2015	8015D	2.3	2.9	<5.0	NA	NA	NA	NA	NA	NA
	3/17/2015	8015D	6.0	3.7	<5.0	NA	NA	NA	NA	NA	NA
	11/21/2014	8015D	3.3	1.6	<5.0	NA	NA	NA	NA	NA	NA
MKTF-36	8/18/2015	8015D	14	39	<5.0	0.6	140	0.77	<0.5	<0.5	<2.5
	6/4/2015	8015D	13	30	<5.0	NA	NA	NA	NA	NA	NA
	3/17/2015	8015D	10	38	<5.0	NA	NA	NA	NA	NA	NA

8.15.1 MKTF WELLS

General Chemistry Analytical Results

			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	1.6	250.0	NE	NE	10	600.0
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	4.0	NE	NE	1.0	10	NE
NMED Tap Water (JULY 2015)			NE	NE	NE	1.18	NE	NE	1.97	31.6	NE
EPA RSL for Tap Water (NOV 2015)			NE	NE	NE	0.8	NE	NE	2	32	NE
Well ID	DATE SAMPLED	METHOD									
	11/21/2014	8015D	6.8	25	<5.0	NA	NA	NA	NA	NA	NA
MKTF-37	8/18/2015	8015D/300.0	39	11	<5.0	<0.5	110	0.8	<0.5	<0.5	49
	6/4/2015	8015D	5.7	12	<5.0	NA	NA	NA	NA	NA	NA
	3/17/2015	8015D	4.5	11	<5.0	NA	NA	NA	NA	NA	NA
	11/21/2014	8015D	<1.0	8.7	<5.0	NA	NA	NA	NA	NA	NA
MKTF-38	11/9/2015	8015D	<1.0	0.12	<5.0	0.91	210	1.1	<0.1	<0.01	400
	8/24/2015	8015D/300.0	<1.0	0.099	<5.0	0.69	210	0.81	<0.1	3.2	390
	6/10/2015	8015D	<1.0	0.2	<5.0	NA	NA	NA	NA	NA	NA
	3/16/2015	8015D	<1.0	0.33	<5.0	NA	NA	NA	NA	NA	NA
	11/21/2014	8015D	3.8	0.12	<5.0	NA	NA	NA	NA	NA	NA
MKTF-39	11/9/2015	8015D	23	0.44	<5.0	<2.0	6400	<2.0	<2.0	<0.1	<0.5
	8/23/2015	8015D/300.0	13	0.93	<5.0	<0.5	9100	<0.5	<4.0	<4.0	<2.5
	6/10/2015	8015D	44	0.44	<5.0	NA	NA	NA	NA	NA	NA
	3/16/2015	8015D	6.2	0.21	<5.0	NA	NA	NA	NA	NA	NA
	11/18/2014	8015D	15	0.39	<5.0	NA	NA	NA	NA	NA	NA
MKTF-40	11/4/2015	8015D/300.0	<1.0	<0.05	<5.0	<0.1	4600	<2.0	<1.0	<1.0	540
	8/21/2015	8015D/300.0	<1.0	<0.05	<5.0	<0.5	3400	1.7	<4.0	<4.0	890
	6/10/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	11/21/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
MKTF-41	11/5/2015	8015D/300.0	<1.0	<0.05	<5.0	0.35	830	2.1	4.2	4.2	68

8.15.1 MKTF WELLS

General Chemistry Analytical Results

			DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	1.6	250.0	NE	NE	10	600.0
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	4.0	NE	NE	1.0	10	NE
NMED Tap Water (JULY 2015)			NE	NE	NE	1.18	NE	NE	1.97	31.6	NE
EPA RSL for Tap Water (NOV 2015)			NE	NE	NE	0.8	NE	NE	2	32	NE
Well ID	DATE SAMPLED	METHOD									
	8/21/2015	8015D/300.0	<1.0	<0.05	<5.0	<0.5	900	2.2	5.6	5.6	79
	6/9/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	3/12/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	11/18/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
MKTF-42	11/5/2015	8015D/300.0	45	0.11	<5.0	0.6	870	1.7	<1.0	<1.0	120
	8/21/2015	8015D/300.0	52	0.21	<5.0	0.62	930	2.0	<1.0	<1.0	130
	6/9/2015	8015D	60	0.1	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	27	<0.5	<5.0	NA	NA	NA	NA	NA	NA
	11/18/2014	8015D	44	<0.05	<5.0	NA	NA	NA	NA	NA	NA
MKTF-43	11/5/2015	8015D/300.0	<1.0	<0.05	<5.0	<2.0	16000	11	<10	<10	1600
	8/21/2015	8015D/300.0	<1.0	<0.05	<5.0	<2.0	17000	15	<10	<10	1700
	6/10/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	3/11/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	11/18/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
MKTF-44	11/9/2015	8015D/300.0	<1.0	<0.05	<5.0	0.56	91	0.63	<0.5	0.75	110
	8/17/2015	8015D/300.0	<1.0	<0.1	<5.0	0.58	110	0.58	<1.0	<1.0	120
	6/10/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	3/12/2015	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA
	11/21/2014	8015D	<1.0	<0.05	<5.0	NA	NA	NA	NA	NA	NA

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) No samples collected for General Chemistry - not enough water.

8.15.2 MKTF WELLS

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (JULY 2015)			5.13E-04	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.00626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD													
MKTF-1	11/4/2015	200.7/200.8	<0.005	3.0	<0.002	<0.006	<0.006	8.3	6.9E-03	2.1	8.2E-03	<0.005	<0.0002	6.1E-04	0.016
	8/21/2015	200.7/200.8	3.3E-03	2.8	<0.002	<0.006	<0.006	8.7	6.2E-03	2.1	<0.01	<0.005	<0.0002	7.8E-04	0.014
	6/9/2015	200.7/200.8	3.4E-03	2.4	<0.002	6.5E-03	<0.006	8.1	4.2E-03	2.2	4.5E-03	<0.005	<0.0002	<0.0005	0.015
	3/11/2015	200.7/200.8	3.2E-03	2.1	<0.002	<0.006	<0.006	5.6	0.002	1.9	5.6E-03	<0.005	<0.0002	<0.001	<0.01
	6/6/2014	200.7/200.8	0.007	4.7	<0.002	0.035	0.038	35	0.074	4.1	9.1E-03	<0.005	<0.0002	<0.005	0.078
MKTF-2	11/3/2015	200.7/200.8	4.3E-03	0.17	<0.002	<0.006	<0.006	0.3	3.8E-03	0.44	<0.05	<0.005	<0.0002	0.032	0.012
	8/21/2015	200.7/200.8	4.4E-03	0.28	<0.002	7.3E-03	8.9E-03	8.6	8.8E-03	0.81	2.6E-03	<0.005	<0.0002	0.05	0.033
	6/9/2015	200.7/200.8	3.5E-03	0.14	<0.002	<0.006	<0.006	1.6	2.3E-03	0.55	2.8E-03	<0.005	<0.0002	0.032	<0.01
	3/11/2015	200.7/200.8	4.6E-03	0.21	<0.002	<0.006	7.4E-03	4.6	5.7E-03	0.64	4.3E-03	<0.005	<0.0002	0.048	0.017
	11/14/2014	200.7/200.8	5.9E-03	0.22	<0.002	<0.006	0.012	7.0	7.9E-03	0.68	<0.01	<0.005	<0.0002	0.073	0.03
	9/18/2014	200.7/200.8	1.7E-03	0.15	<0.002	<0.006	<0.006	0.15	<0.001	0.57	3.1E-03	<0.005	<0.0002	0.013	<0.01
	6/6/2014	200.7/200.8	<0.005	0.2	<0.002	<0.006	<0.006	4.2	<0.005	0.7	6.9E-03	<0.005	<0.0002	0.056	0.017
MKTF-4	11/3/2015	200.7/200.8	0.014	3.4	<0.002	<0.006	<0.006	16	6.3E-03	1.7	0.016	<0.005	<0.0002	1.9E-03	0.012
	8/18/2015	200.7/200.8	8.5E-03	3.0	<0.002	<0.006	6.1E-03	17	0.017	1.9	<0.01	<0.005	<0.0002	4.2E-03	0.025
	6/4/2015	200.7/200.8	8.2E-03	2.5	<0.002	8.7E-03	<0.006	13	9.7E-03	1.9	<0.01	<0.005	<0.0002	5.3E-03	0.017
	3/16/2015	200.7/200.8	<0.01	1.8	<0.002	9.2E-03	0.012	11	0.022	2.5	0.016	<0.005	<0.0002	0.017	0.03
	11/13/2014	200.7/200.8	7.9E-03	1.9	<0.002	8.6E-03	0.015	15	0.023	2.5	<0.05	<0.005	<0.0002	0.013	0.03
	9/15/2014	200.7/200.8	6.0E-03	2.0	<0.002	0.015	0.021	20	0.036	2.9	7.8E-03	<0.005	<0.0002	0.02	0.044
	6/4/2014	200.7/200.8	6.1E-03	1.4	<0.002	8.5E-03	0.013	7.9	0.013	2.1	0.013	<0.005	<0.0002	0.009	0.02
MKTF-9	11/3/2015	200.7/200.8	4.5E-03	0.71	<0.002	<0.006	<0.006	8.8	0.011	4.3	<0.05	<0.005	<0.0002	5.1E-03	0.019
	8/18/2015	200.7/200.8	4.2E-03	0.81	<0.002	<0.006	8.9E-03	7.7	0.015	3.7	<0.005	<0.005	<0.0002	5.3E-03	0.027
	6/4/2015	200.7/200.8	<0.005	0.34	<0.002	<0.006	<0.006	3.1	<0.005	3.0	<0.005	<0.005	<0.0002	7.6E-03	<0.01
	3/16/2015	200.7/200.8	2.9E-03	0.22	<0.002	<0.002	<0.002	2.0	1.5E-03	2.4	5.3E-03	<0.005	<0.0002	0.014	0.01
	11/14/2014	200.7/200.8	<0.005	0.39	<0.002	<0.006	<0.006	4.5	5.3E-03	2.7	<0.01	<0.005	<0.0002	0.01	0.013
	9/18/2014	200.7/200.8	<0.005	0.33	<0.002	<0.006	<0.006	2.4	<0.001	2.8	<0.005	<0.005	<0.0002	0.012	<0.01
	6/5/2014	200.7/200.8	<0.005	0.58	<0.002	<0.006	<0.006	6.7	5.8E-03	3.8	7.3E-03	<0.005	<0.0002	0.006	0.015
MKTF-10	11/3/2015	200.7/200.8	5.9E-03	14	<0.002	<0.006	<0.006	61	0.025	19	<0.05	<0.005	<0.0002	1.9E-03	0.032
	8/18/2015	200.7/200.8	3.8E-02	15	<0.002	0.013	<0.006	64	0.58	22	<0.05	<0.005	0.0003	0.063	0.49
	6/4/2015	200.7/200.8	0.015	19	<0.002	0.077	0.1	120	0.19	24	<0.01	<0.005	<0.0002	0.014	0.15
	3/16/2015	200.7/200.8	0.019	22	<0.002	0.036	0.095	100	0.2	27	<0.01	<0.005	<0.0002	0.019	0.14
	11/14/2014	200.7/200.8	<0.04	45	<0.004	0.099	0.24	250	0.58	49	<0.04	<0.01	<0.0004	0.052	0.31
	9/18/2014	200.7/200.8	<0.005	12	<0.002	<0.006	<0.006	46	1.5E-03	15	3.2E-03	<0.005	<0.0002	1.3E-03	<0.01
	6/6/2014	200.7/200.8	<0.005	7.7	<0.002	<0.006	<0.006	25	<0.005	9.5	6.1E-03	<0.005	<0.0002	<0.005	<0.01
MKTF-11	11/3/2015	200.7/200.8	7.8E-03	3.8	<0.002	<0.006	<0.006	15	0.0031	3.5	5.4E-03	<0.005	<0.0002	7.3E-04	0.017
	8/18/2015	200.7/200.8	9.1E-03	2.4	<0.002	<0.006	<0.006	14	7.1E-03	4.0	0.003	<0.005	<0.0002	2.6E-03	0.024
	6/4/2015	200.7/200.8	5.6E-03	2.7	<0.002	<0.006	<0.006	0.013	2.7E-03	3.0	<0.005	<0.005	<0.0002	<0.0025	0.013
	3/16/2015	200.7/200.8	8.6E-03	1.9	<0.002	<0.006	<0.006	10	6.8E-03	3.1	0.006	<0.005	<0.0002	2.1E-03	0.024
	11/13/2014	200.7/200.8	8.7E-03	1.7	<0.002	<0.006	<0.006	5.8	<0.005	3.4	<0.005	<0.005	<0.0002	<0.005	0.012
	9/15/2014	200.7/200.8	7.2E-03	1.4	<0.002	<0.006	<0.006	8.1	6.2E-03	3.1	2.9E-03	<0.005	<0.0002	5.8E-03	0.021
	6/5/2014	200.7/200.8	6.3E-03	1.2	<0.002	6.1E-03	<0.006	8.8	9.6E-03	2.8	5.5E-03	<0.005	<0.0002	<0.005	0.038
MKTF-15	9/17/2015	200.7/200.8	<0.005	29	<0.002	<0.006	<0.006	18	<0.01	9.8	<0.005	<0.005	<0.0002	<0.01	0.023
	6/5/2014	200.7/200.8	<0.01	25	<0.002	7.4E-03	<0.006	11	0.011	7.9	<0.01	<0.005	<0.0002	<0.005	0.017
MKTF-16	11/3/2015	200.7/200.8	0.018	3.0	<0.002	<0.006	<0.006	13	2.7E-03	3.9	0.021	<0.005	<0.0002	0.00053	0.023
	8/23/2015	200.7/200.8	0.014	3.9	<0.002	<0.006	<0.006	16	1.2E-03	5.5	<0.02	<0.005	<0.0002	<0.0005	0.01
	6/8/2015	200.7/200.8	9.7E-03	2.2	<0.002	<0.006	9.1E-03	12	<0.0025	3.3	7.2E-03	<0.025	<0.0002	<0.0025	0.023
	3/16/2015	200.7/200.8	<0.01	1.0	<0.002	<0.006	0.023	7.2	<0.01	1.3	<0.02	<0.005	<0.0002	<0.01	0.035
	11/18/2014	200.7/200.8	0.01	1.1	<0.002	<0.006	<0.006	10	4.2E-03	1.3	<0.05	<0.005	<0.0002	1.6E-03	0.05
	9/17/2014	200.7/200.8	0.012	0.8	<0.002	<0.006	<0.006	8.6	3.1E-03	1.2	<0.01	<0.005	<0.0002	<0.001	0.034
	6/5/2014	200.7/200.8	0.023	0.9	<0.002	<0.006	0.008	7.9	<0.005	1.2	0.013	<0.005	<0.0002	0.015	0.089
MKTF-17	11/3/2015	200.7/200.8	0.02	12	<0.01	<0.006	<0.006	0.7	0.35	3.5	<0.02	<0.005	<0.0002	0.048	0.33

8.15.2 MKTF WELLS

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (JULY 2015)			5.13E-04	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.00626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD													
	8/18/2015	200.7/200.8	5.2E-03	0.2	<0.002	<0.006	9.7E-03	1.7	3.7E-03	2.9	<0.005	<0.005	<0.0002	0.018	0.011
	6/8/2015	200.7/200.8	<0.005	0.24	<0.002	<0.006	<0.006	2.6	3.2E-03	3.3	<0.005	<0.005	<0.0002	0.02	0.015
	3/12/2015	200.7/200.8	5.7E-03	0.17	<0.002	<0.006	<0.006	1.8	1.7E-03	3.1	2.3E-03	<0.005	<0.0002	0.022	<0.01
	11/18/2014	200.7/200.8	5.1E-03	0.21	<0.002	<0.006	<0.006	2.0	3.1E-03	3.0	<0.01	<0.005	<0.0002	0.025	0.019
	9/18/2014	200.7/200.8	5.5E-03	0.21	<0.002	<0.006	<0.006	1.8	1.6E-03	3.3	1.9E-03	<0.005	<0.0002	0.022	0.013
	6/16/2014	200.7/200.8	6.3E-03	0.61	<0.002	0.013	0.012	10	0.022	4.1	4.5E-03	<0.005	<0.0002	0.027	0.036
MKTF-18	11/3/2015	200.7/200.8	8.8E-03	12	<0.002	0.046	0.064	58.0	0.14	11	<0.01	<0.005	<0.001	0.015	0.19
	8/18/2015	200.7/200.8	0.018	24	<0.01	0.26	0.21	110.0	0.37	22	<0.01	<0.005	2.5E-04	0.037	0.54
	6/8/2015	200.7/200.8	<0.005	2.5	<0.002	<0.006	<0.006	5.0	<0.0025	1.8	<0.005	<0.005	<0.0002	<0.0025	<0.01
	3/17/2015	200.7/200.8	3.1E-03	3.5	<0.002	0.012	0.011	14.0	0.021	2.7	<0.01	<0.005	<0.0002	2.6E-03	0.051
	11/18/2014	200.7/200.8	1.9E-03	2.5	<0.002	<0.006	<0.006	4.0	1.6E-03	1.8	<0.01	<0.005	<0.0002	<0.001	0.02
	9/18/2014	200.7/200.8	1.5E-03	2.6	<0.002	<0.006	<0.006	3.2	2.8E-03	2.0	2.5E-03	<0.005	<0.0002	1.5E-03	0.018
	6/6/2014	200.7/200.8	0.013	19	<0.01	0.11	0.12	81	0.29	17	0.013	<0.025	<0.0002	0.022	0.31
MKTF-19	11/3/2015	200.7/200.8	0.018	2.7	<0.002	<0.006	<0.006	13	0.046	3.4	0.01	<0.005	<0.0002	7.7E-03	0.096
	8/18/2015	200.7/200.8	0.018	4.4	<0.002	0.044	0.06	64	0.14	6.3	6.2E-03	<0.005	<0.0002	0.024	0.22
	6/8/2015	200.7/200.8	0.019	2.5	<0.002	0.024	0.017	28	0.035	4.2	<0.005	<0.005	<0.0002	4.8E-03	0.082
	3/12/2015	200.7/200.8	0.017	2.7	<0.002	0.022	0.026	33	0.052	4.2	<0.01	<0.005	<0.0002	6.5E-03	0.078
	11/18/2014	200.7/200.8	0.022	3.6	<0.002	0.035	0.043	47	0.079	5.6	<0.01	<0.005	<0.0002	0.014	0.11
MKTF-20	3/16/2015	200.7/200.8	0.025	2.0	<0.002	<0.006	0.016	11	6.6E-03	3.2	4.6E-03	<0.005	<0.0002	0.011	0.03
	11/18/2014	200.7/200.8	0.017	4.5	<0.002	0.022	0.12	45	0.048	4.9	<0.005	<0.005	<0.0002	6.6E-03	0.19
MKTF-21	6/10/2015	200.7/200.8	Not enough water to collect samples												
	3/16/2015	200.7/200.8	0.02	4.9	<0.002	0.029	0.1	55	0.079	6.4	<0.01	<0.005	<0.0002	6.6E-03	0.44
MKTF-22	11/9/2015	200.7/200.8	3.6E-03	1.4	<0.002	9.9E-03	0.019	18	0.029	3.1	<0.01	<0.005	<0.0002	7.8E-03	0.032
	8/20/2015	200.7/200.8	7.6E-03	5.6	<0.002	0.1	0.15	87	0.24	9.1	7.4E-03	<0.005	<0.0002	0.031	0.21
	6/9/2015	200.7/200.8	<0.005	2.2	<0.002	0.018	0.026	27	0.048	3.6	<0.005	<0.005	<0.0002	5.3E-03	0.057
	3/12/2015	200.7/200.8	<0.01	2.1	<0.002	0.018	0.015	21	0.035	3.5	<0.01	<0.005	<0.0002	4.7E-03	0.038
	11/17/2014	200.7/200.8	2.8E-03	1.1	<0.002	<0.006	<0.006	15	0.014	3.0	0.004	<0.005	<0.0002	4.1E-03	0.025
MKTF-23	11/10/2015	200.7/200.8	1.3E-02	0.66	<0.002	<0.006	<0.006	0.29	9.0E-04	1.4	<0.02	<0.005	<0.0002	0.037	<0.01
	8/21/2015	200.7/200.8	0.014	0.9	<0.002	6.2E-03	0.008	5.4	8.8E-03	1.7	<0.005	<0.005	<0.0002	0.032	0.022
	6/9/2015	200.7/200.8	0.011	0.83	<0.002	<0.006	0.012	5.4	9.3E-03	1.6	<0.005	<0.005	<0.0002	0.011	0.027
	3/12/2015	200.7/200.8	0.013	0.64	<0.002	<0.006	<0.006	5.2	3.5E-03	1.8	0.01	<0.005	<0.0002	6.2E-03	0.011
	11/17/2014	200.7/200.8	0.011	0.49	<0.002	<0.006	<0.006	6.2	0.005	1.6	6.7E-03	<0.005	<0.0002	0.016	0.035
MKTF-24	11/4/2015	200.7/200.8	5.9E-03	0.87	<0.002	0.017	0.023	16	0.025	2.7	<0.05	<0.005	<0.0002	0.034	0.04
	8/20/2015	200.7/200.8	5.7E-03	1.3	<0.002	0.025	0.037	22	0.04	3.3	6.7E-03	<0.005	<0.0002	0.042	0.06
	6/10/2015	200.7/200.8	<0.005	0.58	<0.002	0.01	0.01	8.8	0.013	2.1	<0.005	<0.005	<0.0002	0.038	0.03
	3/11/2015	200.7/200.8	<0.01	0.71	<0.002	0.014	0.019	12	0.02	2.2	<0.01	<0.005	<0.0002	0.046	0.031
	11/14/2014	200.7/200.8	<0.005	0.48	<0.002	9.8E-03	0.015	6.9	0.012	1.9	<0.01	<0.005	<0.0002	0.038	0.026
MKTF-25	11/5/2015	200.7/200.8	4.9E-03	0.81	<0.002	7.5E-03	0.019	7.9	0.019	3.9	7.6E-03	<0.005	<0.0002	0.033	0.021
	8/21/2015	200.7/200.8	3.9E-03	0.49	<0.002	6.5E-03	0.016	5.2	8.4E-03	3.7	3.8E-03	<0.005	<0.0002	0.033	0.015
	6/10/2015	200.7/200.8	<0.005	0.48	<0.002	<0.006	8.3E-03	5.7	8.9E-03	3.7	<0.005	<0.005	<0.0002	0.033	0.018
	3/11/2015	200.7/200.8	4.1E-03	0.58	<0.002	6.4E-03	0.014	7.5	0.013	3.9	5.8E-03	<0.005	<0.0002	0.038	0.017
	11/14/2014	200.7/200.8	<0.005	0.37	<0.002	<0.006	0.011	2.7	7.4E-03	3.6	<0.01	<0.005	<0.0002	0.03	0.013
MKTF-26	11/4/2015	200.7/200.8	5.0E-03	0.26	<0.002	<0.006	0.016	9.8	0.013	1.3	<0.05	<0.005	<0.0002	0.059	0.04
	8/20/2015	200.7/200.8	5.3E-03	0.23	<0.002	<0.006	0.01	5.4	6.7E-03	1.4	6.2E-03	<0.005	<0.0002	0.092	0.022
	6/10/2015	200.7/200.8	<0.005	0.18	<0.002	<0.006	<0.006	2.7	0.003	1.3	<0.005	<0.005	<0.0002	0.054	0.015
	3/11/2015	200.7/200.8	0.004	0.2	<0.002	<0.006	<0.006	3.1	2.9E-03	1.3	4.7E-03	<0.005	<0.0002	0.045	0.012
	11/14/2014	200.7/200.8	<0.005	0.15	<0.002	<0.006	<0.006	1.3	<0.005	1.4	<0.01	<0.005	<0.0002	0.077	0.014
MKTF-27	11/4/2015	200.7/200.8	<0.005	0.15	<0.002	<0.006	<0.006	7.4	0.0073	0.93	<0.02	<0.005	<0.0002	0.064	0.029
	8/20/2015	200.7/200.8	<0.005	0.18	<0.002	<0.006	<0.006	6.2	6.4E-03	0.7	5.6E-03	<0.005	<0.0002	0.071	0.027

8.15.2 MKTF WELLS

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (JULY 2015)			5.13E-04	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.00626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD													
	6/9/2015	200.7/200.8	<0.01	0.13	<0.002	<0.006	<0.006	4.1	<0.005	0.58	<0.01	<0.005	<0.0002	0.067	0.023
	3/11/2015	200.7/200.8	<0.01	0.13	<0.002	<0.006	<0.006	3.3	<0.01	0.27	<0.01	<0.005	<0.0002	0.071	0.014
	11/14/2014	200.7/200.8	<0.005	0.13	<0.002	<0.006	<0.006	3.4	<0.005	0.5	<0.01	<0.005	<0.0002	0.087	0.024
MKTF-28	11/4/2015	200.7/200.8	<0.01	0.17	<0.002	<0.006	<0.006	7.4	0.0072	0.32	0.02	<0.005	<0.001	0.14	0.028
	8/20/2015	200.7/200.8	<0.01	0.18	<0.002	<0.006	7.7E-03	4.8	0.005	0.2	<0.01	<0.005	<0.0002	0.17	0.02
	6/9/2015	200.7/200.8	<0.01	0.19	<0.002	6.4E-03	<0.006	5.2	5.1E-03	0.2	<0.01	<0.005	<0.0002	0.16	0.022
	3/11/2015	200.7/200.8	<0.01	0.14	<0.002	<0.006	<0.006	2.5	2.8E-03	0.097	0.013	<0.005	<0.0002	0.17	0.014
	11/14/2014	200.7/200.8	5.4E-03	0.12	<0.002	<0.006	<0.006	2.0	<0.005	0.38	<0.05	<0.005	<0.0002	0.11	0.015
MKTF-29	11/4/2015	200.7/200.8	2.0E-03	0.089	<0.002	<0.006	<0.006	1.3	1.1E-03	0.61	<0.005	<0.005	<0.0002	0.017	<0.01
	8/20/2015	200.7/200.8	2.1E-03	0.17	<0.002	<0.006	0.011	3.9	2.8E-03	0.6	0.0022	<0.005	<0.0002	0.02	0.016
	6/10/2015	200.7/200.8	<0.005	0.1	<0.002	<0.006	<0.006	2.4	<0.0025	0.41	<0.005	<0.005	<0.0002	0.02	0.011
	3/11/2015	200.7/200.8	0.002	0.057	<0.002	<0.006	<0.006	0.81	<0.001	0.36	2.3E-03	<0.005	<0.0002	0.023	<0.01
MKTF-30	11/4/2015	200.7/200.8	<0.005	0.24	<0.002	<0.006	<0.006	7.1	0.0097	0.54	<0.02	<0.005	<0.0002	0.026	0.021
	8/20/2015	200.7/200.8	<0.005	0.29	<0.002	0.011	8.4E-03	8.4	9.4E-03	0.55	<0.01	<0.005	<0.0002	0.032	0.024
	6/10/2015	200.7/200.8	<0.005	0.28	<0.002	6.7E-03	<0.006	7.7	8.9E-03	0.57	<0.01	<0.005	<0.0002	0.034	0.024
	3/11/2015	200.7/200.8	<0.005	0.29	<0.002	7.2E-03	<0.006	8.6	0.011	0.64	7.9E-03	<0.005	<0.0002	0.044	0.021
	11/17/2014	200.7/200.8	<0.005	0.26	<0.002	0.007	<0.006	8.0	0.009	0.72	0.01	<0.005	<0.0002	0.039	0.029
MKTF-31	11/4/15	200.7/200.8	<0.005	0.26	<0.002	<0.006	<0.006	4.0	0.0064	0.25	<0.02	<0.005	<0.0002	0.041	0.015
	8/21/2015	200.7/200.8	<0.01	0.19	<0.002	<0.006	<0.006	3.1	3.2E-03	0.13	4.6E-03	<0.005	<0.0002	0.049	<0.01
	6/10/2015	200.7/200.8	<0.005	0.17	<0.002	<0.006	<0.006	2.9	2.9E-03	0.11	<0.005	<0.005	<0.0002	0.049	0.011
	3/11/2015	200.7/200.8	<0.01	0.2	<0.002	<0.006	<0.006	2.2	<0.01	0.12	<0.01	<0.005	<0.0002	0.056	<0.01
	11/17/2014	200.7/200.8	<0.005	0.22	<0.002	<0.006	<0.006	2.9	4.1E-03	0.24	0.008	<0.005	<0.0002	0.05	0.017
MKTF-32	11/5/2015	200.7/200.8	5.2E-03	0.16	<0.002	<0.006	<0.006	3.2	4.6E-03	0.22	0.0083	<0.005	<0.0002	0.061	0.015
	8/21/2015	200.7/200.8	3.7E-03	0.24	<0.002	7.2E-03	<0.006	6.1	7.2E-03	0.3	<0.01	<0.005	<0.0002	0.073	0.029
	6/9/2015	200.7/200.8	<0.005	0.24	<0.002	<0.006	0.018	5.7	6.3E-03	0.31	<0.005	<0.005	<0.0002	0.066	0.034
	3/12/2015	200.7/200.8	<0.01	0.085	<0.002	<0.006	<0.006	1.6	1.8E-03	0.12	0.01	<0.005	<0.0002	0.067	<0.01
	11/17/2014	200.7/200.8	<0.005	0.091	<0.002	<0.006	<0.006	2.0	2.7E-03	0.23	<0.01	<0.005	<0.0002	0.067	0.014
MKTF-33	11/9/2015	200.7/200.8	3.6E-03	1.3	<0.002	0.015	0.022	18.0	3.6E-02	2.7	<0.005	<0.005	<0.0002	0.045	0.065
	8/21/2015	200.7/200.8	2.0E-03	0.74	<0.002	0.015	0.01	14.0	2.2E-02	1.6	1.9E-03	<0.005	<0.0002	0.049	0.048
	6/9/2015	200.7/200.8	<0.005	0.26	<0.002	<0.006	<0.006	4.1	5.8E-03	0.7	<0.005	<0.005	<0.0002	0.044	0.02
	3/12/2015	200.7/200.8	<0.005	0.25	<0.002	6.2E-03	<0.006	3.7	5.9E-03	0.68	4.1E-03	<0.005	<0.0002	0.045	0.014
	11/17/2014	200.7/200.8	1.6E-03	0.18	<0.002	<0.006	<0.006	3.3	0.005	0.92	3.1E-03	<0.005	<0.0002	0.043	0.018
MKTF-34	11/3/2015	200.7/200.8	<0.005	0.15	<0.002	<0.006	<0.006	1.0	1.2E-03	0.03	<0.02	<0.005	<0.0002	0.027	0.012
	8/18/2015	200.7/200.8	<0.005	0.17	<0.002	<0.006	<0.006	2.4	2.7E-03	0.074	8.6E-03	<0.005	<0.0002	0.031	0.03
	6/8/2015	200.7/200.8	<0.005	0.2	<0.002	<0.006	<0.006	2.3	<0.0025	0.066	<0.01	<0.005	<0.0002	0.028	0.024
	3/12/2015	200.7/200.8	<0.01	0.25	<0.002	<0.006	<0.006	5.2	4.5E-03	0.15	0.013	<0.005	<0.0002	0.028	0.059
	11/17/2014	200.7/200.8	<0.01	0.17	<0.002	<0.006	<0.006	2.4	1.4E-03	0.075	<0.02	<0.005	<0.0002	0.026	0.037
MKTF-35	11/3/2015	200.7/200.8	2.3E-03	2.3	<0.002	<0.006	<0.006	7.5	0.011	4.5	<0.005	<0.005	<0.0002	2.9E-03	0.017
	8/18/2015	200.7/200.8	3.8E-03	8.7	<0.002	0.016	0.02	17	0.034	6.5	<0.005	<0.005	<0.0002	5.4E-03	0.051
	6/4/2015	200.7/200.8	<0.005	5	<0.002	0.018	0.013	13	0.023	6.4	<0.005	<0.005	<0.0002	4.4E-03	0.032
	3/17/2015	200.7/200.8	0.004	8.2	<0.002	0.013	0.025	15	0.034	6.3	<0.005	<0.005	<0.0002	5.3E-03	0.062
MKTF-36	8/18/2015	200.7/200.8	0.016	5.7	<0.002	<0.006	<0.006	21	0.017	2.7	<0.005	<0.005	<0.0002	1.1E-03	0.018
	6/4/2015	200.7/200.8	0.017	6.8	<0.002	9.6E-03	7.8E-03	22	0.016	2.8	<0.005	<0.005	<0.0002	<0.0025	0.023
	3/17/2015	200.7/200.8	0.016	7	<0.002	<0.006	<0.006	22	0.015	2.8	5.7E-03	<0.005	<0.0002	1.6E-03	0.028
MKTF-37	8/18/2015	200.7/200.8	3.1E-03	0.24	<0.002	<0.006	9.2E-03	5.7	0.024	1.7	<0.005	<0.005	<0.0002	0.02	0.074
	6/4/2015	200.7/200.8	<0.005	0.23	<0.002	6.3E-03	9.7E-03	4.8	0.036	2.6	<0.005	<0.005	<0.0002	0.024	0.044
	3/17/2015	200.7/200.8	3.2E-03	0.23	<0.002	<0.006	0.012	5.1	0.03	2.9	3.6E-03	<0.005	<0.0002	0.026	0.14
MKTF-38	11/9/2015	200.7/200.8	0.005	0.93	<0.002	9.6E-03	9.3E-03	11	0.02	4.2	<0.1	<0.005	<0.0002	0.02	0.035
	8/24/2015	200.7/200.8	2.8E-03	0.49	<0.002	6.2E-03	7.7E-03	7.2	9.6E-03	3.9	3.8E-03	<0.005	<0.0002	0.019	0.025

8.15.2 MKTF WELLS

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.002	0.03	NE
NMED Tap Water (JULY 2015)			5.13E-04	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.00626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	0.0092	NE	0.8	14	0.015	0.43	0.1	0.094	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD													
MKTf-39	6/10/2015	200.7/200.8	<0.005	0.43	<0.002	0.006	<0.006	6.4	0.008	3.7	<0.005	<0.005	<0.0002	0.022	0.022
	3/16/2015	200.7/200.8	3.1E-03	0.34	<0.002	<0.006	<0.006	3.5	0.006	3.1	5.8E-03	<0.005	<0.0002	0.029	0.014
	11/9/2015	200.7/200.8	5.6E-03	33	<0.002	8.8E-03	0.037	45	0.049	5.2	<0.05	<0.005	2.8E-04	3.8E-03	0.076
	8/23/2015	200.7/200.8	<0.005	49	<0.002	<0.006	0.019	57	0.034	6.8	<0.01	<0.005	2.7E-04	3.5E-03	0.062
	6/10/2015	200.7/200.8	<0.005	58	<0.002	<0.006	<0.06	59	0.031	8	<0.005	<0.005	<0.0002	2.9E-03	0.042
MKTf-40	3/16/2015	200.7/200.8	<0.01	35	<0.01	<0.03	<0.03	50	0.034	8.6	<0.01	<0.025	2.1E-04	0.012	0.059
	11/4/2015	200.7/200.8	<0.005	0.26	<0.002	<0.006	<0.006	5.5	0.0066	0.32	<0.02	<0.005	<0.0002	0.06	0.024
	8/21/2015	200.7/200.8	<0.01	0.19	<0.002	<0.006	<0.006	3.4	<0.005	0.24	<0.01	<0.005	<0.0002	0.081	0.016
	6/10/2015	200.7/200.8	<0.005	0.24	<0.002	<0.006	<0.006	4.0	5.2E-03	0.21	<0.01	<0.005	<0.0002	0.075	0.021
	3/12/2015	200.7/200.8	<0.01	0.28	<0.002	<0.006	<0.006	5.6	<0.01	0.34	0.015	<0.005	<0.0002	0.085	0.023
MKTf-41	11/5/2015	200.7/200.8	<0.01	0.17	<0.002	<0.006	<0.006	4.3	5.6E-03	0.17	0.052	<0.005	<0.0002	0.025	0.019
	8/21/2015	200.7/200.8	<0.01	0.27	<0.002	6.3E-03	<0.006	9	0.012	0.35	0.044	<0.005	<0.0002	0.029	0.034
	6/9/2015	200.7/200.8	<0.005	0.16	<0.006	<0.006	<0.006	4.1	0.006	0.15	0.047	<0.005	<0.0002	0.031	0.016
	3/12/2015	200.7/200.8	<0.01	0.19	<0.002	7.5E-03	<0.006	8.4	6.1E-03	0.22	0.059	<0.005	<0.0002	0.034	0.024
	11/5/2015	200.7/200.8	<0.01	0.076	<0.002	<0.006	<0.006	0.49	7.7E-04	0.39	0.011	<0.005	<0.0002	0.027	<0.01
MKTf-42	8/21/2015	200.7/200.8	<0.005	0.097	<0.002	<0.006	<0.006	0.75	1.2E-03	0.36	4.5E-03	<0.005	<0.0002	0.032	0.014
	6/9/2015	200.7/200.8	<0.005	0.13	<0.002	<0.006	0.011	1.6	<0.0025	0.6	<0.005	<0.005	<0.0002	0.036	0.016
	3/11/2015	200.7/200.8	3.5E-03	0.16	<0.002	<0.006	7.1E-03	2.5	3.4E-03	0.58	7.5E-03	<0.005	<0.0002	0.039	0.012
	11/5/2015	200.7/200.8	<0.05	0.19	<0.002	<0.006	<0.006	4.8	<0.01	16	<0.5	<0.005	<0.0002	0.25	0.021
	8/21/2015	200.7/200.8	<0.02	0.31	<0.01	<0.03	<0.03	6.6	<0.01	23	0.06	<0.025	<0.0002	0.28	0.056
MKTf-43	6/10/2015	200.7/200.8	<0.1	0.2	<0.002	<0.006	<0.006	4.8	<0.01	14	<0.1	<0.005	<0.0002	0.25	0.024
	3/11/2015	200.7/200.8	<0.05	0.24	<0.01	0.031	<0.03	3.2	<0.02	3.7	0.071	<0.005	<0.0002	0.14	<0.05
	11/9/2015	200.7/200.8	7.8E-03	0.15	<0.002	0.012	0.008	9.9	0.013	0.29	<0.01	<0.005	<0.0002	0.2	0.037
	8/17/2015	200.7/200.8	<0.01	0.43	<0.002	0.031	0.016	26	0.034	0.92	0.015	<0.005	<0.0002	0.24	0.1
	6/10/2015	200.7/200.8	<0.01	0.18	<0.002	0.017	<0.006	11	0.014	0.26	0.014	<0.005	<0.0002	0.21	0.052
MKTf-44	3/12/2015	200.7/200.8	<0.01	0.22	<0.002	0.023	7.9E-03	16	0.016	0.34	0.015	<0.005	<0.0002	0.22	0.056

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.15.3 MKTF WELLS

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	NE	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.06	6
Well ID	DATE SAMPLED	METHOD												
MKTF-1	11/4/2015	200.7/200.8	<0.005	2.7	<0.002	<0.006	<0.006	4.7	<0.0005	1.9	<0.005	7.2E-03	<0.0005	<0.01
	8/21/2015	200.7/200.8	<0.005	2.4	<0.002	<0.006	<0.006	4.0	<0.0025	1.9	<0.005	<0.005	<0.025	<0.01
	6/9/2015	200.7/200.8	<0.005	2.3	<0.002	<0.006	<0.006	4.7	<0.005	2.1	<0.005	5.6E-03	<0.005	<0.01
	3/11/2015	200.7/200.8	<0.01	2.0	<0.002	<0.006	<0.006	4.4	<0.001	1.9	<0.005	<0.02	<0.001	<0.01
	6/6/2014	200.7/200.8	<0.005	1.4	<0.002	<0.006	<0.006	4.7	<0.005	1.7	<0.005	0.013	<0.01	0.028
MKTF-2	11/4/2015	200.7/200.8	4.9E-03	0.14	<0.002	<0.006	<0.006	0.25	0.00065	0.44	<0.005	<0.005	0.03	<0.01
	8/21/2015	200.7/200.8	4.3E-03	0.13	<0.002	<0.006	<0.006	0.76	<0.0005	0.6	<0.005	3.2E-03	0.048	<0.01
	6/9/2015	200.7/200.8	<0.005	0.12	<0.002	<0.006	<0.006	0.21	<0.005	0.56	<0.005	<0.005	0.032	<0.01
	3/11/2015	200.7/200.8	4.7E-03	0.13	<0.002	<0.006	<0.006	0.11	<0.001	0.56	<0.005	8.4E-03	0.049	<0.01
	11/14/2014	200.7/200.8	<0.01	0.13	<0.002	<0.006	<0.006	2.2	<0.01	0.51	<0.005	<0.01	0.059	0.027
	9/18/2014	200.7/200.8	<0.005	0.15	<0.002	<0.006	<0.006	0.029	<0.001	0.59	<0.005	<0.005	0.012	0.041
MKTF-4	6/6/2014	200.7/200.8	<0.005	0.13	<0.002	<0.006	<0.006	0.34	<0.005	0.56	<0.005	0.012	0.056	0.01
	11/3/2015	200.7/200.8	0.012	3.1	<0.002	<0.006	<0.006	13	<0.0005	1.5	<0.005	<0.02	2.3E-03	<0.01
	8/18/2015	200.7/200.8	<0.01	2.5	<0.002	<0.006	<0.006	8.7	<0.0025	1.6	<0.005	<0.01	3.4E-03	<0.01
	6/4/2015	200.7/200.8	<0.01	2.2	<0.002	<0.006	<0.006	8.6	<0.01	1.6	<0.005	<0.01	<0.01	0.023
	3/16/2015	200.7/200.8	9.7E-03	1.1	<0.002	<0.006	<0.006	2.0	<0.005	1.9	<0.005	<0.05	0.013	0.021
	11/13/2014	200.7/200.8	6.0E-03	1.3	<0.002	<0.006	<0.006	4.7	<0.005	1.8	<0.005	<0.005	0.013	0.01
	9/15/2014	200.7/200.8	<0.01	0.78	<0.002	<0.006	<0.006	3.6	1.3E-03	1.7	<0.005	<0.01	0.018	<0.01
	6/4/2014	200.7/200.8	7.8E-03	1.9	<0.002	<0.006	<0.006	2.5	<0.005	1.4	<0.005	0.022	<0.01	<0.01
MKTF-9	11/3/2015	200.7/200.8	<0.005	0.5	<0.002	<0.006	<0.006	3.2	<0.0005	4.2	<0.005	<0.01	3.6E-03	<0.01
	8/18/2015	200.7/200.8	<0.01	0.45	<0.002	<0.006	<0.006	2.4	<0.0025	4.0	<0.005	<0.01	3.9E-03	<0.01
	6/4/2015	200.7/200.8	<0.01	0.31	<0.002	<0.006	<0.006	1.9	<0.01	3.2	<0.005	<0.01	<0.01	0.012
	3/16/2015	200.7/200.8	<0.005	0.19	<0.002	<0.006	<0.006	1.4	<0.001	2.3	<0.005	<0.01	0.012	0.039
	11/14/2014	200.7/200.8	<0.01	0.34	<0.002	<0.006	<0.006	2.4	<0.01	2.8	<0.005	<0.01	<0.01	0.017
	9/18/2014	200.7/200.8	<0.01	0.32	<0.002	<0.006	<0.006	2.2	<0.001	2.6	<0.005	<0.01	0.012	<0.01
	6/5/2014	200.7/200.8	<0.005	0.44	<0.002	<0.006	<0.006	3.4	<0.005	3.6	<0.005	0.014	<0.01	<0.01
MKTF-10	11/3/2015	200.7/200.8	5.6E-03	13	<0.002	<0.006	<0.006	50	<0.005	18	<0.005	6.7E-03	<0.0005	<0.01
	8/18/2015	200.7/200.8	0.013	15	<0.002	0.013	<0.006	64	<0.0025	22	<0.005	<0.01	<0.0025	<0.01
	6/4/2015	200.7/200.8	<0.01	12	<0.002	<0.006	<0.006	53	<0.01	18	<0.005	<0.01	<0.01	0.034
	3/16/2015	200.7/200.8	<0.005	12	<0.002	<0.006	<0.006	49	<0.001	17	<0.005	6.8E-03	<0.001	<0.01
	11/14/2014	200.7/200.8	<0.01	17	<0.002	<0.006	<0.006	67	<0.01	24	<0.005	<0.01	<0.01	0.018
	9/18/2014	200.7/200.8	<0.005	11	<0.002	<0.006	<0.006	33	<0.001	14	<0.005	<0.005	<0.001	<0.01
	6/6/2014	200.7/200.8	<0.005	8.1	<0.002	<0.006	<0.006	18	<0.005	9.2	<0.005	0.011	<0.01	<0.01
MKTF-11	11/3/2015	200.7/200.8	8.40E-03	4	<0.002	<0.006	<0.006	12	<0.0005	3.6	<0.005	6.4E-03	<0.0005	<0.01
	8/18/2015	200.7/200.8	<0.01	2.0	<0.002	<0.006	<0.006	4.0	<0.0025	4.0	<0.005	<0.01	3.4E-03	<0.01
	6/4/2015	200.7/200.8	<0.01	2.7	<0.002	<0.006	<0.006	9.9	<0.01	3.0	<0.005	<0.01	<0.01	0.018
	3/16/2015	200.7/200.8	8.7E-03	2.0	<0.002	<0.006	<0.006	4.8	<0.001	2.9	<0.005	0.008	1.3E-03	<0.01
	11/13/2014	200.7/200.8	<0.01	1.5	<0.002	<0.006	<0.006	3.4	<0.001	3.2	<0.005	5.1E-03	3.3E-03	0.019
	9/15/2014	200.7/200.8	8.6E-03	1.1	<0.002	<0.006	<0.006	2.7	<0.001	2.4	<0.005	<0.005	4.0E-03	<0.01
	6/5/2014	200.7/200.8	6.4E-03	1.8	<0.002	6.0E-03	<0.006	11	0.022	3.6	<0.005	0.01	<0.01	0.036
	9/17/2014	200.7/200.8	<0.01	27	<0.002	<0.006	<0.006	13	<0.01	9.0	<0.005	<0.01	<0.01	<0.01

8.15.3 MKTF WELLS

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	NE	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.06	6
Well ID	DATE SAMPLED	METHOD												
MKTF-16	6/5/2014	200.7/200.8	<0.005	25	<0.002	<0.006	<0.006	11	<0.005	7.5	<0.005	<0.01	<0.01	0.011
	11/3/2015	200.7/200.8	0.016	3.1	<0.002	<0.006	<0.006	13	<0.0005	3.9	<0.005	0.019	<0.0005	<0.01
	8/23/2015	200.7/200.8	0.01	2.7	<0.002	<0.006	<0.006	11	<0.0025	4.1	<0.005	9.7E-03	<0.0025	<0.01
	6/8/2015	200.7/200.8	8.7E-03	2.3	<0.002	<0.006	<0.006	11	<0.005	3.6	<0.005	8.1E-03	<0.005	0.017
	3/16/2015	200.7/200.8	<0.01	0.94	<0.002	<0.006	<0.006	5.6	<0.001	1.2	<0.005	<0.02	<0.001	0.024
	11/18/2014	200.7/200.8	0.011	0.88	<0.002	<0.006	<0.006	7.2	<0.001	1.1	<0.005	<0.01	<0.001	0.019
	9/17/2014	200.7/200.8	0.011	0.81	<0.002	<0.006	<0.006	7.3	<0.001	1.1	<0.005	<0.01	<0.001	0.017
MKTF-17	6/5/2014	200.7/200.8	0.013	0.81	<0.002	<0.006	<0.006	7.9	<0.005	1.3	<0.005	0.017	<0.01	0.022
	11/3/2015	200.7/200.8	0.01	0.19	<0.002	<0.006	<0.006	0.65	<0.0005	3.5	<0.005	5.E-03	0.013	<0.01
	8/18/2015	200.7/200.8	<0.01	0.097	<0.02	<0.006	<0.006	0.49	<0.0025	2.8	<0.005	<0.01	0.017	<0.01
	6/8/2015	200.7/200.8	<0.005	0.11	<0.002	<0.006	<0.006	0.14	<0.002	3.1	<0.005	<0.005	0.021	<0.01
	3/12/2015	200.7/200.8	6.2E-03	0.13	<0.002	<0.006	<0.006	0.57	<0.001	3.0	<0.005	5.8E-03	0.021	<0.01
	11/18/2014	200.7/200.8	4.7E-03	0.14	<0.002	<0.006	<0.006	0.08	<0.001	2.8	<0.005	<0.01	0.022	0.027
	9/18/2014	200.7/200.8	5.3E-03	0.16	<0.002	<0.006	<0.006	0.27	<0.001	3.1	<0.005	<0.005	0.022	0.018
MKTF-18	6/16/2014	200.7/200.8	5.4E-03	0.24	<0.002	<0.006	<0.006	0.94	<0.005	3.3	<0.005	<0.005	0.022	0.14
	11/3/2015	200.7/200.8	3.1E-03	2.5	<0.002	<0.006	<0.006	4.8	0.0053	1.9	<0.005	<0.01	1.2E-03	<0.01
	8/18/2015	200.7/200.8	<0.01	2.0	<0.002	<0.006	<0.006	1.2	<0.0025	1.7	<0.005	<0.01	<0.0025	<0.01
	6/8/2015	200.7/200.8	<0.005	2.5	<0.002	<0.006	<0.006	3.9	<0.002	1.8	<0.005	<0.005	<0.002	<0.01
	3/17/2015	200.7/200.8	<0.01	2.5	<0.002	<0.006	<0.006	3.8	<0.001	1.8	<0.005	<0.01	<0.001	<0.01
	11/18/2014	200.7/200.8	2.0E-03	2.4	<0.002	<0.006	<0.006	3.4	<0.001	1.7	<0.005	<0.01	<0.001	0.025
	9/18/2014	200.7/200.8	<0.005	2.3	<0.002	<0.006	<0.006	0.3	<0.001	1.7	<0.005	<0.005	1.2E-03	0.012
MKTF-19	6/6/2014	200.7/200.8	<0.005	2.4	<0.002	<0.006	<0.006	4.5	<0.005	2.0	<0.005	8.6E-03	<0.01	<0.01
	11/3/2015	200.7/200.8	0.018	1.7	<0.002	<0.006	<0.006	13	1.6E-03	3.4	<0.005	<0.05	<0.0005	<0.01
	8/18/2015	200.7/200.8	0.020	1.7	<0.002	<0.006	<0.006	14	3.2E-03	3.2	<0.005	<0.01	<0.0025	0.02
	6/8/2015	200.7/200.8	0.019	1.7	<0.002	<0.006	<0.006	12	<0.002	3.3	<0.005	<0.01	<0.002	<0.01
	3/12/2015	200.7/200.8	0.021	1.6	<0.002	<0.006	<0.006	9.5	1.7E-03	3.1	<0.005	<0.02	<0.001	0.012
MKTF-20	11/18/2014	200.7/200.8	0.022	1.6	<0.002	<0.006	<0.006	11	1.9E-03	3.0	<0.005	<0.01	<0.001	0.018
	6/8/2015	200.7/200.8	0.012	1.5	<0.002	<0.006	<0.006	3.6	<0.005	2.0	<0.005	<0.005	<0.005	0.045
MKTF-21	3/16/2015	200.7/200.8	0.022	2.0	<0.002	<0.006	<0.006	8.6	1.3E-03	3.1	<0.005	<0.01	8.8E-03	<0.01
	6/10/2015	200.7/200.8	Not enough water to collect samples											
MKTF-22	3/16/2015	200.7/200.8	0.011	1.9	<0.002	<0.006	<0.006	18	0.012	3.1	<0.005	<0.01	1.2E-03	0.074
	11/9/2015	200.7/200.8	3.3E-03	0.92	<0.002	<0.006	<0.006	5.9	8.3E-03	2.4	<0.005	<0.005	4.8E-03	<0.01
	8/20/2015	200.7/200.8	<0.005	0.37	<0.002	<0.006	<0.006	8.5	<0.0025	1.9	<0.005	<0.005	0.013	<0.01
	6/9/2015	200.7/200.8	<0.005	1.1	<0.002	<0.006	<0.006	6.8	<0.002	2.3	<0.005	<0.005	3.8E-03	0.029
	3/12/2015	200.7/200.8	3.1E-03	1.3	<0.002	<0.006	<0.006	7.5	1.6E-03	2.3	<0.005	6.7E-03	3.2E-03	<0.01
MKTF-23	11/17/2014	200.7/200.8	<0.005	0.78	<0.002	<0.006	<0.006	6.8	0.001	2.2	<0.005	<0.005	5.3E-03	0.024
	11/9/2015	200.7/200.8	0.015	0.71	<0.002	<0.006	<0.006	0.99	<0.0025	1.4	<0.005	<0.05	0.024	<0.01
	8/21/2015	200.7/200.8	0.011	0.7	<0.002	<0.006	<0.006	0.34	<0.0005	1.3	<0.005	<0.01	0.014	<0.01
	6/9/2015	200.7/200.8	0.010	0.75	<0.002	<0.006	<0.006	2.4	<0.002	1.5	<0.005	<0.005	7.2E-03	<0.01
	3/12/2015	200.7/200.8	0.013	0.61	<0.002	<0.006	<0.006	4.4	<0.001	1.9	<0.005	<0.02	4.5E-03	<0.01
MKTF-23	11/17/2014	200.7/200.8	0.010	0.57	<0.002	<0.006	<0.006	3.1	<0.001	1.7	<0.005	<0.01	0.013	0.018

8.15.3 MKTF WELLS

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	NE	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.06	6
Well ID	DATE SAMPLED	METHOD												
MKTF-24	11/4/2015	200.7/200.8	<0.005	0.26	<0.002	<0.006	<0.006	0.41	1.6E-03	1.3	<0.005	9.1E-03	0.032	<0.01
	8/20/2015	200.7/200.8	<0.005	0.31	<0.002	<0.006	<0.006	4.1	2.7E-03	1.5	<0.005	<0.005	0.035	<0.01
	6/10/2015	200.7/200.8	<0.005	0.29	<0.002	<0.006	<0.006	0.69	<0.005	1.4	<0.005	5.8E-03	0.037	0.021
	3/11/2015	200.7/200.8	<0.005	0.26	<0.002	<0.006	<0.006	0.34	1.5E-03	1.2	<0.005	0.011	0.043	<0.01
	11/14/2014	200.7/200.8	<0.005	0.29	<0.002	<0.006	<0.006	4.4	<0.005	1.6	<0.005	<0.005	0.038	0.018
MKTF-25	11/5/2015	200.7/200.8	<0.005	0.34	<0.002	<0.006	<0.006	0.4	1.7E-03	3.2	<0.005	7.8E-03	0.03	<0.01
	8/21/2015	200.7/200.8	4.3E-03	0.35	<0.002	<0.006	<0.006	0.57	5.1E-04	3.3	<0.005	<0.01	0.034	<0.01
	6/10/2015	200.7/200.8	<0.005	0.32	<0.002	<0.006	<0.006	0.64	<0.005	3.2	<0.005	0.005	0.033	0.016
	3/11/2015	200.7/200.8	<0.01	0.26	<0.002	<0.006	<0.006	0.2	<0.001	3.2	<0.005	<0.02	0.038	0.017
	11/14/2014	200.7/200.8	<0.005	0.28	<0.002	<0.006	<0.006	0.21	<0.005	3.1	<0.005	<0.005	0.03	0.1
MKTF-26	11/4/2015	200.7/200.8	<0.005	0.14	<0.002	<0.006	<0.006	0.35	0.0011	1.0	<0.005	7.5E-03	0.062	<0.01
	8/20/2015	200.7/200.8	<0.005	0.1	<0.002	<0.006	<0.006	0.57	<0.0025	1.1	<0.005	<0.005	0.092	<0.01
	6/10/2015	200.7/200.8	<0.005	0.14	<0.002	<0.006	<0.006	0.86	<0.005	1.2	<0.005	<0.005	0.063	0.036
	3/11/2015	200.7/200.8	<0.01	0.17	<0.002	<0.006	<0.006	0.85	<0.001	1.4	<0.005	<0.01	0.045	0.068
	11/14/2014	200.7/200.8	<0.01	0.13	<0.002	<0.006	<0.006	0.18	<0.01	1.4	<0.005	<0.01	0.066	0.014
MKTF-27	11/4/2015	200.7/200.8	<0.005	0.078	<0.002	<0.006	<0.006	0.12	<0.005	0.7	<0.005	<0.02	0.066	<0.01
	8/20/2015	200.7/200.8	<0.005	0.092	<0.002	<0.006	<0.006	1.8	<0.0025	0.49	<0.005	<0.01	0.069	<0.01
	6/9/2015	200.7/200.8	<0.005	0.083	<0.002	<0.006	<0.006	0.56	<0.005	0.35	<0.005	7.5E-03	0.067	0.01
	3/11/2015	200.7/200.8	<0.01	0.086	<0.002	<0.006	<0.006	0.15	<0.01	0.1	<0.005	0.014	0.075	<0.01
	11/14/2014	200.7/200.8	<0.01	0.094	<0.002	<0.006	<0.006	0.55	<0.01	0.28	<0.005	<0.01	0.075	0.03
MKTF-28	11/4/2015	200.7/200.8	<0.01	0.08	<0.002	<0.006	<0.006	0.1	<0.0005	0.088	<0.005	<0.05	0.15	<0.01
	8/20/2015	200.7/200.8	<0.005	0.082	<0.002	<0.006	<0.006	0.2	<0.0025	0.018	<0.005	8.1E-03	0.15	<0.01
	6/9/2015	200.7/200.8	<0.005	0.087	<0.002	<0.006	<0.006	0.1	<0.005	5.4E-03	<0.005	0.012	0.16	0.031
	3/11/2015	200.7/200.8	<0.01	0.09	<0.002	<0.006	<0.006	0.075	<0.001	5.7E-03	<0.005	<0.05	0.17	<0.01
	11/14/2014	200.7/200.8	<0.005	0.099	<0.002	<0.006	<0.006	0.6	<0.005	0.32	<0.005	<0.02	0.12	0.038
MKTF-29	11/4/2015	200.7/200.8	2.2E-03	0.041	<0.002	<0.006	<0.006	0.0	<0.005	0.55	<0.005	3.5E-03	0.016	<0.01
	8/20/2015	200.7/200.8	<0.005	0.041	<0.002	<0.006	<0.006	0.1	<0.0025	0.49	<0.005	<0.005	0.018	<0.01
	6/10/2015	200.7/200.8	<0.005	0.035	<0.002	<0.006	<0.006	0.049	<0.005	0.36	<0.005	<0.005	0.019	0.025
	3/11/2015	200.7/200.8	2.4E-03	0.031	<0.002	<0.006	<0.006	<0.02	<0.001	0.34	<0.005	4.5E-03	0.023	<0.01
MKTF-30	11/4/2015	200.7/200.8	<0.005	0.048	<0.002	<0.006	<0.006	0.036	<0.005	0.008	<0.005	0.01	0.024	<0.01
	8/20/2015	200.7/200.8	<0.005	0.071	<0.002	<0.006	<0.006	2.4	<0.0025	0.14	<0.005	<0.01	0.028	<0.01
	6/10/2015	200.7/200.8	<0.005	0.05	<0.002	<0.006	<0.006	0.58	<0.005	0.089	<0.005	6.5E-03	0.033	<0.01
	3/11/2015	200.7/200.8	<0.01	0.036	<0.002	<0.006	<0.006	0.19	<0.01	0.018	<0.005	0.014	0.041	<0.01
	11/17/2014	200.7/200.8	<0.01	0.036	<0.002	<0.006	<0.006	0.26	<0.001	0.021	<0.005	<0.01	0.041	0.039
MKTF-31	11/4/2015	200.7/200.8	<0.005	0.14	<0.002	<0.006	<0.006	<0.02	<0.005	0.033	<0.005	8.5E-03	0.042	<0.01
	8/21/2015	200.7/200.8	<0.005	0.14	<0.002	<0.006	<0.006	<0.02	<0.0005	0.035	<0.005	<0.01	0.047	<0.01
	6/10/2015	200.7/200.8	<0.005	0.13	<0.002	<0.006	<0.006	0.021	<0.005	0.026	<0.005	5.8E-03	0.048	0.032
	3/11/2015	200.7/200.8	<0.01	0.17	<0.002	<0.006	<0.006	0.026	<0.001	0.032	<0.005	0.013	0.054	<0.01
	11/17/2014	200.7/200.8	<0.005	0.17	<0.002	<0.006	<0.006	<0.02	<0.001	0.059	<0.005	7.5E-03	0.045	0.027
MKTF-32	11/5/2015	200.7/200.8	<0.005	0.054	<0.002	<0.006	<0.006	0.064	<0.0005	0.076	<0.005	8.1E-03	0.059	<0.01
	8/21/2015	200.7/200.8	<0.005	0.077	<0.002	<0.006	<0.006	0.57	0.00051	0.06	<0.005	<0.01	0.067	<0.01

8.15.3 MKTF WELLS

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	NE	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.06	6
Well ID	DATE SAMPLED	METHOD												
	6/9/2015	200.7/200.8	<0.005	0.057	<0.002	<0.006	<0.006	0.058	<0.005	0.082	<0.005	<0.005	0.066	0.016
	3/12/2015	200.7/200.8	<0.01	0.057	<0.002	<0.006	<0.006	0.18	<0.001	0.08	<0.005	<0.02	0.068	0.014
	11/17/2014	200.7/200.8	<0.005	0.064	<0.002	<0.006	<0.006	0.21	<0.001	0.094	<0.005	<0.01	0.059	0.01
MKTF-33	11/9/2015	200.7/200.8	<0.005	0.062	<0.002	<0.006	<0.006	0.071	0.00059	0.24	<0.005	<0.005	0.04	<0.01
	8/21/2015	200.7/200.8	<0.005	0.054	<0.002	<0.006	<0.006	<0.02	<0.0005	0.28	<0.005	0.0024	0.042	<0.01
	6/9/2015	200.7/200.8	<0.005	0.055	<0.002	<0.006	<0.006	<0.02	<0.002	0.14	<0.005	<0.005	0.044	0.028
	3/12/2015	200.7/200.8	<0.01	0.061	<0.002	<0.006	<0.006	0.026	<0.001	0.28	<0.005	<0.01	0.045	0.017
	11/17/2014	200.7/200.8	<0.005	0.064	<0.002	<0.006	<0.006	0.061	<0.001	0.24	<0.005	<0.005	0.045	0.016
MKTF-34	1/3/2015	200.7/200.8	<0.005	0.12	<0.002	<0.006	<0.006	<0.02	<0.0005	<0.002	<0.005	<0.02	0.027	<0.01
	8/18/2015	200.7/200.8	<0.01	0.13	<0.002	<0.006	<0.006	<0.02	<0.0025	<0.002	<0.005	<0.01	0.027	<0.01
	6/8/2015	200.7/200.8	<0.005	0.14	<0.002	<0.006	<0.006	0.11	<0.002	5.9E-03	<0.005	<0.01	0.029	0.018
	3/12/2015	200.7/200.8	<0.01	0.12	<0.002	<0.006	<0.006	0.21	<0.001	0.013	<0.005	<0.05	0.025	<0.01
	11/17/2014	200.7/200.8	<0.01	0.15	<0.002	<0.006	<0.006	<0.02	<0.001	4.1E-03	<0.005	<0.02	0.027	0.051
MKTF-35	11/3/2015	200.7/200.8	<0.005	0.57	<0.002	<0.006	<0.006	2.6	<0.0005	3.0	<0.005	3.5E-03	1.9E-03	<0.01
	8/18/2015	200.7/200.8	<0.01	0.96	<0.002	<0.006	<0.006	2.8	<0.0025	2.9	<0.005	<0.01	<0.0025	<0.01
	6/4/2015	200.7/200.8	<0.005	0.36	<0.002	<0.006	<0.006	2.6	<0.005	3.1	<0.005	<0.005	<0.005	0.017
	3/17/2015	200.7/200.8	<0.01	0.31	<0.002	<0.006	<0.006	3.6	1.1E-03	3.5	<0.005	<0.01	2.6E-03	<0.01
MKTF-36	8/18/2015	200.7/200.8	0.018	6.1	<0.002	0.0064	<0.006	18	<0.0025	2.5	<0.005	<0.01	<0.0025	<0.01
	6/4/2015	200.7/200.8	0.016	6.6	<0.002	<0.006	<0.006	18	<0.005	2.4	<0.005	<0.005	<0.005	0.012
	3/17/2015	200.7/200.8	0.015	6.4	<0.002	<0.006	<0.006	19	3.4E-03	2.6	<0.005	<0.01	<0.001	0.047
MKTF-37	8/18/2015	200.7/200.8	<0.01	0.19	<0.002	<0.006	<0.006	2.6	4.7E-03	1.8	<0.005	<0.01	0.019	<0.01
	6/4/2015	200.7/200.8	<0.01	0.19	<0.002	<0.006	<0.006	1.8	<0.01	2.3	<0.005	<0.01	0.023	0.039
	3/17/2015	200.7/200.8	<0.005	0.16	<0.002	<0.006	<0.006	1.1	7.1E-03	2.7	<0.005	<0.01	0.021	0.029
MKTF-38	11/9/2015	200.7/200.8	<0.005	0.066	<0.002	<0.006	<0.006	0.22	0.001	3.4	<0.005	<0.05	0.019	<0.01
	8/24/2015	200.7/200.8	1.9E-03	0.066	<0.002	<0.006	<0.006	0.094	<0.0005	3.0	<0.005	3.3E-03	0.023	<0.01
	6/10/2015	200.7/200.8	<0.005	0.074	<0.002	<0.006	<0.006	0.31	<0.005	3.1	<0.005	<0.005	0.021	0.021
	3/16/2015	200.7/200.8	<0.01	0.14	<0.002	<0.006	<0.006	0.24	<0.001	3.1	<0.005	<0.01	0.025	0.096
MKTF-39	11/9/2015	200.7/200.8	<0.005	30	<0.002	<0.006	<0.006	29	<0.005	3.9	<0.005	<0.02	<0.005	<0.01
	8/23/2015	200.7/200.8	<0.005	44	<0.002	<0.006	<0.006	45	<0.0025	5.8	<0.005	<0.01	<0.0025	0.023
	6/10/2015	200.7/200.8	<0.01	67	<0.002	<0.006	<0.006	60	<0.01	8.8	<0.005	<0.01	<0.01	0.012
	3/16/2015	200.7/200.8	<0.01	21	<0.002	<0.006	<0.006	31	<0.005	7.0	<0.005	0.011	9.9E-03	<0.01
MKTF-40	11/4/2015	200.7/200.8	<0.005	0.15	<0.002	<0.006	<0.006	0.051	<0.0025	0.23	<0.005	<0.02	0.06	<0.01
	8/21/2015	200.7/200.8	<0.005	0.086	<0.002	<0.006	<0.006	0.039	<0.0025	0.18	<0.005	7.8E-03	0.087	<0.01
	6/10/2015	200.7/200.8	<0.005	0.16	<0.002	<0.006	<0.006	0.11	<0.005	0.15	<0.005	9.6E-03	0.069	0.022
	3/11/2015	200.7/200.8	<0.01	0.19	<0.002	<0.006	<0.006	0.11	<0.01	0.2	<0.005	0.02	0.07	<0.01
MKTF-41	11/5/2015	200.7/200.8	<0.01	0.083	<0.002	<0.006	<0.006	0.27	1.5E-03	0.037	<0.005	0.054	0.022	<0.01
	8/21/2015	200.7/200.8	<0.01	0.097	<0.002	<0.006	<0.006	1.4	1.3E-03	0.044	<0.005	0.049	0.026	<0.01
	6/9/2015	200.7/200.8	<0.005	0.073	<0.002	<0.006	<0.006	0.18	<0.005	0.011	<0.005	0.045	0.03	0.018
	3/12/2015	200.7/200.8	<0.01	0.081	<0.002	<0.006	<0.006	0.2	<0.001	0.024	<0.005	0.059	0.034	0.013
MKTF-42	11/5/2015	200.7/200.8	<0.005	0.071	<0.002	<0.006	<0.006	0.092	<0.0005	0.43	<0.005	0.012	0.024	<0.01
	8/21/2015	200.7/200.8	<0.005	0.078	<0.002	<0.006	<0.006	0.046	<0.0005	0.39	<0.005	7.5E-03	0.029	<0.01

8.15.3 MKTF WELLS

Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Silver (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	NE	NE	0.015	NE	NE	0.05	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0812	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	0.0092	NE	0.8	14	0.015	0.43	0.094	0.1	0.06	6
Well ID	DATE SAMPLED	METHOD												
MKTF-43	6/9/2015	200.7/200.8	<0.005	0.082	<0.002	<0.006	<0.006	0.031	<0.005	0.55	<0.005	7.2E-03	0.035	<0.01
	3/11/2015	200.7/200.8	<0.01	0.094	<0.002	<0.006	<0.006	0.11	<0.001	0.54	<0.005	0.015	0.04	0.036
	11/5/2015	200.7/200.8	<0.05	0.085	<0.002	<0.006	<0.006	0.11	<0.005	14	<0.005	0.094	0.25	0.011
	8/21/2015	200.7/200.8	<0.02	0.1	<0.002	<0.006	<0.006	0.062	<0.01	20	<0.005	0.06	0.28	<0.1
	6/10/2015	200.7/200.8	<0.05	0.12	<0.002	<0.006	<0.006	1.1	<0.05	15	<0.005	<0.1	0.23	0.032
MKTF-44	3/11/2015	200.7/200.8	<0.05	0.17	<0.01	0.048	<0.03	0.49	<0.05	3.7	<0.025	0.11	0.15	<0.05
	11/9/2015	200.7/200.8	<0.01	0.053	<0.002	0.0062	<0.006	0.87	0.0053	0.081	<0.005	0.014	0.21	<0.01
	8/17/2015	200.7/200.8	<0.005	0.11	<0.002	0.013	<0.006	2.6	0.0075	0.2	<0.005	0.015	0.21	0.016
	6/10/2015	200.7/200.8	<0.005	0.05	<0.002	9.9E-03	<0.006	0.91	<0.005	0.042	<0.005	0.015	0.21	0.021
	3/12/2015	200.7/200.8	<0.01	0.07	<0.002	7.2E-03	<0.006	0.85	3.1E-03	0.079	<0.005	0.017	0.22	0.011

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

2) 2009 Method 6010B Total Recoverable Metals Analysis run

3) Water level too shallow to collect samples.

4) Was not sampled in September due to low recharge rate.

5) Quarterly combined with 2013 Annual sampling event.

8.15.4 MKTF WELLS

Semi-Volatile Organic Compound Analytical Result Summary

			Aniline (mg/L)	Benzoic Acid (mg/L)	Bis(2-ethylhexyl) phthalate (mg/L)	Carbazole (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			NE	NE	0.0556	NE	0.354	0.288	NE	NE	NE	NE	0.00165	0.17	5.76	NE
EPA RSL for Tap Water (NOV 2015)			0.013	75	0.0056	NE	0.36	0.29	1.1E-03	0.0036	0.93	0.93	1.7E-04	NE	5.8	0.02
Well ID	DATE SAMPLED	METHOD														
MKTF-1	11/4/2015	8270C	0.011	<0.02	<0.01	<0.01	0.068	<0.01	0.2	0.087	0.049	0.07	0.12	0.012	0.036	
	8/21/2015	8270C	0.014	<0.02	<0.01	<0.01	0.046	<0.01	0.14	0.03	0.054	0.05	0.1	<0.01	0.022	
	6/9/2015	8270C	<0.01	<0.02	<0.01	<0.01	0.08	<0.01	0.34	0.16	0.076	0.05	0.19	0.022	0.031	
	3/11/2015	8270C	0.018	<0.02	<0.01	<0.01	0.051	<0.01	0.12	<0.01	0.061	0.035	0.09	<0.01	0.023	
	6/6/2014	8270C	<0.01	<0.02	<0.01	<0.01	0.05	0.02	0.31	0.31	0.06	0.031	0.31	0.028	0.019	
MKTF-2	11/5/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	8/21/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/9/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/11/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/14/2014	8270C	<0.01	<0.02	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/18/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.023	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
	6/6/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
MKTF-4	4/8/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
	11/3/2015	8270C	<0.01	<0.02	<0.01	0.019	<0.01	<0.01	0.15	0.16	<0.01	<0.01	0.27	<0.01	<0.01	
	8/18/2015	8270C	<0.01	<0.02	<0.01	0.021	<0.01	<0.01	0.15	0.096	<0.01	<0.01	0.26	<0.01	<0.01	
	6/4/2015	8270C	<0.01	<0.02	<0.01	0.015	<0.01	<0.01	0.12	0.076	<0.01	<0.01	0.19	<0.01	<0.01	
	3/16/2015	8270C	<0.01	<0.02	<0.01	0.014	<0.01	<0.01	0.051	0.025	<0.01	<0.01	0.059	<0.01	<0.01	
	11/13/2014	8270C	<0.01	<0.02	<0.01	0.017	<0.01	<0.01	0.061	0.047	<0.01	<0.01	0.08	<0.01	<0.01	
	9/24/2014 ¹	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.13	0.16	<0.02	<0.01	0.19	<0.01	<0.01	
MKTF-9	6/4/2014	8270C	<0.01	0.021	<0.01	0.011	<0.01	<0.01	0.11	0.14	<0.02	<0.01	0.24	<0.01	<0.01	
	4/11/2014	8270C	<0.01	<0.02	<0.01	0.017	<0.01	<0.01	0.12	0.16	<0.02	<0.01	0.23	<0.01	<0.01	
	11/3/2015	8270C	<0.01	<0.02	<0.01	0.013	<0.01	<0.01	0.085	0.011	<0.01	<0.01	0.034	<0.01	<0.01	
	8/18/2015	8270C	<0.10	<0.02	<0.01	0.016	<0.01	<0.01	0.08	<0.01	<0.01	<0.01	0.023	0.011	<0.01	
	6/4/2015	8270C	<0.10	<0.02	<0.01	0.01	<0.01	<0.01	0.036	<0.01	<0.01	<0.01	0.012	<0.01	<0.01	
	3/16/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.027	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/14/2014	8270C	<0.01	<0.02	0.011	<0.01	<0.01	<0.01	0.049	<0.01	<0.01	<0.01	0.021	<0.01	<0.01	
MKTF-10	9/18/2014	8270C	<0.01	<0.02	<0.01	0.01	<0.01	<0.01	0.031	<0.01	<0.02	<0.01	0.018	<0.01	<0.01	
	6/5/2014	8270C	<0.01	<0.02	<0.01	0.01	<0.01	<0.01	0.058	0.014	<0.02	<0.01	0.041	<0.01	<0.01	
	4/14/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.046	0.01	<0.02	<0.01	0.031	<0.01	<0.01	
	11/3/2015	8270C	0.029	<0.02	<0.01	<0.01	0.093	<0.01	0.06	0.069	0.28	0.42	0.14	<0.01	0.24	
	8/18/2015	8270C	0.06	<0.02	<0.01	<0.01	0.085	<0.01	0.14	0.13	0.45	0.65	0.25	<0.01	0.41	
	6/4/2015	8270C	<0.01	<0.02	<0.01	<0.01	0.1	<0.01	0.066	0.084	0.35	0.54	0.18	<0.01	0.28	
	3/16/2015	8270C	0.067	<0.02	<0.01	<0.01	0.11	<0.01	<0.01	0.088	0.53	0.63	0.17	<0.01	0.42	
MKTF-11	11/14/2014	8270C	0.054	<0.02	0.01	<0.01	0.063	<0.01	0.046	0.051	0.33	0.4	0.099	<0.01	0.29	
	9/18/2014	8270C	0.073	<0.02	<0.01	<0.01	0.09	<0.01	0.036	0.042	0.32	0.38	0.098	<0.01	0.25	
	6/6/2014	8270C	0.075	<0.02	<0.01	<0.01	0.11	<0.01	0.04	0.053	0.49	0.61	0.14	<0.01	0.37	
	4/11/2014	8270C	0.075	<0.023	<0.012	<0.012	0.12	<0.012	0.042	0.056	0.3	0.26	0.14	<0.012	0.061	
	11/3/2015	8270C	0.038	<0.02	<0.01	<0.01	0.11	<0.01	0.022	0.023	0.3	0.27	0.073	<0.01	0.09	
	8/18/2015	8270C	<0.01	<0.029	<0.01	<0.01	0.015	<0.01	0.01	<0.01	0.049	0.029	0.017	<0.01	0.027	
	6/4/2015	8270C	0.046	<0.02	<0.01	<0.01	0.14	<0.01	0.02	0.021	0.3	0.23	0.07	<0.01	0.053	
MKTF-15	3/16/2015	8270C	0.044	<0.02	<0.01	<0.01	0.11	<0.01	0.025	0.02	0.27	0.24	0.069	<0.01	0.052	
	11/13/2014	8270C	<0.01	<0.02	0.014	<0.01	0.012	<0.01	0.015	<0.01	0.07	0.046	0.031	<0.01	0.02	
	9/24/2014 ¹	8270C	0.027	<0.02	<0.10	<0.01	0.19	<0.01	0.024	0.022	0.35	0.24	0.067	<0.01	0.078	
	6/5/2014	8270C	0.025	<0.02	<0.01	<0.01	0.092	<0.01	0.011	<0.01	0.18	0.13	0.046	<0.01	0.032	
	4/11/2014	8270C	0.023	<0.02	<0.01	<0.01	0.078	<0.01	0.012	<0.01	0.16	0.11	0.038	<0.01	0.021	
	9/17/2014	8270C	<0.01	<0.02	<0.01	<0.01	0.013	<0.01	0.035	0.033	0.024	<0.01	0.048	<0.01	<0.01	
	6/5/2014	8270C	<0.01	0.023	<0.01	<0.01	0.013	<0.01	0.021	0.021	0.028	<0.01	0.05	<0.01	<0.01	
MKTF-16	4/10/2014	8270C	<0.012	<0.025	<0.012	<0.012	0.016	<0.012	0.02	0.021	0.043	<0.012	0.048	<0.012	0.015	
	11/3/2015	8270C	0.02	<0.02	<0.01	<0.01	0.12	<0.01	0.035	0.046	0.081	<0.01	0.13	<0.01	0.057	
	8/23/2015	8270C	0.025	<0.02	<0.01	<0.01	0.13	<0.01	0.044	0.055	0.1	0.015	0.16	<0.01	0.042	
	6/8/2015	8270C	0.021	<0.02	<0.01	<0.01	0.18	<0.01	0.042	0.046	0.12	<0.1	0.14	<0.01	0.048	
	3/16/2015	8270C	0.02	<0.02	<0.01	<0.01	0.19	<0.01	0.045	0.053	0.15	<0.01	0.15	<0.01	0.031	
	11/18/2014	8270C	0.018	<0.02	0.014	<0.01	0.08	<0.01	0.047	0.051	0.14	0.016	0.13	<0.01	0.038	
	9/17/2014	8270C	0.024	<0.02	<0.01	<0.01	0.18	<0.01	0.053	0.062	0.15	0.03	0.18	<0.01	0.031	
MKTF-16	6/16/2014 ¹	8270C	0.011	<0.02	<0.01	<0.01	0.17	<0.01	0.037	0.042	0.22	0.16	0.14	<0.01	0.42	

Semi-Volatile Organic Compound Analytical Result Summary

			Aniline (mg/L)	Benzoic Acid (mg/L)	Bis(2-ethylhexyl) phthalate (mg/L)	Carbazole (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			NE	NE	0.0556	NE	0.354	0.288	NE	NE	NE	NE	0.00165	0.17	5.76	NE
EPA RSL for Tap Water (NOV 2015)			0.013	75	0.0056	NE	0.36	0.29	1.1E-03	0.0036	0.93	0.93	1.7E-04	NE	5.8	0.02
Well ID	DATE SAMPLED	METHOD														
	4/10/2014	8270C	0.015	<0.02	<0.01	<0.01	0.2	<0.01	0.035	0.044	0.16	0.091	0.13	<0.01	0.09	
MKTf-17	11/3/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	8/18/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
	6/8/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
	3/12/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
	11/18/2014	8270C	<0.01	<0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
	9/18/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
	6/16/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	0.039	
	4/9/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	0.024	<0.01	<0.01	
MKTf-18	11/3/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.079	0.017	<0.01	<0.01	0.023	0.017	<0.01	<0.01
	8/18/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	0.011	0.14	0.042	<0.01	<0.01	0.042	0.012	<0.01	
	6/8/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.077	0.013	<0.01	<0.01	0.029	<0.01	<0.01	
	3/17/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.1	0.028	<0.01	<0.01	0.032	<0.01	<0.01	
	11/18/2014	8270C	<0.01	<0.02	0.012	<0.01	<0.02	<0.01	0.11	0.036	<0.01	<0.01	0.055	<0.01	<0.01	
	9/18/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.12	0.023	<0.02	<0.01	0.059	<0.01	<0.01	
	6/6/2014	8270C	<0.014	<0.029	<0.014	<0.014	<0.014	<0.014	0.064	<0.014	<0.029	<0.014	0.026	<0.014	<0.014	
	4/14/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.11	0.035	<0.02	<0.01	0.061	<0.01	<0.01	
MKTf-19	11/3/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.16	0.29	<0.01	<0.01	0.37	<0.01	0.021	
	8/18/2015	8270C	<0.01	<0.02	<0.01	0.01	<0.01	<0.01	0.18	0.3	<0.01	<0.01	0.4	<0.01	<0.01	
	6/8/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.14	0.21	<0.01	<0.01	0.31	<0.01	0.013	
	3/12/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.17	0.27	<0.01	<0.01	0.34	<0.01	0.015	
	11/18/2014	8270C	<0.01	<0.02	0.011	<0.01	<0.01	<0.01	0.11	0.033	<0.01	<0.01	0.054	<0.01	<0.01	
	9/24/2014	8270C	<0.01	<0.02	<0.01	0.01	<0.01	<0.01	0.18	0.29	<0.02	<0.01	0.31	<0.01	0.011	
	4/9/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.16	0.25	<0.02	<0.01	0.32	<0.01	0.012	
MKTf-20	6/8/2015	8270C	<0.01	<0.02	<0.01	<0.01	0.23	<0.01	0.037	0.036	0.049	0.13	0.056	<0.01	0.05	<0.01
	3/16/2015	8270C	<0.01	<0.02	<0.01	<0.01	0.32	<0.01	0.045	0.037	0.21	0.36	0.13	<0.01	0.21	0.016
	11/18/2014	8270C	<0.01	<0.02	0.014	<0.01	0.61	<0.01	0.11	0.066	0.12	0.051	0.1	<0.01	0.037	
	4/11/2014	8270C	0.022	<0.026	<0.013	<0.013	0.13	<0.013	0.088	0.12	0.12	0.076	0.25	<0.013	<0.013	
	6/10/2015	8270C	<0.01	<0.02	<0.01	<0.01	0.011	<0.01	<0.01	<0.01	<0.01	0.11	<0.01	<0.01	0.035	
MKTf-21	3/16/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.069	<0.01	<0.01	0.038	
	4/11/2014	8270C	<0.012	<0.025	<0.012	<0.012	0.1	<0.012	0.069	0.11	0.14	0.1	0.27	<0.012	0.013	
	MKTf-22	11/9/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	0.011	<0.01	0.01
8/20/2015		8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.018	<0.01	<0.01	<0.01	<0.01	<0.01	0.014	
6/9/2015		8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.062	<0.01	<0.01	<0.01	0.013	<0.01	0.018	
3/12/2015		8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.066	<0.01	<0.01	<0.01	0.016	<0.01	0.014	
11/17/2014		8270C	<0.01	<0.02	0.013	<0.01	<0.01	<0.01	0.045	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
4/10/2014		8270C	<0.01	<0.02	<0.01	<0.01	<0.02	<0.01	0.045	<0.01	<0.02	<0.01	0.013	<0.01	<0.01	
MKTf-23	11/9/2015	8270C	<0.01	<0.02	<0.01	<0.01	0.065	0.013	0.17	0.21	0.06	0.054	0.23	0.022	0.036	
	8/21/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.14	0.19	0.061	0.047	0.27	0.016	<0.01	
	6/9/2015	8270C	<0.01	<0.02	<0.01	<0.01	0.12	<0.01	0.11	0.14	0.071	0.064	0.2	<0.01	0.034	
	3/12/2015	8270C	<0.01	<0.02	<0.01	<0.01	0.094	<0.01	0.079	0.082	0.042	0.063	0.15	<0.01	0.021	
	11/17/2014	8270C	<0.01	<0.02	0.014	<0.01	0.031	<0.01	0.084	0.092	0.058	0.053	0.13	<0.01	0.027	
	9/23/2014	8270C	<0.01	<0.02	<0.01	<0.01	0.027	<0.01	0.075	0.079	0.034	0.025	0.13	<0.01	0.022	
	11/4/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MKTf-24	8/20/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/10/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/11/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/14/2014	8270C	<0.01	<0.02	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
	9/24/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
	11/5/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	8/21/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MKTf-25	6/10/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/11/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/14/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.017	<0.01	<0.01	
		8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

Semi-Volatile Organic Compound Analytical Result Summary

[illegible]

8.15.4 MKTF WELLS

Semi-Volatile Organic Compound Analytical Result Summary

			Aniline (mg/L)	Benzoic Acid (mg/L)	Bis(2-ethylhexyl) phthalate (mg/L)	Carbazole (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			NE	NE	0.0556	NE	0.354	0.288	NE	NE	NE	NE	0.00165	0.17	5.76	NE
EPA RSL for Tap Water (NOV 2015)			0.013	75	0.0056	NE	0.36	0.29	1.1E-03	0.0036	0.93	0.93	1.7E-04	NE	5.8	0.02
Well ID	DATE SAMPLED	METHOD														
	4/10/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
MKTF-34	11/3/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	8/18/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/8/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/12/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/17/2014	8270C	<0.01	<0.02	0.014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	9/24/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/9/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.025	<0.01	<0.01	<0.01	<0.01	
MKTF-35	11/3/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	8/18/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/4/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/17/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.028	<0.01	<0.01	
	11/21/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.034	0.045	<0.01	<0.01	0.036	<0.01	<0.01	
MKTF-36	8/18/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	0.012	0.34	0.51	<0.01	<0.01	0.52	<0.01	0.048	
	6/4/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	0.013	0.33	0.51	<0.01	<0.01	0.49	<0.01	0.056	
	3/17/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	0.01	0.24	0.39	<0.01	<0.01	0.47	<0.01	0.044	
	11/21/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.16	0.23	<0.01	<0.01	0.28	<0.01	0.015	
MKTF-37	8/18/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.83	1.4	<0.01	<0.01	1.7	<0.01	<0.01	
	6/4/2015	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.074	0.11	0.028	<0.01	0.23	<0.01	<0.01	
	3/17/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.072	0.096	0.033	<0.01	0.16	<0.01	<0.01	
	11/21/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.05	0.056	<0.01	<0.01	0.27	<0.01	<0.01	
MKTF-38	11/9/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	8/24/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/10/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/16/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/21/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MKTF-39	11/9/2015	8270C	<0.01	<0.02	<0.01	0.021	<0.01	<0.01	0.089	0.032	<0.01	<0.01	0.062	<0.01	<0.01	
	8/23/2015	8270C	<0.01	<0.02	<0.01	0.025	<0.01	<0.01	0.084	0.021	<0.01	<0.01	0.051	<0.01	<0.01	
	6/10/2015	8270C	<0.01	<0.02	<0.01	0.026	<0.01	0.013	0.14	0.043	<0.01	<0.01	0.064	0.014	<0.01	
	3/16/2015	8270C	<0.01	<0.02	<0.01	0.011	<0.01	<0.01	0.056	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	
	11/18/2014	8270C	<0.01	<0.02	0.012	0.021	<0.01	<0.01	0.079	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
MKTF-40	11/4/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	8/21/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/10/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/11/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/21/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MKTF-41	11/5/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	8/21/2015	8270C	<0.014	<0.029	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	
	6/9/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/12/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/18/2014	8270C	<0.01	<0.02	0.014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MKTF-42	11/5/2015	8270C	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	8/21/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/9/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/11/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/18/2014	8270C	<0.01	<0.02	0.013	<0.01	<0.01	<0.01	0.072	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
MKTF-43	11/5/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	8/21/2015	8270C	<0.01	<0.025	<0.01	<0.01	<0.012	<0.01	<0.01	<0.01	<0.012	<0.012	<0.01	<0.01	<0.012	
	6/10/2015	8270C	<0.012	<0.024	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.12	<0.12	<0.012	
	3/11/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/18/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	
MKTF-44	11/9/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	8/17/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	6/10/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/12/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	

8.15.4 MKTF WELLS

Semi-Volatile Organic Compound Analytical Result Summary

	Aniline (mg/L)	Benzoic Acid (mg/L)	Bis(2-ethylhexyl) phthalate (mg/L)	Carbazole (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE
40 CFR 141.62 MCL (NOV 2015)	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)	NE	NE	0.0556	NE	0.354	0.288	NE	NE	NE	NE	0.00165	0.17	5.76	NE
EPA RSL for Tap Water (NOV 2015)	0.013	75	0.0056	NE	0.36	0.29	1.1E-03	0.0036	0.93	0.93	1.7E-04	NE	5.8	0.02
Well ID	DATE SAMPLED	METHOD												
	11/21/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.15-5 MKTF WELLS

Volatile Organic Compounds Analytical Results

			1,2,4- Trimethyl benzene (mg/L)	1,3,5- Trimethyl benzene (mg/L)	1,2-Dichloro ethane (EDC) (mg/L)	Naphtha- lene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	(Methyl ethyl ketone) 2-Butanone (mg/L)	cis-1,2-DCE (mg/L)	1,1-Dichloro ethane (mg/L)	1,1-Dichloro ethene (mg/L)	Isopropyl benzene (mg/L)	4- Isopropyl toluene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)	Tetrachloro ethene (PCE) (mg/L)	1,1,1- Trichloro ethane (mg/L)	1,1,2- Trichloro ethane (mg/L)	Trichloro ethene (TCE) (mg/L)	Vinyl Chloride (mg/L)	Chloro- form (mg/L)	Chloro- methane (mg/L)	1,2-Dibromo ethane (EDB) (mg/L)	Methylene Chloride (mg/L)	1,4-Dichloro benzene (mg/L)		
WQCC 20NMAC 6.2.3103			NE	NE	0.01	NE	NE	NE	NE	NE	0.005	0.025	0.005	NE	NE	NE	NE	NE	NE	0.02	0.06	0.01	NE	0.001	0.1	NE	0.0001	0.1	NE	
40 CFR 141.62 MCL (NOV 2015)			NE	NE	0.005	NE	NE	NE	NE	NE	0.07	NE	0.007	NE	NE	NE	NE	NE	NE	0.005	0.2	0.005	0.005	0.002	0.08	NE	0.00005	0.005	0.05	0.075
NMED Tap Water (JULY 2015)			NE	NE	0.00171	0.00165	NE	NE	14.1	5.56	0.0365	0.0275	0.284	0.447	NE	NE	NE	NE	NE	NE	8.0	0.000415	0.00282	0.000201	0.00229	0.0203	0.0000746	0.106	0.00481	
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	0.017	1.7E-04	1.1E-03	0.0036	14	5.6	3.6E-02	2.8E-03	0.28	NE	NE	1.0	0.66	2.0	0.011	8.0	0.00028	0.00049	0.000019	0.00022	0.19	7.5E-06	0.011	4.8E-04		
Well ID	DATE SAMPLED	METHOD																												
MKTF-1	11/4/2015	82608	0.71	0.054	<0.005	0.091	0.062	0.032	<0.05	<0.05	0.037	0.074	0.046	0.047	<0.005	<0.015	0.1	8.4E-03	<0.005	<0.005	<0.005	<0.005	0.012							
	8/21/2015	82608	0.65	0.057	<0.005	0.081	0.044	<0.02	<0.05	<0.05	0.042	0.065	0.051	0.045	<0.005	0.019	0.13	0.011	<0.005	<0.005	<0.005	<0.005	<0.005							
	6/9/2015	82608	0.67	0.13	<0.05	<0.1	<0.2	<0.2	<0.5	<0.5	<0.05	0.056	<0.05	<0.05	<0.05	<0.15	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05							
	3/11/2015	82608	0.59	0.1	<0.05	<0.1	<0.2	<0.2	<0.5	<0.5	<0.05	0.066	0.058	<0.05	<0.05	<0.15	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05							
	6/6/2014	82608	1.1	0.27	<0.05	0.3	<0.2	<0.2	<0.5	<0.5	<0.05	0.094	<0.05	<0.05	<0.15	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05							
MKTF-2	11/4/2015	82608	8.7E-03	<0.001	4.8E-03	2.4E-03	4.2E-03	<0.004	<0.01	<0.01	0.013	0.066	0.03	9.7E-03	<0.001	<0.003	0.013	1.6E-03	<0.001	1.9E-03	<0.001	3.5E-03	1.9E-03							
	8/21/2015	82608	1.7E-03	<0.001	9.1E-03	3.6E-03	<0.004	<0.004	<0.01	<0.01	0.01	0.062	0.059	7.2E-03	<0.001	<0.003	5.6E-03	1.3E-03	<0.001	<0.001	1.2E-03	5.3E-03	1.3E-03							
	6/9/2015	82608	0.04	<0.001	4.1E-03	6.6E-03	5.8E-03	<0.004	<0.01	<0.01	0.01	0.062	0.054	0.026	9.7E-03	<0.001	3.2E-03	0.029	1.7E-03	<0.001	<0.001	2.5E-03	1.4E-03							
	3/11/2015	82608	5.1E-03	<0.002	4.5E-03	<0.004	<0.008	<0.008	<0.02	<0.02	9.3E-03	0.05	0.031	<0.002	<0.002	<0.006	<0.002	<0.002	<0.002	2.3E-03	<0.002	2.4E-03	<0.002							
	11/14/2014	82608	2.1E-03	<0.001	0.016	<0.002	<0.004	<0.004	<0.01	<0.01	0.011	0.075	0.078	1.6E-03	<0.001	<0.003	1.2E-03	<0.001	<0.001	3.6E-03	2.4E-03	7.1E-03	9.7E-03							
MKTF-4	9/18/2014	82608	0.14	<0.005	5.1E-03	0.017	0.037	<0.02	<0.05	<0.05	0.01	0.098	0.024	0.03	<0.005	<0.015	0.13	6.8E-03	<0.005	<0.005	<0.005	<0.005	<0.005							
	6/6/2014	82608	0.031	1.9E-03	8.1E-03	4.9E-03	<0.004	<0.004	0.012	<0.01	0.011	0.07	0.041	3.1E-03	<0.001	<0.003	0.009	<0.001	<0.001	3.5E-03	1.2E-03	4.1E-03	0.001							
	4/8/2014	82608	3.5E-03	<0.002	6.8E-03	<0.004	<0.008	<0.008	<0.02	<0.02	5.2E-03	0.04	0.014	<0.002	<0.002	<0.006	<0.002	<0.002	<0.002	2.2E-03	<0.002	3.4E-03	<0.002							
	11/3/2015	82608	0.43	0.053	<0.01	0.34	0.21	0.18	<0.1	<0.1	<0.01	<0.1	0.02	0.033	<0.01	<0.03	0.067	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01							
	8/18/2015	82608	0.27	0.026	<0.005	0.24	0.14	0.085	<0.05	<0.05	0.013	7.5E-03	0.016	0.016	<0.005	<0.015	0.021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005							
MKTF-9	6/4/2015	82608	0.27	0.023	<0.01	0.22	0.14	0.086	<0.1	<0.1	<0.01	<0.1	0.022	0.021	<0.01	<0.03	0.037	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01							
	3/16/2015	82608	0.2	0.024	<0.01	0.17	0.096	0.089	<0.1	<0.1	<0.1	0.019	0.032	0.01	<0.01	<0.03	0.021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01							
	11/13/2015	82608	0.2	0.019	<0.01	0.13	0.095	0.08	<0.1	<0.1	0.014	0.037	0.059	0.016	<0.1	<0.03	0.029	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01							
	9/15/2014	82608	0.096	0.012	<0.005	0.092	0.041	0.033	<0.05	<0.05	0.014	0.037	0.074	0.011	<0.005	<0.015	0.019	<0.005	<0.005	<0.005	<0.005	<0.005	5.1E-03	<0.005						
	6/4/2014	82608	0.27	0.049	<0.01	0.31	0.13	0.17	<0.1	<0.1	<0.01	0.011	0.031	0.021	<0.01	<0.03	0.046	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01							
MKTF-10	4/11/2014	82608	0.51	0.094	<0.02	0.43	0.18	0.28	<0.2	<0.2	<0.02	<0.02	0.028	0.028	<0.02	<0.06	0.077	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02							
	11/3/2015	82608	0.073	<0.001	<0.001	0.041	0.081	0.014	<0.01	<0.01	0.03	0.027	0.033	0.019	3.2E-03	0.009	0.038	6.4E-03	<0.001	0.048	<0.001	6.1E-03	<0.001							
	8/18/2015	82608	0.05	<0.005	<0.005	0.029	0.08	<0.02	<0.05	<0.05	0.027	0.026	0.036	0.017	<0.005	<0.015	0.029	5.4E-03	<0.001	0.052	<0.005	5.9E-03	<0.005							
	6/4/2015	82608	0.033	<0.005	<0.005	0.015	0.051	<0.02	<0.05	<0.05	0.03	0.028	0.055	0.015	<0.005	<0.015	0.022	<0.005	<0.005	7.8E-03	0.067	<0.005	7.6E-03	<0.005						
	3/16/2015	82608	0.018	<0.005	<0.005	0.011	0.03	<0.02	<0.05	<0.05	0.036	0.034	0.074	7.4E-03	<0.005	<0.015	0.013	<0.005	<0.005	7.1E-03	0.13	<0.005	0.009	<0.005						
MKTF-11	11/14/2014	82608	0.087	<0.01	<0.01	0.043	0.11	<0.04	<0.1	<0.1	0.024	0.035	0.068	0.014	<0.01	<0.03	0.03	<0.01	<0.01	<0.01	0.096	<0.01	0.011	<0.01						
	9/18/2014	82608	0.038	<0.01	<0.01	0.03	0.042	<0.04	<0.1	<0.1	0.021	0.028	0.065	<0.01	<0.01	<0.03	0.014	<0.01	<0.01	0.11	<0.01	0.11	<0.01	<0.01						
	6/5/2014	82608	0.083	<0.01	<0.1	0.068	0.089	<0.04	<0.1	<0.1	0.014	0.026	0.041	0.017	<0.01	<0.03	0.033	<0.01	<0.01	0.065	<0.01	0.065	<0.01							
	4/14/2014	82608	0.074	<0.005	<0.005	0.044	0.062	<0.02	<0.05	<0.05	0.012	0.024	0.046	0.013	<0.005	<0.015	0.026	<0.005	<0.005	0.072	<0.005	8.9E-03	<0.005							
	11/3/2015	82608	0.85	0.21	<0.05	0.17	<0.2	<0.2	<0.5	<0.5	0.057	0.078	<0.05	<0.05	<0.05	<0.15	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05							
MKTF-12	8/18/2015	82608	0.88	0.22	<0.05	0.23	<0.2	<0.2	0.52	1.6	<0.05	0.067	<0.05	0.054	<0.05	<0.15	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05							
	6/4/2015	82608	0.79	0.21	<0.05	0.19	<0.2	<0.2	<0.5	1.3	<0.05	0.06	<0.05	0.054	<0.05	<0.15	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05							
	3/16/2015	82608	0.96	0.24	<0.05	0.2	<0.2	<0.2	<0.5	<0.5	<0.05	0.078	<0.05	0.051	<0.05	<0.15	0.14	<0.05	<0.05	<0.05	&									

8.15-5 MKTF WELLS

Volatile Organic Compounds Analytical Results

			1,2,4- Trimethyl benzene (mg/L)	1,3,5- Trimethyl benzene (mg/L)	1,2-Dichloro ethane (EDC) (mg/L)	Naphtha- lene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	(Methyl ethyl ketone) 2-Butanone (mg/L)	cis-1,2-DCE (mg/L)	1,1-Dichloro ethane (mg/L)	1,1-Dichloro ethane (mg/L)	Isopropyl benzene (mg/L)	4- Isopropyl toluene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)	Tetrachloro ethane (PCE) (mg/L)	1,1,1- Trichloro ethane (mg/L)	1,1,2- Trichloro ethane (mg/L)	Trichloro ethene (TCE) (mg/L)	Vinyl Chloride (mg/L)	Chloro- form (mg/L)	Chloro- methane (mg/L)	1,2-Dibromo- ethane (EDB) (mg/L)	Methylene chloride (mg/L)	1,4-Dichloro benzene (mg/L)	
WQCC 20NMAC 6.2.3103			NE	NE	0.01	NE	NE	NE	NE	NE	0.005	0.025	0.005	NE	NE	NE	NE	NE	NE	0.02	0.06	0.01	NE	0.001	0.1	NE	0.0001	0.1	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	0.005	NE	NE	NE	NE	NE	0.07	NE	0.007	NE	NE	NE	NE	NE	NE	0.005	0.2	0.005	0.005	0.002	0.08	NE	0.00005	0.005	0.075
NMED Tap Water (JULY 2015)			NE	NE	0.00171	0.00165	NE	NE	14.1	5.56	0.0365	0.0275	0.284	0.447	NE	NE	NE	NE	NE	NE	8.0	0.000415	0.00282	0.000201	0.000229	0.00203	0.0000746	0.106	0.00481
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	0.017	1.7E-04	1.1E-03	0.0036	14	5.56	3.6E-02	2.8E-03	0.28	NE	NE	NE	1.0	0.66	2.0	0.011	8.0	0.000028	0.000049	0.000010	0.000022	0.19	7.5E-06	0.011	4.8E-04
Well ID	DATE SAMPLED	METHOD																											
MKTF-23	8/20/2015	82608	<0.02	<0.02	<0.02	<0.04	<0.08	<0.08	<0.2	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	6/9/2015	82608	0.053	<0.02	<0.02	<0.04	0.08	<0.08	<0.2	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.06	0.033	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	3/12/2015	82608	0.058	<0.02	<0.02	<0.04	0.099	<0.08	<0.2	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.06	0.031	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	11/17/2014	82608	<0.01	<0.01	<0.01	<0.02	0.058	<0.04	<0.1	<0.1	0.01	0.015	<0.01	<0.01	<0.01	<0.03	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/10/2014	82608	0.089	<0.01	<0.01	<0.02	0.048	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	0.015	<0.01	<0.03	0.033	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MKTF-23	11/9/2015	82608	1.4	0.38	<0.02	0.39	0.14	0.21	<0.2	<0.2	0.049	0.11	0.049	0.048	<0.02	<0.06	0.092	<0.02	<0.02	0.027	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	8/21/2015	82608	0.92	0.24	<0.02	0.16	<0.08	<0.08	<0.2	<0.2	0.045	0.13	0.054	0.029	<0.02	<0.06	0.054	<0.02	<0.02	0.031	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	6/9/2015	82608	1.1	0.28	<0.01	0.22	0.079	0.12	<0.1	<0.1	0.042	0.13	0.062	0.41	<0.01	<0.03	0.073	0.01	<0.01	0.034	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	3/12/2015	82608	1.4	0.38	<0.01	0.3	0.097	0.14	<0.1	<0.1	0.055	0.12	0.053	0.044	<0.01	<0.03	0.093	0.01	<0.01	0.049	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/17/2014	82608	0.89	0.22	<0.01	0.15	0.074	0.11	<0.1	<0.1	0.043	0.15	0.064	0.034	<0.01	<0.03	0.066	<0.01	<0.01	0.024	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
MKTF-24	9/23/2014	82608	0.54	0.15	<0.01	0.1	<0.04	0.041	<0.1	<0.1	0.029	0.092	0.047	0.026	<0.01	<0.03	0.058	<0.01	<0.01	0.024	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	11/4/2015	82608	<0.02	<0.02	<0.02	<0.04	<0.08	<0.08	<0.2	<0.2	0.034	0.12	0.046	<0.02	<0.02	<0.06	0.033	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	8/20/2015	82608	<0.02	<0.02	<0.02	<0.04	<0.08	<0.08	<0.2	<0.2	0.028	0.11	0.049	<0.02	<0.02	<0.06	0.028	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
	6/10/2015	82608	<0.005	<0.005	<0.005	8.3E-03	<0.01	<0.02	<0.02	<0.05	<0.05	0.036	0.12	0.058	0.011	<0.005	<0.015	0.016	<0.005	<0.005	0.011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
	3/11/2015	82608	<0.005	<0.005	<0.005	0.007	<0.01	<0.02	<0.02	<0.05	<0.05	0.035	0.1	0.051	0.016	<0.005	<0.015	0.024	<0.005	<0.005	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
MKTF-24	11/14/2014	82608	2.7E-03	<0.001	<0.002	9.6E-03	<0.004	<0.004	<0.01	<0.01	0.039	0.15	0.058	0.018	<0.001	5.8E-03	0.028	0.004	<0.001	4.6E-03	1.1E-03	4.9E-03	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	
	9/24/2014	82608	2.3E-03	<0.002	<0.002	9.8E-03	<0.004	<0.008	<0.008	<0.02	<0.02	0.044	0.14	0.067	0.024	<0.002	8.7E-03	0.039	6.5E-03	<0.002	<0.002	<0.002	0.005	<0.003	<0.001	<0.001	<0.001	<0.001	
	4/8/2014	82608	<0.001	<0.001	<0.001	0.014	<0.002	<0.004	<0.004	<0.01	<0.01	0.057	0.2	0.088	0.02	<0.001	9.1E-03	0.038	0.005	1.9E-03	0.021	1.4E-03	5.2E-03	<0.001	<0.001	<0.001	<0.001	<0.001	
	11/5/2015	82608	5.6E-03	<0.005	<0.005	0.013	<0.01	<0.02	<0.02	<0.05	<0.05	0.049	0.3	0.13	0.049	<0.005	0.016	0.044	8.4E-03	<0.005	0.045	<0.005	0.036	<0.005	<0.005	<0.005	<0.005	<0.005	
	8/21/2015	82608	5.5E-03	<0.005	<0.005	0.012	<0.01	<0.02	<0.02	<0.05	<0.05	0.047	0.32	0.16	0.044	<0.005	<0.015	0.057	8.3E-03	<0.005	0.061	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
MKTF-25	6/10/2015	82608	0.018	<0.005	<0.005	0.011	<0.01	<0.02	<0.02	<0.05	<0.05	0.044	0.28	0.12	0.04	<0.005	<0.015	0.042	6.1E-03	<0.005	0.011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
	3/11/2015	82608	8.6E-03	<0.005	<0.005	0.012	0.018	<0.02	<0.02	<0.05	<0.05	0.055	0.28	0.14	0.037	<0.005	0.016	0.051	7.3E-03	<0.005	0.053	<0.005	0.031	<0.005	<0.005	<0.005	<0.005	<0.005	
	11/14/2014	82608	<0.005	<0.005	<0.005	0.012	<0.01	<0.02	<0.02	<0.05	<0.05	0.044	0.23	0.098	0.04	<0.005	<0.015	0.037	6.6E-03	<0.005	0.023	<0.005	0.027	0.046	<0.001	<0.001	<0.001	<0.001	
	9/23/2014	82608	<0.01	<0.01	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	0.046	0.25	0.1	0.038	<0.01	<0.03	0.041	<0.01	<0.01	0.03	<0.01	0.024	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/8/2014	82608	9.9E-03	0.003	0.01	0.03	<0.008	<0.008	<0.02	<0.02	0.054	0.33	0.15	0.034	<0.002	0.014	0.039	5.8E-03	3.3E-03	0.076	<0.002	0.03	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	
MKTF-26	11/4/2015	82608	<0.005	<0.005	<0.005	0.011	<0.01	<0.02	<0.02	<0.05	<0.05	6.5E-03	0.066	0.048	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
	8/20/2015	82608	<0.005	<0.005	<0.005	0.01	<0.01	<0.02	<0.02	<0.05	<0.05	<0.005	0.07	0.077	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
	6/10/2015	82608	<0.005	<0.005	<0.005	6.4E-03	<0.01	<0.02	<0.02	<0.05	<0.05	6.9E-03	0.064	0.036	<0.005	<0.005	<0.015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
	3/11/2015	82608	<0.005	<0.005	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	0.008	0.049	0.009	<0.005	<0.005	<0.015	<0.005</											

8.15-5 MKTF WELLS

Volatile Organic Compounds Analytical Results

			1,2,4- Trimethyl benzene (mg/L)	1,3,5- Trimethyl benzene (mg/L)	1,2-Dichloro ethane (EDC) (mg/L)	Naphtha- lene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	(Methyl ethyl ketone) 2-Butanone (mg/L)	cis-1,2-DCE (mg/L)	1,1-Dichloro ethane (mg/L)	1,1-Dichloro ethane (mg/L)	Isopropyl benzene (mg/L)	4- Isopropyl toluene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)	Tetrachloro ethane (PCE) (mg/L)	1,1,1- Trichloro ethane (mg/L)	1,1,2- Trichloro ethane (mg/L)	Trichloro ethene (TCE) (mg/L)	Vinyl Chloride (mg/L)	Chloro- form (mg/L)	Chloro- methane (mg/L)	1,2-Dibromo- ethane (EDB) (mg/L)	Methylene Chloride (mg/L)	1,4-Dichloro benzene (mg/L)		
WQCC 20NMAC 6.2.3103			NE	NE	0.01	NE	NE	NE	NE	NE	0.005	0.025	0.005	NE	NE	NE	NE	NE	0.02	0.06	0.01	NE	0.001	0.1	NE	0.0001	0.1	NE		
40 CFR 141.62 MCL (NOV 2015)			NE	NE	0.005	NE	NE	NE	NE	NE	0.07	NE	0.007	NE	NE	NE	NE	NE	0.005	0.2	0.005	0.005	0.002	0.08	NE	0.00005	0.005	0.075		
NMED Tap Water (JULY 2015)			NE	NE	0.00171	0.00165	NE	NE	14.1	5.56	0.0365	0.0275	0.284	0.447	NE	NE	NE	NE	NE	8.0	0.000415	0.00282	0.000201	0.000229	0.0203	0.0000746	0.106	0.00481		
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	0.017	1.7E-04	1.1E-03	0.0036	14	5.6	3.6E-02	2.8E-03	0.28	NE	NE	1.0	0.66	2.0	0.011	8.0	0.00028	0.00049	0.000019	0.00022	0.19	7.5E-06	0.011	4.8E-04		
Well ID	DATE SAMPLED	METHOD																												
MKTF-36	6/4/2015	82608	9.5E-03	2.3E-03	<0.001	3.9E-03	4.2E-03	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001	8.4E-03	<0.001	<0.003	0.022	1.7E-03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	3/17/2015	82608	0.034	0.046	<0.001	0.036	7.7E-03	6.3E-03	<0.01	<0.01	<0.001	<0.001	<0.001	8.2E-03	<0.001	<0.003	0.035	1.8E-03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	11/21/2014	82608	0.12	0.05	<0.001	0.04	0.038	0.059	<0.01	<0.01	<0.001	<0.001	<0.001	5.1E-03	<0.001	6.1E-03	0.028	2.7E-03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	8/18/2015	82608	0.032	<0.01	<0.01	0.82	0.38	0.65	<0.1	<0.1	<0.01	<0.01	<0.01	0.033	<0.01	<0.03	0.073	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						
	6/4/2015	82608	0.065	<0.02	<0.02	0.58	0.34	0.58	<0.2	<0.2	<0.02	<0.02	<0.02	0.044	<0.02	<0.06	0.091	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02						
MKTF-37	3/17/2015	82608	0.031	<0.01	<0.01	0.43	0.26	0.51	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.03	0.081	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						
	11/21/2014	82608	0.27	0.062	<0.01	0.59	0.34	0.53	<0.1	<0.1	<0.1	<0.1	<0.1	0.041	<0.1	<0.03	0.099	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01						
	8/18/2015	82608	0.88	0.27	0.013	1.5	0.15	0.3	<0.1	<0.1	<0.01	0.018	0.1	0.2	0.017	0.11	0.18	0.035	<0.01	0.013	<0.01	0.27	<0.01			<0.01				
	6/4/2015	82608	0.95	0.33	0.011	0.72	0.15	0.27	<0.01	<0.1	<0.01	0.015	0.1	0.15	0.021	0.14	0.19	0.045	<0.01	0.019	<0.01	0.17	<0.01			<0.01				
	3/17/2015	82608	0.24	0.11	0.009	0.088	0.03	0.038	<0.01	<0.01	<0.001	0.018	0.081	0.047	4.5E-03	0.02	0.056	7.3E-03	<0.001	8.7E-03	2.2E-03	0.12	<0.001			<0.001				
MKTF-37	11/21/2014	82608	0.51	0.14	0.017	0.35	0.047	0.084	<0.01	<0.01	<0.001	0.034	0.21	0.078	4.8E-03	0.026	0.082	0.011	<0.001	<0.001	1.7E-03	0.3	<0.001			0.0015 ¹				
MKTF-38	11/9/2015	82608	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	8/24/2015	82608	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	6/10/2015	82608	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	3/16/2015	82608	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	11/21/2014	82608	4.6E-03	1.5E-03	<0.001	5.5E-03	8.8E-03	9.8E-03	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	1.4E-03	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	1.1E-03	<0.001					
MKTF-39	11/9/2015	82608	0.085	<0.001	<0.001	0.11	0.18	0.063	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	0.024	8.4E-03	6.6E-03	0.027	0.012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.003		
	8/23/2015	82608	0.098	<0.001	<0.001	0.1	0.11	0.04	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	0.02	7.3E-03	3.8E-03	0.023	9.7E-03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.003		
	6/10/2015	82608	0.12	<0.002	<0.002	0.096	0.13	0.066	<0.02	<0.02	<0.002	<0.002	<0.002	<0.002	0.02	8.1E-03	7.1E-03	0.028	1.2E-02	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.006		
	3/16/2015	82608	0.064	<0.002	<0.002	0.044	0.091	0.013	<0.02	<0.02	<0.002	<0.002	<0.002	<0.002	0.011	5.2E-03	<0.006	0.014	5.7E-03	<0.002	<0.002	<0.002	<0.002	<0.002	2.2E-03 ¹			6.3E-03 ¹		
	11/18/2014	82608	0.043	<0.005	<0.005	0.12	0.17	0.13	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	0.015	<0.005	<0.015	0.019	5.5E-03	<0.005	<0.005	<0.005	<0.005	<0.005						
MKTF-40	11/4/2015	82608	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	8/21/2015	82608	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	6/10/2015	82608	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	3/11/2015	82608	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	11/21/2014	82608	<0.001	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001					
MKTF-41	11/5/2015	82608	<0.001	<0.001	0.0023	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	3.1E-03	3.8E-03	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001					
	8/21/2015	82608	<0.001	<0.001	0.0013	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	0.0018	0.0021	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	6/9/2015	82608	<0.001	<0.001	1.3E-03	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	1.7E-03	1.9E-03	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	3/12/2015	82608	<0.001	<0.001	1.3E-03	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	1.8E-03	1.6E-03	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001						
	11/18/2014	82608	<0.001	<0.001	0.002	<0.002	<0.004	<0.004	<0.01	<0.01	<0.001	3.6E-03	3.8E-03	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001					
MKTF-42	11/5/2015	82608	8.3E-03	0.005	1.1E-03	0.032	0.028	0.013	0.014	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001.						

8.16 EVAPORATION PONDS (EP-1 thru EP-12B)

BTEX and General Chemistry Analytical Result Summary

			PARAMETERS										
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (µS/cm)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE	4.0	NE	10.0	10	NE	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143	1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014	0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD											
EP-1	11/12/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	24	4200	<10	<1.0	5800	17000
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	18	1500	<1.0	<1.0	2100	7600
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	21	1300	<2.0	<2.0	2000	6900
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	20	1000	<1.0	<1.0	1200	6200
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	72	570	<2.0	<2.0	980	5500
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	34	3400	<0.5	<0.5	1300	8800
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	240	3000	<10	<10	1200	12000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	590	200	<1.0	3.2	980	6200
	11/16/2010	8260B	<0.001	<0.001	<0.001	7.8E-03	<0.0015	350	140	4.8	4.8	1000	4300
	8/2/2010	8260B	<0.001	7.7E-03	<0.001	<0.0015	<0.001	99	310	<4.0	<4.0	870	3700
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	340	330	<1.0	<1.0	1500	5400
EP-2	9/1/2015	8260B	0.01	0.022	<0.01	<0.015	<0.01	<1.0	2900	<1.0	<1.0	960	14000
	3/24/2015	8260B	<0.1	<0.01	<0.01	<0.015	<0.01	35	1700	<1.0	<1.0	1200	8200
	11/12/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	40	2400	<10	<1.0	1300	8900
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	37	1900	<1.0	<1.0	680	7600
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	70	1100	<2.0	<2.0	680	6500
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	42	310	<1.0	<1.0	1700	6000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	84	290	<2.0	<2.0	820	6900
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	55	6600	<2.0	<0.5	1300	20000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	46	2700	<20	<20	1700	15000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	65	3700	<20	<20	990	18000
	11/16/2010	8260B	<0.001	0.003	1.9E-03	0.015	<0.0015	41	3500	<10	<10	970	14000
	8/2/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	43	1600	<4.0	<4.0	970	6400
	4/20/2010	8260B	<0.001	1.3E-03	<0.001	4.3E-03	<0.001	170	1100	<2.0	<0.5	1200	5800
EP-3	9/1/2015	8260B	0.011	0.019	<0.01	<0.015	<0.01	23	5300	<1.0	<1.0	650	19000
	3/24/2015	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	17	4000	<1.0	<1.0	900	20000
	11/12/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	34	4000	<10	<1.0	1300	12000
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	23	3700	<1.0	<1.0	670	12000
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	39	5200	<4.0	<4.0	730	18000
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	21	6500	<10	<1.0	1400	29000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	77	2000	<2.0	<2.0	1200	12000
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	22	9500	<4.0	<4.0	1400	27000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.01	<0.01	43	6400	<20	<20	1600	17000

8.16 EVAPORATION PONDS (EP-1 thru EP-12B)

BTEX and General Chemistry Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (µS/cm)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE	4.0	NE	10.0	10	NE	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143	1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014	0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD											
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	54	3700	<5.0	<1.0	1100	19000
	11/16/2010	8260B	<0.001	1.2E-03	<0.001	5.7E-03	<0.0015	11	5100	<200	<200	1000	16000
	8/2/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	41	2800	<10	<10	1100	9000
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	63	8400	<40	<40	1100	32000
EP-4	9/1/2015	8260B	0.011	0.021	<0.01	<0.015	<0.01	24	5300	<10	<1.0	690	19000
	3/24/2015	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	20	7200	<10	<1.0	1700	29000
	11/12/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	33	4200	<10	<1.0	1300	13000
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	18	4300	<1.0	<1.0	650	14000
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	33	6000	<4.0	<4.0	830	20000
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	19	7700	<10	<1.0	1500	32000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	46	4000	<10	<10	980	19000
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	20	6500	<2.0	<0.5	1400	22000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	39	4300	<20	<20	1600	18000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	35	5300	<5.0	<1.0	1100	24000
	11/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015	22	4500	<20	<20	1100	18000
	8/2/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	35	2500	<10	<10	1100	8700
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	67	8000	<40	<40	1000	26000
EP-5	9/1/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	20	8500	<10	<1.0	1600	32000
	3/24/2015	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	17	7500	<10	<1.0	1600	31000
	11/12/2014	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	27	13000	<10	<1.0	2100	44000
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	12	5200	<1.0	<1.0	740	16000
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	29	6500	<4.0	<4.0	950	21000
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	17	8400	<10	<1.0	1400	32000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	16	5600	<50	<2.0	870	23000
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	21	6100	<4.0	<4.0	1300	22000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	26	4300	<20	<20	1600	21000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	27	6700	<5.0	<1.0	1200	26000
	11/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	<0.001	20	4200	<20	<20	1200	18000
	8/2/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	39	4800	<10	<10	1300	20000
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	53	12000	<40	<40	1100	40000
EP-6	9/1/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	21	11000	<10	<1.0	2000	39000
	3/25/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	15	7900	<10	<10	1700	30000
	11/12/2014	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	26	15000	<10	<1.0	2200	48000
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	18	6900	<1.0	<1.0	1500	23000
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	17	11000	<10	<10	2200	38000

8.16 EVAPORATION PONDS (EP-1 thru EP-12B)

BTEX and General Chemistry Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (µS/cm)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE	4.0	NE	10.0	10	NE	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143	1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014	0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD											
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	15	11000	<10	<1.0	1900	41000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	21	11000	<0.5	<2.0	2500	42000
	5/29/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	20	8800	<4.0	<4.0	2100	27000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	24	6900	<20	<20	2300	26000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	18	6500	<20	<20	1300	23000
	11/16/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	25	6300	<20	<20	1500	21000
	8/2/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	21	7400	<40	<40	1500	27000
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	29	4000	<2.0	<2.0	1100	8400
EP-7	9/1/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	27	59000	<10	<1.0	12000	180000
	3/25/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	25	50000	<40	<40	11000	140000
	11/12/2014	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	44	61000	<40	<40	12000	160000
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	28	41000	<10	<1.0	8500	130000
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	24	52000	<40	<40	11000	170000
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	28	55000	<10	<1.0	11000	190000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	37	81000	<500	<2.0	15000	210000
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	24	50000	<20	<20	9500	150000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	22	46000	<40	<40	8100	120000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	27	28000	<100	<100	8400	120000
	11/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015	35	35000	<200	<200	8400	84000
	8/2/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	18	62000	<200	<200	11000	180000
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	16	27000	<200	<50	6900	150000
EP-8	9/1/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	27	64000	<10	<1.0	13000	180000
	3/25/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.1	27	65000	<40	<40	14000	130000
	11/12/2014	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	41	61000	<40	<40	11000	170000
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	27	39000	<10	<1.0	7900	130000
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	33	110000	<40	<40	18000	370000
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	29	47000	<10	<1.0	8600	170000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	71	250000	<500	<500	31000	550000
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	33	67000	<20	<20	9700	180000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	27	27000	<20	<20	3600	66000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	43	170000	<100	<100	18000	370000
	11/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015	44	81000	<200	<200	12000	190000
	8/2/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	43	110000	<100	<100	22000	300000
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	46	49000	<200	<200	6900	150000
EP-9	9/1/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	20	59000	<20	<1.0	7200	180000

8.16 EVAPORATION PONDS (EP-1 thru EP-12B)

BTEX and General Chemistry Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (µS/cm)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE	4.0	NE	10.0	10	NE	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143	1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014	0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD											
	3/25/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	22	30000	<20	<20	4500	110000
	11/13/2014	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	22	98000	<100	<100	12000	300000
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	18	56000	<10	8.1	7800	160000
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	15	55000	<40	<40	8100	180000
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	19	62000	<10	3.0	8400	200000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	13	46000	<40	<40	6400	150000
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	21	63000	<20	<20	7500	160000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	20	76000	<100	<100	9400	210000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	19	57000	<200	<200	7100	190000
	11/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015	21	76000	<200	<200	8700	200000
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	20	38000	<200	<200	5000	120000
EP-11	9/1/2015	8260B	<0.0051	<0.01	<0.01	<0.015	<0.01	25	66000	<10	<1.0	13000	170000
	3/25/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	34	38000	<40	<40	8200	130000
	11/12/2014	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	32	63000	<40	<40	17000	180000
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	22	10000	<10	<1.0	4300	36000
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	22	11000	<10	<10	4500	81000
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	23	8900	<10	<1.0	4000	39000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	40	3500	<2.0	<2.0	1300	18000
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	22	8200	<4.0	<4.0	3700	30000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	29	5700	<20	<20	1800	19000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	23	16000	<40	<40	3900	62000
	11/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015	28	14000	<40	<40	3300	47000
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	18	17000	<100	<100	4400	62000
EP-12A	9/1/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	31	4900	<10	<1.0	1700	20000
	3/25/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	20	2500	<2.0	<2.0	1000	13000
	11/12/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	43	3000	2.5	2.5	1600	12000
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	34	1800	<1.0	<1.0	1100	8000
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	43	1900	<2.0	<2.0	1300	8600
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	29	3800	<1.0	<1.0	1700	17000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	35	4000	<2.0	<2.0	1400	19000
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	23	7600	<4.0	<4.0	2300	25000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	36	5400	<20	<20	1500	18000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	28	6400	<5.0	<1.0	1400	26000
	11/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015	21	11000	<40	<40	3100	39000
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	29	6400	<20	<20	1300	20000

8.16 EVAPORATION PONDS (EP-1 thru EP-12B)

BTEX and General Chemistry Analytical Result Summary

			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (µS/cm)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE	4.0	NE	10.0	10	NE	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143	1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014	0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD											
EP-12B	9/1/2015	8260B	9.9E-03	0.021	<0.01	<0.015	<0.01	51	3200	<10	<1.0	900	15000
	3/25/2015	8260B	<0.005	<0.01	<0.01	<0.015	<0.01	11	2800	<2.0	<2.0	980	13000
	11/12/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	38	1900	<2.0	<2.0	1200	7600
	3/5/2014	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	38	1800	<1.0	<1.0	710	7800
	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	14	1300	<2.0	<2.0	770	6800
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	32	3100	<1.0	<1.0	1500	14000
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	71	1900	<2.0	<2.0	1100	12000
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	19	7000	<4.0	<10	1500	25000
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	39	3600	<20	<20	1500	18000
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01	37	4800	<5.0	<1.0	1100	22000
	11/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015	22	6100	<20	<20	1700	22000
	4/20/2010	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001	80	5000	<5.0	<5.0	950	9400

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)

General Chemistry Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (µS/cm)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	1.0	10	NE	NE
NMED Tap Water (DEC 2014)			1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD						
EP-1	11/12/2014	300.0	24	4200	<10	<1.0	5800	17000
	3/5/2014	300.0	18	1500	<1.0	<1.0	2100	7600
	10/15/2013	300.0	21	1300	<2.0	<2.0	2000	6900
	5/28/2013	300.0	20	1000	<1.0	<1.0	1200	6200
	11/6/2012	300.0	72	570	<2.0	<2.0	980	5500
	5/29/2012	300.0	34	3400	<0.5	<0.5	1300	8800
	11/1/2011	300.0	240	3000	<10	<10	1200	12000
	5/23/2011	300.0	590	200	<1.0	3.2	980	6200
	11/16/2010	300.0	350	140	4.8	4.8	1000	4300
	8/2/2010	300.0	99	310	<4.0	<4.0	870	3700
	4/20/2010	300.0	340	330	<1.0	<1.0	1500	5400
EP-2	9/1/2015	300.0	<1.0	2900	<1.0	<1.0	960	14000
	3/24/2015	300.0	35	1700	<1.0	<1.0	1200	8200
	11/12/2014	300.0	40	2400	<10	<1.0	1300	8900
	3/5/2014	300.0	37	1900	<1.0	<1.0	680	7600
	10/15/2013	300.0	70	1100	<2.0	<2.0	680	6500
	5/28/2013	300.0	42	310	<1.0	<1.0	1700	6000
	11/6/2012	300.0	84	290	<2.0	<2.0	820	6900
	5/29/2012	300.0	55	6600	<2.0	<0.5	1300	20000
	11/1/2011	300.0	46	2700	<20	<20	1700	15000
	5/23/2011	300.0	65	3700	<20	<20	990	18000
	11/16/2010	300.0	41	3500	<10	<10	970	14000
	8/2/2010	300.0	43	1600	<4.0	<4.0	970	6400
	4/20/2010	300.0	170	1100	<2.0	<0.5	1200	5800
EP-3	9/1/2015	300.0	23	5300	<1.0	<1.0	650	19000

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)

General Chemistry Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (μS/cm)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	1.0	10	NE	NE
NMED Tap Water (DEC 2014)			1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD						
	3/24/2015	300.0	17	4000	<1.0	<1.0	900	20000
	11/12/2014	300.0	34	4000	<10	<1.0	1300	12000
	3/5/2014	300.0	23	3700	<1.0	<1.0	670	12000
	10/15/2013	300.0	39	5200	<4.0	<4.0	730	18000
	5/28/2013	300.0	21	6500	<10	<1.0	1400	29000
	11/6/2012	300.0	77	2000	<2.0	<2.0	1200	12000
	5/29/2012	300.0	22	9500	<4.0	<4.0	1400	27000
	11/1/2011	300.0	43	6400	<20	<20	1600	17000
	5/23/2011	300.0	54	3700	<5.0	<1.0	1100	19000
	11/16/2010	300.0	11	5100	<200	<200	1000	16000
	8/2/2010	300.0	41	2800	<10	<10	1100	9000
	4/20/2010	300.0	63	8400	<40	<40	1100	32000
EP-4	9/1/2015	300.0	24	5300	<10	<1.0	690	19000
	3/24/2015	300.0	20	7200	<10	<1.0	1700	29000
	11/12/2014	300.0	33	4200	<10	<1.0	1300	13000
	3/5/2014	300.0	18	4300	<1.0	<1.0	650	14000
	10/15/2013	300.0	33	6000	<4.0	<4.0	830	20000
	5/28/2013	300.0	19	7700	<10	<1.0	1500	32000
	11/6/2012	300.0	46	4000	<10	<10	980	19000
	5/29/2012	300.0	20	6500	<2.0	<0.5	1400	22000
	11/1/2011	300.0	39	4300	<20	<20	1600	18000
	5/23/2011	300.0	35	5300	<5.0	<1.0	1100	24000
	11/16/2010	300.0	22	4500	<20	<20	1100	18000
	8/2/2010	300.0	35	2500	<10	<10	1100	8700
	4/20/2010	300.0	67	8000	<40	<40	1000	26000

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)

General Chemistry Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (μS/cm)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	1.0	10	NE	NE
NMED Tap Water (DEC 2014)			1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD						
EP-5	9/1/2015	300.0	20	8500	<10	<1.0	1600	32000
	3/24/2015	300.0	17	7500	<10	<1.0	1600	31000
	11/12/2014	300.0	27	13000	<10	<1.0	2100	44000
	3/5/2014	300.0	12	5200	<1.0	<1.0	740	16000
	10/15/2013	300.0	29	6500	<4.0	<4.0	950	21000
	5/28/2013	300.0	17	8400	<10	<1.0	1400	32000
	11/6/2012	300.0	16	5600	<50	<2.0	870	23000
	5/29/2012	300.0	21	6100	<4.0	<4.0	1300	22000
	11/1/2011	300.0	26	4300	<20	<20	1600	21000
	5/23/2011	300.0	27	6700	<5.0	<1.0	1200	26000
	11/16/2010	300.0	20	4200	<20	<20	1200	18000
	8/2/2010	300.0	39	4800	<10	<10	1300	20000
	4/20/2010	300.0	53	12000	<40	<40	1100	40000
EP-6	9/1/2015	300.0	21	11000	<10	<1.0	2000	39000
	3/25/2015	300.0	15	7900	<10	<10	1700	30000
	11/12/2014	300.0	26	15000	<10	<1.0	2200	48000
	3/5/2014	300.0	18	6900	<1.0	<1.0	1500	23000
	10/15/2013	300.0	17	11000	<10	<10	2200	38000
	5/28/2013	300.0	15	11000	<10	<1.0	1900	41000
	11/6/2012	300.0	21	11000	<0.5	<2.0	2500	42000
	5/29/2012	300.0	20	8800	<4.0	<4.0	2100	27000
	11/1/2011	300.0	24	6900	<20	<20	2300	26000
	5/23/2011	300.0	18	6500	<20	<20	1300	23000
	11/16/2010	300.0	25	6300	<20	<20	1500	21000
	8/2/2010	300.0	21	7400	<40	<40	1500	27000

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)

General Chemistry Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (µS/cm)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	1.0	10	NE	NE
NMED Tap Water (DEC 2014)			1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD						
EP-7	4/20/2010	300.0	29	4000	<2.0	<2.0	1100	8400
	9/1/2015	300.0	27	59000	<10	<1.0	12000	180000
	3/25/2015	300.0	25	50000	<40	<40	11000	140000
	11/12/2014	300.0	44	61000	<40	<40	12000	160000
	3/8/2014	300.0	28	41000	<10	<1.0	8500	130000
	10/15/2013	300.0	24	52000	<40	<40	11000	170000
	5/28/2013	300.0	28	55000	<10	<1.0	11000	190000
	11/6/2012	300.0	37	81000	<500	<2.0	15000	210000
	5/29/2011	300.0	24	50000	<20	<20	9500	150000
	11/1/2011	300.0	22	46000	<40	<40	8100	120000
	5/23/2011	300.0	27	28000	<100	<100	8400	120000
	11/16/2010	300.0	35	35000	<200	<200	8400	84000
	8/2/2010	300.0	18	62000	<200	<200	11000	180000
	4/20/2010	300.0	16	27000	<200	<50	6900	150000
EP-8	9/1/2015	300.0	27	64000	<10	<1.0	13000	180000
	3/25/2015	300.0	27	65000	<40	<40	14000	130000
	11/12/2014	300.0	41	61000	<40	<40	11000	170000
	3/5/2014	300.0	27	39000	<10	<1.0	7900	130000
	10/15/2013	300.0	33	110000	<40	<40	18000	370000
	5/28/2013	300.0	29	47000	<10	<1.0	8600	170000
	11/6/2012	300.0	71	250000	<500	<500	31000	550000
	5/29/2012	300.0	33	67000	<20	<20	9700	180000
	11/1/2011	300.0	27	27000	<20	<20	3600	66000
	5/23/2011	300.0	43	170000	<100	<100	18000	370000
	11/16/2010	300.0	44	81000	<200	<200	12000	190000

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)

General Chemistry Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (μS/cm)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	1.0	10	NE	NE
NMED Tap Water (DEC 2014)			1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD						
EP-9 ²	8/2/2010	300.0	43	110000	<100	<100	22000	300000
	4/20/2010	300.0	46	49000	<200	<200	6900	150000
	9/1/2015	300.0	20	59000	<20	<1.0	7200	180000
	3/25/2015	300.0	22	30000	<20	<20	4500	110000
	11/13/2014	300.0	22	98000	<100	<100	12000	300000
	3/5/2014	300.0	18	56000	<10	8.1	7800	160000
	10/15/2013	300.0	15	55000	<40	<40	8100	180000
	5/28/2013	300.0	19	62000	<10	3.0	8400	200000
	11/6/2012	300.0	13	46000	<40	<40	6400	150000
	5/29/2012	300.0	21	63000	<20	<20	7500	160000
	11/1/2011	300.0	20	76000	<100	<100	9400	210000
	5/23/2011	300.0	19	57000	<200	<200	7100	190000
	11/16/2010	300.0	21	76000	<200	<200	8700	200000
	4/20/2010	300.0	20	38000	<200	<200	5000	120000
EP-11 ²	9/1/2015	300.0	25	66000	<10	<1.0	13000	170000
	3/25/2015	300.0	34	38000	<40	<40	8200	130000
	11/12/2014	300.0	32	63000	<40	<40	17000	180000
	3/5/2014	300.0	22	10000	<10	<1.0	4300	36000
	10/15/2013	300.0	22	11000	<10	<10	4500	81000
	5/28/2013	300.0	23	8900	<10	<1.0	4000	39000
	11/6/2012	300.0	40	3500	<2.0	<2.0	1300	18000
	5/29/2012	300.0	22	8200	<4.0	<4.0	3700	30000
	11/1/2011	300.0	29	5700	<20	<20	1800	19000
	5/23/2011	300.0	23	16000	<40	<40	3900	62000
	11/16/2010	300.0	28	14000	<40	<40	3300	47000

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)

General Chemistry Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (μS/cm)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	1.0	10	NE	NE
NMED Tap Water (DEC 2014)			1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD						
	4/20/2010	300.0	18	17000	<100	<100	4400	62000
EP-12A ²	9/1/2015	300.0	31	4900	<10	<1.0	1700	20000
	3/25/2015	300.0	20	2500	<2.0	<2.0	1000	13000
	11/12/2014	300.0	43	3000	2.5	2.5	1600	12000
	3/5/2014	300.0	34	1800	<1.0	<1.0	1100	8000
	10/15/2013	300.0	43	1900	<2.0	<2.0	1300	8600
	5/28/2013	300.0	29	3800	<1.0	<1.0	1700	17000
	11/6/2012	300.0	35	4000	<2.0	<2.0	1400	19000
	5/29/2012	300.0	23	7600	<4.0	<4.0	2300	25000
	11/1/2011	300.0	36	5400	<20	<20	1500	18000
	5/23/2011	300.0	28	6400	<5.0	<1.0	1400	26000
	11/16/2010	300.0	21	11000	<40	<40	3100	39000
	4/20/2010	300.0	29	6400	<20	<20	1300	20000
EP-12B ²	9/1/2015	300.0	51	3200	<10	<1.0	900	15000
	3/25/2015	300.0	11	2800	<2.0	<2.0	980	13000
	11/12/2014	300.0	38	1900	<2.0	<2.0	1200	7600
	3/5/2014	300.0	38	1800	<1.0	<1.0	710	7800
	10/15/2013	300.0	14	1300	<2.0	<2.0	770	6800
	5/28/2013	300.0	32	3100	<1.0	<1.0	1500	14000
	11/6/2012	300.0	71	1900	<2.0	<2.0	1100	12000
	5/29/2012	300.0	19	7000	<4.0	<10	1500	25000
	11/1/2011	300.0	39	3600	<20	<20	1500	18000
	5/23/2011	300.0	37	4800	<5.0	<1.0	1100	22000
	11/16/2010	300.0	22	6100	<20	<20	1700	22000
	4/20/2010	300.0	80	5000	<5.0	<5.0	950	9400

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)

General Chemistry Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Specific Conductance (μ S/cm)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	10	600.0	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	1.0	10	NE	NE
NMED Tap Water (DEC 2014)			1.2	NE	1.97	31.6	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	2	32	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD						

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (Dec 2014)

NOTES

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			BOD (mg/L)	COD (mg/L)	E-Coli (CFU/100ml)	Total Coliform (CFU/100ml)
WQCC 20NMAC 6.2.3103			<30 ¹	<125 ¹	< 500 organisms per 100 ml	
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			NE	NE		
EPA RSL for Tap Water (NOV 2015)			NE	NE	MCL ⁶	
SAMPLE ID	DATE SAMPLED	METHOD				
EP-1	11/12/2014	SM5210B/E410.4/SM9223B	240	1700	ND	
	3/5/2014	SM5210B/E410.4/SM9223B	55	560	<10	
	10/16/2013	SM5210B/E410.4/SM9223B	<33.3	560	20	NL
	5/29/2013	SM5210B/E410.4/SM9223B	75	310	10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	520	1100	10462	NL
	5/30/2012	SM5210B/E410.4/SM9223B	340	990	>24196	NL
	11/2/2011	SM5210B/9223B	960	2250	>2419.6	NL
	5/24/2011	SM5210B/9223B	440	1340	1986.3	NL
	11/17/2010	SM9223B/3014	1400	3200	<10	NL
	8/2-3/2010	SM5210B/E410.4/3014	290	346	>2419.6	NL
4/21/2010	SM5210B/E410.4/3014	1080	2210	>2419.6	>2419.6	
EP-2	9/2/2015	SM5210B/E410.4/SM9223B	460	775	5475	
	3/26/2015	SM5210B/E410.4/SM9223B	330	610	>24196	
	11/12/2014	SM5210B/E410.4/SM9223B	170	580	>24196	
	3/5/2014	SM5210B/E410.4/SM9223B	450	1000	>2419.6	
	10/16/2013	SM5210B/E410.4/SM9223B	420	1100	3282	NL
	5/29/2013	SM5210B/E410.4/SM9223B	210	700	31	NL
	11/7/2012	SM5210B/E410.4/SM9223B	750	1300	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	100	860	4106	
	11/2/2011	SM5210B/9223B	530	1560	>2419.6	NL
	5/24/2011	SM5210B/9223B	230	737	648.8	NL
	11/17/2010	SM9223B/3014	550	1020	1553.1	NL
	8/2-3/2010	SM5210B/E410.4/3014	64	172	>2419.6	NL
	4/21/2010	SM5210B/E410.4/3014	1100	2060	>2419.6	>2419.6
EP-3	9/2/2015	SM5210B/E410.4/SM9223B	120	725	1076	
	3/26/2015	SM5210B/E410.4/SM9223B	230	977	24196	
	11/12/2014	SM5210B/E410.4/SM9223B	120	590	408	
	3/5/2014	SM5210B/E410.4/SM9223B	440	990	122	
	10/16/2013	SM5210B/E410.4/SM9223B	320	870	121	NL
	5/29/2013	SM5210B/E410.4/SM9223B	120	1600	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	390	900	10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	69	980	10	NL
	11/2/2011	SM5210B/9223B	140	608	>2419.6	NL
	5/24/2011	SM5210B/9223B	190	574	1.0	NL
	11/17/2010	SM9223B/3014	120	560	40.8	NL
	8/2-3/2010	SM5210B/E410.4/3014	36	238	>2419.6	NL
	4/21/2010	SM5210B/E410.4/3014	200	771	100.6	>2419.6
EP-4	9/2/2015	SM5210B/E410.4/SM9223B	110	909	880	
	3/26/2015	SM5210B/E410.4/SM9223B	110	730	5475	
	11/12/2014	SM5210B/E410.4/SM9223B	120	670	63	
	3/5/2014	SM5210B/E410.4/SM9223B	500	1000	1	
	10/16/2013	SM5210B/E410.4/SM9223B	270	840	31	NL
	5/29/2013	SM5210B/E410.4/SM9223B	96	700	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	230	880	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	59	680	<10	NL
	11/2/2011	SM5210B/9223B	62	478	547.5	NL
	5/24/2011	SM5210B/9223B	190	639	4.1	NL
	11/17/2020	SM9223B/3014	140	440	12	NL
	8/2-3/2010	SM5210B/E410.4/3014	35	204	>2419.6	NL

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			BOD (mg/L)	COD (mg/L)	E-Coli (CFU/100ml)	Total Coliform (CFU/100ml)
WQCC 20NMAC 6.2.3103			<30 ¹	<125 ¹	< 500 organisms per 100 ml	
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			NE	NE		
EPA RSL for Tap Water (NOV 2015)			NE	NE	MCL ⁶	
SAMPLE ID	DATE SAMPLED	METHOD				
	4/21/2010	SM5210B/E410.4/3014	281	683	<1.0	>2419.6
EP-5	9/2/2015	SM5210B/E410.4/SM9223B	17	979	1515	
	3/26/2015	SM5210B/E410.4/SM9223B	47	860	135	
	11/12/2014	SM5210B/E410.4/SM9223B	<20.55	660	<1	
	3/5/2014	SM5210B/E410.4/SM9223B	>69.15	1000	<1	
	10/16/2013	SM5210B/E410.4/SM9223B	220	720	31	NL
	5/29/2013	SM5210B/E410.4/SM9223B	66	600	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	150	1000	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	35	760	10	NL
	11/2/2011	SM5210B/9223B	29	302	5.2	NL
	5/24/2011	SM5210B/9223B	150	413	1.0	NL
	11/17/2010	SM9223B/3014	76	320	4.1	NL
	8/2-3/2010	SM5210B/E410.4/3014	40	208	1960.8	NL
	4/21/2010	SM5210B/E410.4/3014	123	782	2.0	>2419.6
EP-6	9/2/2015	SM5210B/E410.4/SM9223B	8	1700	341	
	3/26/2015	SM5210B/E410.4/SM9223B	47	978	63	
	11/12/2014	SM5210B/E410.4/SM9223B	<15.30	810	<1	
	3/5/2014	SM5210B/E410.4/SM9223B	>171.97	600	<10	NL
	10/16/2013	SM5210B/E410.4/SM9223B	<25.5	940	<10	NL
	5/29/2013	SM5210B/E410.4/SM9223B	46	710	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	10	1000	<1.0	NL
	5/30/2012	SM5210B/E410.4/SM9223B	18	710	<1.0	NL
	11/2/2011	SM5210B/9223B	7.3	252	47.3	NL
	5/24/2011	SM5210B/9223B	71	473	<1.0	NL
	11/17/2010	SM9223B/3014	<1200	168	8.6	NL
	8/2-3/2010	SM5210B/E410.4	15	172	1892	NL
	4/21/2010	SM5210B/E410.5	54.8	290	1.0	>2419.6
EP-7	9/2/2015	SM5210B/E410.4/SM9223B	21	1960	<10	
	3/26/2015	SM5210B/E410.4/SM9223B	11	658	<10	
	11/12/2014	SM5210B/E410.4/SM9223B	28	4400	20	
	3/5/2014	SM5210B/E410.4/SM9223B	11	3900	<1.0	
	10/16/2013	SM5210B/E410.4/SM9223B	37	3200	<10	NL
	5/29/2013	SM5210B/E410.4/SM9223B	19	6000	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	21	2300	<1.0	NL
	5/30/2012	SM5210B/E410.4/SM9223B	15	3200	<1.0	NL
	11/2/2011	SM5210B/9223B	15	1240	<1.0	NL
	5/24/2011	SM5210B/9223B	27	918	<1.0	NL
	11/17/2010	SM9223B/3014	380	920	<1.0	NL
	8/2-3/2010	SM5210B/E410.4/3014	5	870	<1.0	NL
	4/21/2010	SM5210B/E410.4/3014	<60.0	1010	<1.0	96
EP-8	9/2/2015	SM5210B/E410.4/SM9223B	32	880	10	
	3/26/2015	SM5210B/E410.4/SM9223B	12	600	<1	
	11/12/2014	SM5210B/E410.4/SM9223B	27	4100	10	
	3/5/2014	SM5210B/E410.4/SM9223B	13	2900	<1.0	
	10/16/2013	SM5210B/E410.4/SM9223B	6.8	9800	<10	NL
	5/29/2013	SM5210B/E410.4/SM9223B	22	4600	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	10	13000	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	4.5	3800	<1.0	NL
	11/2/2011	SM5210B/9223B	9.0	512	32.3	NL
	5/24/2011	SM5210B/9223B	46	3140	<1.0	NL
	11/17/2010	SM9223B/3014	400	1720	<1.0	NL
	8/2-3/2010	SM5210B/E410.4/3014	5	2520	<1.0	<1

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			BOD (mg/L)	COD (mg/L)	E-Coli (CFU/100ml)	Total Coliform (CFU/100ml)
WQCC 20NMAC 6.2.3103			<30 ¹	<125 ¹	< 500 organisms per 100 ml	
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			NE	NE		
EPA RSL for Tap Water (NOV 2015)			NE	NE	MCL ⁶	
SAMPLE ID	DATE SAMPLED	METHOD				
	4/21/2010	SM5210B/E410.4/3014	14.3	776	<1.0	2
EP-9	9/2/2015	SM5210B/E410.4/SM9223B	20	1480	74	
	3/26/2015	SM5210B/E410.4/SM9223B	11	509	<10	
	11/13/2014	SM5210B/E410.4/SM9223B	4.2	3900	<1	
	3/5/2014	SM5210B/E410.4/SM9223B	15	1000	<1	
	10/16/2013	SM5210B/E410.4/SM9223B	<12.3	4700	<10	NL
	5/29/2013	SM5210B/E410.4/SM9223B	19	7400	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	7.9	1400	<1.0	NL
	5/30/2012	SM5210B/E410.4/SM9223B	23	2800	<1.0	NL
	11/2/2011	SM5210B/9223B	9.0	1870	<1.0	NL
	5/24/2011	SM5210B/9223B	43	1640	<1.0	NL
	11/17/2010	SM9223B/3014	350	1240	<1.0	NL
	4/21/2010	SM5210B/E410.4/3014	<60.0	760	<1.0	85.5
EP-11	9/2/2015	SM5210B/E410.4/SM9223B	30	1120	10	
	3/26/2015	SM5210B/E410.4/SM9223B	16	692	10	
	11/12/2014	SM5210B/E410.4/SM9223B	89	4700	<10	
	3/5/2014	SM5210B/E410.4/SM9223B	48	570	<10	
	10/16/2013	SM5210B/E410.4/SM9223B	190	530	20	NL
	5/29/2013	SM5210B/E410.4/SM9223B	30	610	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	130	620	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	20	890	<10	NL
	11/2/2011	SM5210B/9223B	40	486	461.1	NL
	5/24/2011	SM5210B/9223B	52	711	<1.0	NL
	11/17/2010	SM9223B/3014	350	460	4.1	NL
	4/21/2010	SM5210B/E410.4/3014	<60.0	492	<1.0	71.9
EP-12A	9/2/2015	SM5210B/E410.4/SM9223B	150	755	8164	
	3/26/2015	SM5210B/E410.4/SM9223B	170	403	12033	
	11/12/2014	SM5210B/E410.4/SM9223B	<37.50	450	131	
	3/5/2014	SM5210B/E410.4/SM9223B	210	560	<10	
	10/16/2013	SM5210B/E410.4/SM9223B	270	930	41	NL
	5/29/2013	SM5210B/E410.4/SM9223B	100	1400	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	150	650	<10	NL
	5/29/2012	SM5210B/E410.4/SM9223B	22	660	<10	NL
	11/2/2011	SM5210B/9223B	85	515	>2419.6	NL
	5/24/2011	SM5210B/9223B	130	582	1.0	NL
	11/17/2010	SM9223B/3014	330	300	64.4	NL
	4/21/2010	SM5210B/E410.4/3014	87.3	675	47.6	>2419.6
EP-12B	9/2/2015	SM5210B/E410.4/SM9223B	300	657	3873	
	3/26/2015	SM5210B/E410.4/SM9223B	270	647	17329	
	11/12/2014	SM5210B/E410.4/SM9223B	110	410	1012	
	3/5/2014	SM5210B/E410.4/SM9223B	430	810	<10	
	10/16/2013	SM5210B/E410.4/SM9223B	460	940	231	NL
	5/29/2013	SM5210B/E410.4/SM9223B	260	770	31	NL
	11/7/2012	SM5210B/E410.4/SM9223B	310	850	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	37	920	<10	NL
	11/2/2011	SM5210B/9223B	130	618	>2419.6	NL
	5/24/2011	SM5210B/9223B	170	450	3.0	NL
	11/17/2010	SM9223B/3014	350	280	12	NL
	4/21/2010	SM5210B/E410.4/3014	342	1070	1540.2	>2419.6

DEFINITIONS

NE = Not established

8.16.1 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			BOD (mg/L)	COD (mg/L)	E-Coli (CFU/100ml)	Total Coliform (CFU/100ml)
WQCC 20NMAC 6.2.3103			<30 ¹	<125 ¹	< 500 organisms per 100 ml	
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE
NMED TAP WATER (JULY 2015)			NE	NE		
EPA RSL for Tap Water (NOV 2015)			NE	NE	MCL ⁶	
SAMPLE ID	DATE SAMPLED	METHOD				

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.16.2 EVAPORATION PONDS (EP-1 thru EP-12B)

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.08	14	0.015	0.43	0.1	6.3E-04	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
EP-1	11/12/2014	200.7/200.8	0.047	0.13	<0.002	0.048	<0.006	2.2	<0.005	0.68	0.017	3.2E-04	<0.005	0.059
	3/5/2014	200.7/200.8	0.013	0.12	<0.002	0.018	<0.006	0.86	<0.001	0.51	<0.01	<0.0002	<0.001	0.028
	10/15/2013	200.7/200.8	0.011	0.1	<0.002	0.018	<0.006	0.56	<0.01	0.46	<0.01	<0.0002	<0.01	0.025
	5/28/2013	200.7/200.8	6.2E-03	0.057	<0.002	9.9E-03	<0.006	0.4	<0.005	0.39	7.7E-03	<0.0002	1.6E-03	0.019
	11/6/2012	200.7/200.8	9.5E-03	0.037	<0.002	7.9E-03	<0.006	3.1	<0.005	0.6	0.011	2.2E-03	<0.0025	0.066
	5/29/2012	200.7/200.8	9.1E-03	0.074	<0.002	<0.006	0.014	2.3	<0.005	0.15	9.8E-03	8.2E-04	<0.0025	0.17
	11/1/2011	200.7/200.8	7.7E-03	0.18	<0.002	0.013	0.021	7.3	<0.005	0.14	6.7E-03	4.5E-03	<0.0025	0.43
	5/23/2011	200.7/200.8	0.014	0.077	<0.002	0.055	0.013	20	<0.005	0.36	<0.05	1.5E-03	<0.0025	0.23
	11/16/2010	6010B	<0.1	<0.1	<0.01	0.39	<0.03	14	<0.025	0.19	<0.25	6.7E-04	<0.02	0.89
	8/2/2010	6010B	<0.5	<0.5	<0.05	<0.15	<0.15	15	<0.13	0.43	<1.3	1.6E-03	NL	1.3
	4/20/2010	6010B	<0.1	0.27	<0.01	<0.03	<0.03	36	<0.025	0.24	<0.25	<0.0002	5.81E-03	0.49
EP-2	9/1/2015	200.7/200.8	0.014	0.13	<0.002	0.013	<0.006	0.58	<0.0025	0.3	0.013	<0.0002	4.8E-03	0.014
	3/24/2015	200.7/200.8	<0.2	0.14	<0.002	0.017	7.3E-03	4.4	<0.01	0.42	<0.2	<0.0002	<0.01	0.089
	11/12/2014	200.7/200.8	<0.02	0.11	<0.002	0.012	<0.006	2.8	0.002	0.24	<0.02	<0.0002	7.1E-03	0.025
	3/5/2014	200.7/200.8	0.012	0.12	<0.002	0.013	<0.006	1.2	<0.001	0.36	0.023	<0.0001	5.1E-03	0.02
	10/15/2013	200.7/200.8	0.011	0.093	<0.002	8.1E-03	<0.006	0.45	<0.01	0.2	0.012	<0.0002	<0.01	0.032
	5/28/2013	200.7/200.8	0.013	0.056	<0.002	0.017	<0.006	3.1	<0.005	0.44	0.029	<0.0002	<0.001	0.045
	11/6/2012	200.7/200.8	9.3E-03	0.037	<0.002	0.014	<0.006	1.3	<0.005	0.37	5.3E-03	3.3E-04	<0.0025	0.025
	5/29/2012	200.7/200.8	0.011	0.064	<0.002	<0.006	<0.006	0.99	<0.005	0.15	0.011	<0.0002	<0.0025	0.032
	11/1/2011	200.7/200.8	8.3E-03	0.059	<0.002	0.008	<0.006	3.9	<0.005	0.11	6.2E-03	1.5E-03	<0.005	0.12
	5/23/2011	200.7/200.8	0.014	0.024	<0.002	0.024	<0.006	2.6	<0.005	0.33	<0.05	<0.0002	<0.0025	0.037
	11/16/2010	200.7/200.8	<0.1	<0.11	<0.01	0.051	<0.03	7.9	<0.025	0.41	<0.25	4.5E-04	<0.001	0.59
	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	2.4	<0.05	0.23	<0.5	<0.0002	<0.001	<0.5
EP-3	4/20/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	17	<0.025	0.31	<0.25	7.7E-04	8.3E-03	<0.25
	9/1/2015	200.7/200.8	0.015	0.2	<0.002	0.017	<0.006	0.42	<0.0025	0.29	0.018	<0.0002	2.70E-03	0.013
	3/24/2015	200.7/200.8	<0.2	0.13	<0.002	0.01	<0.006	1.2	<0.2	0.33	<0.2	<0.0002	<0.2	0.021
	11/12/2014	200.7/200.8	<0.02	0.1	<0.002	9.8E-03	<0.006	1.9	<0.02	0.23	<0.02	<0.0002	<0.02	0.02
	3/5/2014	200.7/200.8	0.011	0.15	<0.01	<0.03	<0.03	1.0	<0.01	0.41	0.019	<0.0002	<0.01	<0.05
	10/15/2013	200.7/200.8	0.014	0.11	<0.002	0.007	<0.006	0.76	<0.01	0.19	0.015	<0.0002	<0.01	0.023
	5/28/2013	200.7/200.8	0.013	0.079	<0.002	0.011	<0.006	0.89	<0.005	0.22	0.013	<0.0002	<0.005	0.016
	11/6/2012	200.7/200.8	9.5E-03	0.039	<0.002	7.6E-03	<0.006	1.7	<0.005	0.48	0.008	4.4E-04	<0.0025	0.031
	5/29/2012	200.7/200.8	0.013	0.081	<0.002	<0.006	<0.006	0.39	<0.005	0.11	0.013	<0.0002	<0.005	<0.01
	11/1/2011	200.7/200.8	7.6E-03	0.061	<0.002	6.9E-03	<0.006	2.6	<0.005	0.12	6.5E-03	5.5E-04	<0.005	0.06
	5/23/2011	200.7/200.8	0.015	0.034	<0.002	0.023	<0.006	2.0	<0.005	0.33	<0.05	<0.0002	<0.0025	0.033
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.65	<0.025	0.19	<0.25	<0.0002	<0.001	<0.1
EP-4	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	3.0	<0.05	0.38	<0.5	<0.0002	<0.001	<0.5
	4/20/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	1.6	<0.025	0.39	<0.25	<0.0002	3.26E-03	<0.25
	9/1/2015	200.7/200.8	0.016	0.2	<0.002	0.017	<0.006	0.43	<0.0025	0.29	0.018	<0.0002	2.80E-03	0.018
	3/24/2015	200.7/200.8	<0.2	0.13	<0.002	0.009	<0.006	0.81	<0.2	0.44	<0.2	<0.0002	<0.2	0.014
	11/12/2014	200.7/200.8	<0.02	0.11	<0.002	0.01	<0.006	1.7	<0.02	0.28	<0.02	<0.0002	<0.02	0.023
	3/5/2014	200.7/200.8	0.012	0.14	<0.01	<0.03	<0.03	0.99	<0.01	0.43	0.018	<0.0002	<0.01	<0.05

8.16.2 EVAPORATION PONDS (EP-1 thru EP-12B)

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.08	14	0.015	0.43	0.1	6.3E-04	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
EP-4	10/15/2013	200.7/200.8	0.012	0.091	<0.002	6.8E-03	<0.006	0.38	<0.01	0.15	0.017	<0.0002	<0.01	0.018
	5/28/2013	200.7/200.8	0.014	0.082	<0.002	0.012	<0.006	0.58	<0.01	0.18	<0.02	<0.0002	<0.01	0.015
	11/6/2012	200.7/200.8	0.011	0.061	<0.002	<0.006	<0.006	1.2	<0.005	0.52	0.011	<0.0002	<0.0025	0.026
	5/29/2012	200.7/200.8	0.015	0.064	<0.002	0.006	<0.006	0.28	<0.005	0.064	0.018	<0.0002	<0.0025	<0.01
	11/1/2011	200.7/200.8	8.7E-03	0.077	<0.002	<0.006	<0.006	1.2	<0.005	0.21	7.8E-03	2.2E-04	<0.005	0.024
	5/23/2011	200.7/200.8	0.012	0.065	<0.002	0.024	<0.006	0.41	<0.005	0.3	<0.05	<0.0002	<0.0025	0.018
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.5	<0.025	0.17	<0.25	<0.0002	<0.001	<0.1
	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	0.76	<0.05	0.31	<0.5	<0.0002	<0.001	<0.5
	4/20/2010	6010B	<0.1	0.086	<0.002	<0.006	<0.006	2.0	<0.005	0.37	<0.05	<0.0002	3.27E-03	<0.05
EP-5	9/1/2015	200.7/200.8	0.026	0.16	<0.002	0.016	<0.006	0.16	<0.005	0.32	0.034	<0.0002	<0.005	0.012
	3/24/2015	200.7/200.8	0.022	0.14	<0.002	0.01	<0.006	0.89	<0.01	0.89	<0.2	<0.0002	<0.01	0.016
	11/12/2014	200.7/200.8	0.032	0.13	<0.002	7.7E-03	<0.006	0.62	<0.02	0.48	<0.05	<0.0002	<0.05	0.012
	3/5/2014	200.7/200.8	0.015	0.12	<0.01	<0.03	<0.03	0.6	<0.01	0.55	0.016	<0.0002	<0.01	<0.05
	10/15/2013	200.7/200.8	0.013	0.09	<0.002	7.1E-03	<0.006	0.33	<0.01	0.18	0.017	<0.0002	<0.01	0.016
	5/28/2013	200.7/200.8	0.012	0.084	<0.002	0.012	<0.006	0.47	<0.01	0.16	<0.02	<0.0002	<0.01	0.014
	11/6/2012	200.7/200.8	0.012	0.062	<0.002	<0.006	<0.006	0.63	<0.005	0.39	0.012	<0.0002	<0.0025	0.023
	5/29/2012	200.7/200.8	0.015	0.064	<0.002	<0.006	<0.006	0.28	<0.005	0.07	0.018	<0.0002	<0.0025	<0.01
	11/1/2011	200.7/200.8	0.011	0.094	<0.002	8.5E-03	<0.006	0.39	<0.005	0.27	6.9E-03	<0.0002	<0.005	0.01
	5/23/2011	200.7/200.8	0.018	0.083	<0.002	0.022	<0.006	0.14	<0.005	0.19	<0.05	<0.0002	<0.0025	0.015
	11/16/2010	6010B	<0.1	<0.1	<0.02	0.043	<0.03	0.68	<0.025	0.22	<0.25	<0.0002	<0.001	<0.1
	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	<0.5	<0.05	0.069	<0.5	<0.002	<0.001	<0.5
	4/20/2010	6010B	<0.1	0.11	<0.01	<0.03	<0.03	1.1	<0.025	0.45	<0.25	<0.0002	5.71E-03	<0.05
EP-6	9/1/2015	200.7/200.8	0.031	0.13	<0.002	0.014	<0.006	0.028	<0.005	0.33	0.04	<0.0002	<0.005	0.014
	3/25/2015	200.7/200.8	0.023	0.13	<0.002	9.2E-03	<0.006	0.78	<0.01	0.43	0.026	<0.0002	<0.01	0.018
	11/12/2014	200.7/200.8	0.034	0.15	<0.002	8.2E-03	<0.006	1.6	<0.02	0.55	<0.05	<0.0002	<0.05	<0.02
	3/5/2014	200.7/200.8	0.015	0.12	<0.002	8.9E-03	<0.006	0.67	<0.01	0.59	0.018	<0.0002	<0.01	0.014
	10/15/2013	200.7/200.8	<0.05	0.099	<0.002	9.9E-03	<0.006	0.1	<0.05	0.22	<0.05	<0.0002	<0.05	<0.01
	5/28/2013	200.7/200.8	0.023	0.09	<0.002	8.8E-03	<0.006	0.13	<0.01	0.13	<0.02	<0.0002	<0.002	<0.01
	11/6/2012	200.7/200.8	0.023	0.092	<0.002	7.6E-03	<0.006	0.14	<0.005	0.086	0.024	<0.0002	<0.0025	<0.01
	5/29/2012	200.7/200.8	0.017	0.1	<0.002	9.3E-03	<0.006	0.28	<0.005	0.42	0.016	<0.0002	<0.0025	0.013
	11/1/2011	200.7/200.8	0.017	0.11	<0.002	0.015	<0.006	0.15	<0.005	0.21	8.9E-03	<0.0002	<0.005	<0.01
	5/23/2011	200.7/200.8	0.02	0.12	<0.002	0.019	<0.006	0.17	<0.005	0.14	<0.05	<0.0002	<0.005	0.01
	11/16/2010	6010B	<0.1	0.14	<0.01	0.04	<0.03	<0.03	<0.025	0.33	<0.25	<0.0002	0.001	<0.1
	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	<0.5	<0.05	4.8	<0.5	<0.0002	<0.001	<0.5
EP-7	9/1/2015	200.7/200.8	0.16	0.18	<0.01	0.064	<0.03	0.12	<0.05	0.51	0.22	<0.0002	<0.05	<0.05
	3/25/2015	200.7/200.8	<0.2	0.16	<0.01	<0.03	<0.03	0.32	<0.2	0.77	<0.2	<0.0002	<0.2	<0.05
	11/12/2014	200.7/200.8	0.14	0.2	<0.01	<0.03	<0.03	0.72	<0.05	1.1	<0.5	<0.0002	<0.05	<0.05
	3/5/2014	200.7/200.8	0.15	0.11	<0.01	<0.03	<0.03	0.28	<0.1	2.0	0.12	<0.0002	<0.1	<0.05
	10/15/2013	200.7/200.8	0.14	0.099	<0.01	<0.3	<0.03	0.39	<0.05	0.54	0.16	<0.0002	<0.05	<0.05
	5/28/2013	200.7/200.8	0.13	0.11	<0.1	<0.03	<0.03	0.14	<0.05	3.1	0.1	<0.0002	<0.1	<0.05
	11/6/2012	200.7/200.8	0.14	0.081	<0.1	<0.03	<0.03	<0.1	<0.025	0.32	<0.25	<0.0002	<0.02	<0.05
	5/29/2012	200.7/200.8	0.078	0.14	<0.002	0.014	<0.006	0.18	<0.005	0.74	0.077	<0.0002	<0.02	0.011

8.16.2 EVAPORATION PONDS (EP-1 thru EP-12B)

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.08	14	0.015	0.43	0.1	6.3E-04	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
EP-8	11/1/2011	200.7/200.8	0.049	0.098	<0.01	<0.03	<0.03	0.39	<0.025	0.83	0.03	<0.0002	<0.02	<0.05
	5/23/2011	200.7/200.8	0.079	0.13	<0.01	<0.03	<0.03	0.16	<0.025	2.5	<0.25	<0.0002	<0.01	<0.05
	1/16/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	0.83	<0.05	3.3	<0.5	<0.0002	0.003	<0.2
	8/2/2010	6010B	<1.0	<1.0	<0.1	<0.3	<0.3	<2.5	<0.25	3.9	<2.5	<0.0002	NL	<2.5
	4/20/2010	6010B	0.1	<0.2	<0.01	<0.03	<0.03	0.28	<0.025	2.7	<0.25	<0.0002	2.25E-03	<0.25
	9/1/2015	200.7/200.8	0.18	0.18	<0.01	0.046	<0.03	<0.1	<0.05	0.52	0.22	<0.0002	<0.05	<0.05
	3/25/2015	200.7/200.8	<0.2	0.16	<0.01	<0.03	<0.03	0.34	<0.2	0.78	<0.2	<0.0002	<0.2	<0.05
	11/12/2014	200.7/200.8	0.14	0.2	<0.01	<0.03	<0.03	0.57	<0.05	1.2	<0.5	<0.0002	<0.05	<0.05
	3/5/2014	200.7/200.8	0.12	0.12	<0.01	<0.03	<0.03	0.28	<0.1	2.2	<0.1	<0.0002	<0.1	<0.05
	10/15/2013	200.7/200.8	0.35	0.24	<0.02	<0.06	<0.06	0.23	<0.1	18	0.3	<0.0002	<0.1	<0.1
	5/28/2013	200.7/200.8	0.12	0.13	<0.01	<0.03	<0.03	0.16	<0.02	4.0	<0.1	<0.001	<0.01	<0.05
	11/6/2012	200.7/200.8	0.5	0.23	<0.04	<0.12	<0.12	<0.2	<0.1	34	<2.5	<0.0002	<0.05	<0.2
	5/29/2012	200.7/200.8	0.15	0.17	<0.002	0.018	7.1E-03	0.5	<0.005	8.6	0.12	<0.0002	<0.02	0.025
	11/1/2011	200.7/200.8	0.047	0.13	<0.002	0.017	<0.006	0.17	<0.005	1.5	0.026	<0.0002	<0.005	0.012
	5/23/2011	200.7/200.8	0.42	0.23	<0.01	<0.03	<0.06	0.41	<0.025	20	<0.25	<0.0002	<0.0025	0.1
	11/16/2010	6010B	<0.4	<0.4	<0.04	<0.12	<0.12	<1.0	<0.025	<1.0	<1.0	<0.0002	0.003	<0.4
	8/2/2010	6010B	<1.0	<1.0	<0.1	<0.3	<0.3	<2.5	<0.25	24	<2.5	<0.0002	NL	<2.5
	4/20/2010	6010B	0.17	0.13	<0.01	<0.03	<0.03	0.62	<0.025	9.6	<0.25	<0.0002	2.27E-03	<0.25
EP-9	9/1/2015	200.7/200.8	0.14	0.22	<0.01	0.033	<0.03	<0.1	<0.05	0.4	0.18	<0.0002	<0.05	<0.05
	3/25/2015	200.7/200.8	<0.2	0.11	<0.01	<0.03	<0.03	0.12	<0.2	0.5	<0.2	<0.0002	<0.2	<0.05
	11/13/2014	200.7/200.8	0.2	0.25	<0.01	<0.03	<0.03	0.19	<0.05	0.25	<1.0	<0.0002	<0.05	<0.1
	3/5/2014	200.7/200.8	0.12	0.18	<0.01	<0.03	<0.03	0.26	<0.1	2.7	0.15	<0.0002	<0.1	<0.05
	10/15/2013	200.7/200.8	<0.1	0.18	<0.01	<0.03	<0.03	0.1	<0.05	3.3	0.11	<0.0002	<0.05	<0.05
	5/28/2013	200.7/200.8	0.095	0.2	<0.01	<0.03	<0.03	<0.1	<0.05	3.4	<0.1	<0.0002	<0.01	<0.05
	11/6/2012	200.7/200.8	0.055	0.15	<0.01	<0.03	<0.03	0.13	<0.025	0.94	<0.25	<0.0002	<0.01	<0.05
	5/29/2012	200.7/200.8	0.081	0.17	<0.002	9.6E-03	<0.006	0.11	<0.005	4.7	0.074	<0.0002	<0.02	0.014
	11/1/2011	200.7/200.8	0.087	0.2	<0.01	<0.03	<0.03	0.037	<0.025	1.9	0.051	<0.0002	<0.02	<0.05
	5/23/2011	200.7/200.8	0.1	0.2	<0.01	<0.03	<0.03	0.18	<0.025	7.4	<0.25	<0.0002	<0.01	<0.05
	11/16/2010	6010B	<0.4	<0.4	<0.04	<0.12	<0.12	<1.0	<0.1	6.7	<1.0	<0.0002	0.003	<0.4
	4/20/2010	6010B	<0.1	0.14	<0.01	<0.03	<0.03	0.62	<0.025	29	<0.25	<0.0002	2.20E-03	<0.25
EP-11	9/1/2015	200.7/200.8	0.17	0.17	<0.01	0.036	<0.03	0.18	<0.05	0.48	0.21	<0.0002	<0.05	<0.05
	3/25/2015	200.7/200.8	<0.2	0.13	<0.01	<0.03	<0.03	0.22	<0.2	0.66	<0.2	<0.0005	<0.2	<0.05
	11/12/2014	200.7/200.8	0.14	0.16	<0.01	<0.03	<0.03	0.38	<0.05	1.2	<0.5	<0.0002	<0.05	<0.05
	3/5/2014	200.7/200.8	0.042	0.081	<0.002	0.013	<0.006	0.79	<0.01	0.99	0.041	<0.0002	<0.01	0.019
	10/15/2013	200.7/200.8	<0.05	0.072	<0.002	0.011	<0.006	0.42	<0.05	0.41	<0.05	<0.0002	<0.05	<0.01
	5/28/2013	200.7/200.8	0.042	0.064	<0.002	0.01	<0.006	0.12	<0.01	0.44	<0.05	<0.0002	<0.005	<0.01
	11/6/2012	200.7/200.8	0.017	0.051	<0.002	6.5E-03	<0.006	0.99	<0.005	0.35	0.014	<0.0002	<0.0025	0.024
	5/29/2012	200.7/200.8	0.028	0.086	<0.002	9.9E-03	<0.006	0.48	<0.005	0.8	0.017	<0.0002	<0.0025	0.014
	11/1/2011	200.7/200.8	8.3E-03	0.071	<0.002	<0.006	<0.006	1.2	<0.005	0.19	8.4E-03	<0.0002	<0.005	0.021
	5/23/2011	200.7/200.8	0.061	0.085	<0.01	<0.03	<0.03	0.22	<0.025	0.9	<0.25	<0.0002	<0.01	<0.05
	11/16/2010	6010B	<0.1	0.14	<0.01	0.35	<0.03	1.3	<0.025	0.88	<0.25	<0.0002	0.002	<0.1

8.16.2 EVAPORATION PONDS (EP-1 thru EP-12B)

Total Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.08	14	0.015	0.43	0.1	6.3E-04	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
	4/20/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.42	<0.025	1.6	<0.25	<0.0002	1.97E-03	<0.25
EP-12A	9/1/2015	200.7/200.8	0.029	0.099	<0.002	0.02	<0.006	0.28	<0.0025	0.14	0.038	<0.0002	2.9E-03	<0.01
	3/25/2015	200.7/200.8	0.019	0.076	<0.002	0.012	<0.006	0.6	<0.01	0.095	<0.2	<0.0002	<0.01	0.015
	11/12/2014	200.7/200.8	<0.05	0.14	<0.002	0.018	<0.006	4.1	<0.05	0.44	<0.05	<0.0002	<0.05	0.019
	3/5/2014	200.7/200.8	0.019	0.059	<0.002	0.014	<0.006	1.9	<0.01	0.95	0.02	<0.0002	<0.01	0.021
	10/15/2013	200.7/200.8	<0.05	0.072	<0.002	0.011	<0.006	0.65	<0.05	0.38	<0.05	<0.0002	<0.05	0.016
	5/28/2013	200.7/200.8	0.018	0.054	<0.002	0.012	<0.006	0.67	<0.01	0.23	<0.02	<0.0002	<0.01	0.015
	11/6/2012	200.7/200.8	0.015	0.053	<0.002	<0.006	<0.006	0.86	<0.005	0.32	0.013	<0.0002	<0.0025	0.02
	5/29/2012	200.7/200.8	0.025	0.083	<0.002	9.7E-03	<0.006	0.52	<0.005	0.75	0.017	<0.0002	<0.0025	0.016
	11/1/2011	200.7/200.8	8.5E-03	0.065	<0.002	6.7E-03	<0.006	1.9	<0.005	0.14	6.3E-03	3.5E-04	<0.005	0.04
	5/23/2011	200.7/200.8	0.024	0.061	<0.002	0.02	<0.006	0.22	<0.005	0.32	<0.05	<0.0002	<0.0025	0.016
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	1.1	<0.025	0.4	<0.25	<0.0002	0.002	<0.1
	4/20/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.92	<0.025	0.28	<0.25	<0.0002	1.75E-03	<0.25
EP-12B	9/1/2015	200.7/200.8	0.014	0.13	<0.002	0.013	<0.006	0.55	<0.0025	0.26	0.017	<0.0002	3.50E-03	0.015
	3/25/2015	200.7/200.8	0.018	0.1	<0.002	0.011	<0.006	1.1	<0.01	0.22	<0.2	<0.0002	<0.01	0.02
	11/12/2014	200.7/200.8	<0.05	0.087	<0.002	0.011	<0.006	1.4	<0.05	0.27	<0.05	<0.0002	<0.05	0.019
	3/5/2014	200.7/200.8	0.014	0.08	<0.002	0.013	<0.006	1.2	<0.01	0.55	0.014	<0.0002	<0.01	0.014
	10/15/2013	200.7/200.8	0.011	0.08	<0.002	7.6E-03	<0.006	0.38	<0.01	0.2	0.012	<0.0002	<0.01	0.023
	5/28/2013	200.7/200.8	0.013	0.049	<0.002	0.013	<0.006	1.3	<0.01	0.25	<0.02	<0.0002	<0.01	0.025
	11/6/2012	200.7/200.8	9.2E-03	0.04	<0.002	6.9E-03	<0.006	1.6	<0.005	0.47	8.9E-03	4.2E-04	<0.0025	0.031
	5/29/2012	200.7/200.8	0.016	0.072	<0.002	<0.006	<0.006	0.32	<0.005	0.12	0.017	<0.0002	<0.0025	<0.01
	11/1/2011	200.7/200.8	7.6E-03	0.063	<0.002	7.3E-03	<0.006	2.4	<0.005	0.13	0.006	5.5E-04	<0.005	0.059
	5/23/2011	200.7/200.8	0.016	0.05	<0.002	0.022	<0.006	0.59	<0.005	0.29	<0.05	<0.0002	<0.0025	0.02
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.84	<0.025	0.15	<0.25	<0.0002	<0.001	<0.25
	4/20/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	4.2	<0.025	0.35	<0.25	<0.0002	2.91E-03	<0.25

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.16.3 EVAPORATION PONDS (EP-1 thru EP-12B)
Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
EP-1	11/12/2014	200.7/200.8	0.041	0.12	<0.01	0.036	<0.03	1.2	<0.01	0.66	0.013	<0.025	<0.01	0.058
	3/5/2014	200.7/200.8	<0.01	0.13	<0.002	0.018	<0.006	0.78	<0.01	0.53	<0.01	<0.005	<0.01	0.021
	10/15/2013	200.7/200.8	0.01	0.1	<0.002	0.017	<0.006	0.42	<0.005	0.45	<0.01	<0.05	<0.01	0.017
	5/28/2013	200.7/200.8	<0.01	0.061	<0.01	<0.03	<0.03	0.25	<0.01	0.43	<0.01	<0.025	<0.01	<0.05
	11/6/2012	200.7/200.8	8.8E-03	0.034	<0.002	7.3E-03	<0.006	2.2	<0.005	0.66	7.2E-03	<0.005	1.1E-03	0.099
	5/29/2012	200.7/200.8	8.4E-03	0.046	<0.002	<0.006	<0.006	0.76	<0.005	0.15	0.011	<0.005	<0.005	0.074
	11/1/2011	200.7/200.8	4.7E-03	0.012	<0.002	<0.006	<0.006	1.0	<0.005	0.12	0.015	<0.005	<0.002	0.059
	5/23/2011	200.7/200.8	<0.01	0.014	<0.01	0.047	<0.03	15	<0.025	0.34	<0.25	<0.025	<0.005	0.13
	11/16/2010	6010B	<0.1	<0.1	<0.1	<0.03	<0.03	4.3	<0.025	0.15	<0.25	<0.025	<0.001	<0.25
	8/2/2010	6010B	<0.02	0.072	<0.002	0.013	<0.006	2.5	<0.005	0.36	<0.05	<0.025	<0.001	0.096
	4/20/2010	6010B	<0.02	0.085	<0.002	0.019	9.1E-03	29	<0.005	0.24	0.066	<0.005	4.42E-03	0.28
EP-2	9/1/2015	200.7/200.8	9.8E-03	0.13	<0.002	0.012	<0.006	0.37	<0.0025	0.3	0.011	<0.005	3.10E-03	0.02
	3/24/2015	200.7/200.8	<0.01	0.13	<0.002	0.017	<0.006	4.0	<0.2	0.37	<0.1	<0.005	<0.01	0.086
	11/12/2014	200.7/200.8	0.011	0.076	<0.002	9.9E-03	<0.006	1.4	<0.01	0.21	<0.01	<0.005	<0.01	0.056
	3/5/2014	200.7/200.8	<0.01	0.13	<0.005	0.016	<0.006	0.72	<0.01	0.38	0.042	<0.005	<0.01	0.01
	10/15/2013	200.7/200.8	<0.01	0.085	<0.002	7.1E-03	<0.006	0.27	<0.005	0.19	0.011	<0.005	<0.01	0.017
	5/28/2013	200.7/200.8	0.012	0.059	<0.01	<0.03	<0.03	3.2	<0.01	0.48	0.024	<0.025	<0.01	0.092
	11/6/2012	200.7/200.8	0.01	0.034	<0.002	0.012	<0.006	1.2	<0.005	0.36	4.1E-03	<0.005	<0.001	0.045
	5/29/2012	200.7/200.8	0.011	0.06	<0.002	<0.006	<0.006	0.46	<0.005	0.15	0.011	<0.005	<0.005	0.024
	11/1/2011	200.7/200.8	5.8E-03	0.042	<0.002	6.5E-03	<0.006	1.1	<0.005	0.11	5.7E-03	<0.005	<0.002	0.044
	5/23/2011	200.7/200.8	0.014	0.026	<0.01	<0.03	<0.03	1.7	<0.025	0.33	<0.25	<0.025	<0.005	<0.05
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.71	<0.025	0.18	<0.25	<0.025	<0.001	<0.25
	8/2/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	2.2	<0.025	0.27	<0.25	<0.025	<0.001	<0.25
	4/20/2010	6010B	<0.02	0.057	<0.002	0.013	<0.006	9.7	<0.005	0.34	<0.25	<0.005	0.0046	0.12
EP-3	9/1/2015	200.7/200.8	0.013	0.19	<0.002	0.014	<0.006	0.21	<0.0025	0.27	0.014	<0.005	<0.0025	0.014
	3/24/2015	200.7/200.8	<0.1	0.13	<0.002	8.8E-03	<0.006	0.9	<0.2	0.31	<0.1	<0.005	<0.01	0.055
	11/12/2014	200.7/200.8	0.012	0.1	<0.002	9.1E-03	<0.006	1.6	<0.01	92	<0.01	<0.005	<0.01	0.016
	3/5/2014	200.7/200.8	<0.01	0.13	<0.002	0.013	<0.006	0.65	<0.01	0.41	0.021	<0.005	<0.01	<0.01
	10/15/2013	200.7/200.8	0.01	0.085	<0.002	7.3E-03	<0.006	0.2	<0.005	0.15	0.015	<0.05	<0.01	0.012
	5/28/2013	200.7/200.8	0.011	0.088	<0.01	<0.03	<0.03	0.41	<0.01	0.26	0.013	<0.025	<0.01	0.072
	11/6/2012	200.7/200.8	8.1E-03	0.04	<0.002	6.5E-03	<0.006	1.0	<0.005	0.52	5.3E-03	<0.005	1.4E-03	0.076
	5/29/2012	200.7/200.8	0.014	0.076	<0.002	<0.006	<0.006	0.22	<0.005	0.1	0.022	<0.005	<0.01	0.033
	11/1/2011	200.7/200.8	6.6E-03	0.053	<0.002	<0.006	<0.006	1.3	<0.005	0.12	5.6E-03	<0.005	<0.005	0.03
	5/23/2011	200.7/200.8	0.014	0.033	<0.002	0.024	<0.006	1.5	<0.005	0.34	<0.05	<0.005	<0.005	0.033
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.24	<0.025	0.15	<0.25	<0.025	<0.001	<0.25
	8/2/2010	6010B	<0.1	0.12	<0.002	9.3E-03	<0.006	1.8	<0.005	0.37	<0.05	<0.005	<0.001	<0.05
	4/20/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.88	<0.025	0.42	<0.25	<0.005	2.58E-03	<0.25
EP-4	9/1/2015	200.7/200.8	0.014	0.19	<0.002	0.013	<0.006	0.24	<0.0025	0.28	0.018	<0.005	2.6E-03	0.016
	3/24/2015	200.7/200.8	0.022	0.12	<0.002	7.9E-03	<0.006	0.46	<0.2	0.4	0.038	<0.005	<0.01	<0.01
	11/12/2014	200.7/200.8	0.012	0.11	<0.002	0.01	<0.006	1.3	1.3E-03	0.27	0.011	<0.005	3.9E-03	0.017
	3/5/2014	200.7/200.8	<0.01	0.13	<0.002	0.012	<0.006	0.58	<0.01	0.43	0.021	<0.005	<0.01	<0.01
	10/15/2013	200.7/200.8	0.012	0.084	<0.002	<0.006	<0.006	0.26	<0.005	0.15	0.017	<0.05	<0.01	0.013

8.16.3 EVAPORATION PONDS (EP-1 thru EP-12B)
Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
	5/28/2013	200.7/200.8	0.013	0.085	<0.01	<0.03	<0.03	0.31	<0.01	0.19	0.019	<0.025	<0.01	<0.05
	11/6/2012	200.7/200.8	7.6E-03	0.068	<0.002	<0.006	<0.006	0.29	<0.005	0.59	<0.01	<0.005	<0.001	0.13
	5/29/2012	200.7/200.8	0.017	0.06	<0.002	6.7E-03	<0.006	0.2	<0.005	0.061	0.024	<0.005	<0.005	0.036
	11/1/2011	200.7/200.8	8.6E-03	0.073	<0.002	<0.006	<0.006	0.78	<0.005	0.2	8.4E-03	<0.005	<0.005	0.022
	5/23/2011	200.7/200.8	0.017	0.067	<0.002	0.024	<0.006	0.19	<0.005	0.33	<0.05	<0.005	<0.005	0.019
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.22	<0.025	0.14	<0.25	<0.025	<0.001	<0.25
	8/2/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	1.0	<0.025	0.33	<0.25	<0.025	0.002	<0.25
	4/20/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.95	<0.025	0.41	<0.25	<0.005	2.92E-03	<0.25
EP-5	9/1/2015	200.7/200.8	0.025	0.14	<0.002	0.017	<0.006	0.058	<0.005	0.32	0.031	<0.005	<0.005	0.014
	3/24/2015	200.7/200.8	<0.2	0.13	<0.002	7.5E-03	<0.006	0.51	<0.2	0.44	<0.1	<0.005	<0.01	<0.01
	11/12/2014	200.7/200.8	0.025	0.13	<0.002	8.9E-03	<0.006	0.24	<0.02	0.48	<0.02	<0.005	<0.02	<0.01
	3/5/2014	200.7/200.8	0.012	0.1	<0.01	<0.03	<0.03	0.46	<0.01	0.55	0.021	<0.025	<0.01	<0.05
	10/15/2013	200.7/200.8	0.013	0.089	<0.002	7.9E-03	<0.006	0.27	<0.005	0.18	0.018	<0.05	<0.01	0.012
	5/28/2013	200.7/200.8	0.013	0.085	<0.01	<0.03	<0.03	0.28	<0.01	0.16	0.019	<0.025	<0.1	<0.05
	11/6/2012	200.7/200.8	7.5E-03	0.07	<0.002	<0.006	<0.006	0.25	<0.005	0.45	<0.05	<0.005	<0.001	0.034
	5/29/2012	200.7/200.8	0.017	0.059	<0.002	6.9E-03	<0.006	0.19	<0.005	0.065	0.023	<0.005	<0.01	0.023
EP-5	11/1/2011	200.7/200.8	9.8E-03	0.085	<0.002	0.007	<0.006	0.3	<0.005	0.24	7.5E-03	<0.005	<0.005	<0.1
	5/23/2011	200.7/200.8	0.018	0.086	<0.002	0.023	<0.006	0.049	<0.005	0.21	<0.05	<0.005	<0.005	0.015
	11/16/2010	6010B	<0.1	<0.1	<0.01	0.031	<0.03	0.37	<0.025	0.19	<0.25	<0.025	<0.001	<0.25
	8/2/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.42	<0.025	0.3	<0.25	<0.025	0.003	<0.25
	4/20/2010	6010B	<0.1	0.12	<0.01	<0.03	<0.03	0.71	<0.025	0.49	<0.25	<0.005	2.71E-03	<0.25
EP-6	9/1/2015	200.7/200.8	0.03	0.13	<0.01	0.014	<0.03	0.028	<0.005	0.33	0.035	<0.005	<0.005	0.014
	3/25/2015	200.7/200.8	<0.2	0.12	<0.002	7.9E-03	<0.006	0.4	<0.2	0.39	<0.2	<0.005	<0.01	0.011
	11/12/2014	200.7/200.8	0.027	0.14	<0.01	<0.03	<0.03	0.2	<0.02	0.53	0.025	<0.025	<0.02	<0.05
	3/5/2014	200.7/200.8	0.015	0.11	<0.002	9.1E-03	<0.006	0.45	<0.01	0.6	0.024	<0.005	<0.01	0.011
	10/15/2013	200.7/200.8	<0.05	0.098	<0.002	8.6E-03	<0.006	0.077	<0.005	0.22	<0.05	<0.05	<0.05	<0.01
	5/28/2013	200.7/200.8	0.021	0.096	<0.01	<0.03	<0.03	<0.1	<0.01	0.15	0.02	<0.025	<0.01	0.069
	11/6/2012	200.7/200.8	0.022	0.11	<0.02	<0.06	<0.06	0.053	<0.05	0.1	0.014	<0.05	<0.005	<0.1
	5/29/2012	200.7/200.8	0.02	0.094	<0.002	0.011	<0.006	0.11	<0.005	0.41	0.017	<0.005	<0.01	0.019
	11/1/2011	200.7/200.8	0.02	0.11	<0.002	0.014	<0.006	0.076	<0.005	0.19	0.011	<0.005	<0.01	0.011
	5/23/2011	200.7/200.8	0.016	0.11	<0.01	<0.03	<0.03	0.13	<0.025	0.13	<0.25	<0.025	<0.005	<0.05
	11/16/2010	6010B	<0.1	0.12	<0.01	<0.03	<0.03	0.18	<0.025	0.3	<0.25	<0.025	0.001	<0.25
	8/2/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.033	<0.025	0.045	<0.25	<0.025	0.002	<0.25
	4/20/2010	6010B	<0.02	0.068	<0.002	<0.006	<0.006	0.38	<0.005	0.43	<0.05	<0.005	1.69E-03	0.5
EP-7	9/1/2015	200.7/200.8	0.15	0.17	<0.01	0.062	<0.03	<0.1	<0.05	0.38	0.18	<0.025	<0.05	<0.05
	3/25/2015	200.7/200.8	<0.2	0.15	<0.01	<0.03	<0.03	<0.1	<0.2	0.53	<0.2	<0.025	<0.01	<0.05
	11/12/2014	200.7/200.8	0.11	0.19	<0.01	<0.03	<0.03	0.35	<0.02	0.8	<0.2	<0.025	<0.02	<0.05
	3/5/2014	200.7/200.8	0.11	0.11	<0.01	<0.03	<0.03	0.15	<0.1	2.1	0.13	<0.025	<0.1	<0.05
	10/15/2013	200.7/200.8	0.13	0.096	<0.01	<0.03	<0.03	<0.1	<0.025	0.38	0.19	<0.025	<0.05	<0.05
	5/28/2013	200.7/200.8	0.11	0.11	<0.01	<0.03	<0.03	<0.1	<0.02	2.9	0.11	<0.025	<0.02	<0.05
	11/6/2012	200.7/200.8	0.12	0.14	<0.02	<0.06	<0.06	<0.2	<0.05	0.72	<0.5	<0.05	<0.02	<0.1
	5/29/2012	200.7/200.8	0.081	0.14	<0.02	<0.06	<0.06	<0.2	<0.05	0.74	0.086	<0.05	<0.02	<0.1
	11/1/2011	200.7/200.8	<0.05	0.09	<0.01	<0.03	<0.03	<0.1	<0.025	0.6	<0.05	<0.025	<0.05	<0.05

8.16.3 EVAPORATION PONDS (EP-1 thru EP-12B)
Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
	5/23/2011	200.7/200.8	0.068	0.13	<0.01	<0.03	<0.03	<0.1	<0.025	1.9	<0.25	<0.025	<0.01	<0.05
	11/16/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	0.19	<0.05	2.3	<0.5	<0.05	0.003	<0.5
	8/2/2010	6010B	<0.4	<0.4	<0.04	<0.12	<0.12	<0.2	<0.1	3.4	<1.0	<0.1	0.003	<1.0
	4/20/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	<0.1	<0.025	2.5	<0.25	<0.025	2.28E-03	<0.25
EP-8	9/1/2015	200.7/200.8	0.15	0.17	<0.01	0.035	<0.03	<0.1	<0.05	0.38	0.18	<0.025	<0.05	0.051
	3/25/2015	200.7/200.8	<0.2	0.15	<0.01	<0.03	<0.03	<0.1	<0.2	0.53	<0.2	<0.025	<0.01	<0.05
	11/12/2014	200.7/200.8	0.11	0.17	<0.01	<0.03	<0.03	0.23	<0.02	0.77	<0.2	<0.025	<0.02	<0.05
	3/5/2014	200.7/200.8	0.11	0.11	<0.01	<0.03	<0.03	0.14	<0.1	2.1	0.12	<0.025	<0.1	<0.05
	10/15/2013	200.7/200.8	0.37	0.22	<0.01	0.039	<0.03	<0.1	0.064	18	0.47	<0.1	<0.05	<0.05
	5/28/2013	200.7/200.8	0.11	0.12	<0.01	<0.03	<0.03	<0.1	<0.02	3.0	0.088	<0.025	<0.02	<0.05
	11/6/2012	200.7/200.8	0.47	0.26	<0.04	<0.12	<0.12	<0.4	<0.1	36	<1.0	<0.1	1.1E-03	<0.2
	5/29/2012	200.7/200.8	0.16	0.18	<0.02	<0.06	<0.06	<0.2	<0.05	7.3	0.13	<0.05	<0.02	<0.1
	11/1/2011	200.7/200.8	0.05	0.13	<0.01	<0.03	<0.03	<0.1	<0.025	1.1	0.03	<0.025	<0.02	<0.05
	5/23/2011	200.7/200.8	0.38	0.25	<0.02	<0.06	<0.06	<0.1	<0.05	20	<0.5	<0.05	<0.05	<0.1
	11/16/2010	6010B	<0.4	<0.4	<0.04	<0.12	<0.12	0.11	<0.1	9.1	<1.0	<0.1	0.003	1.0
	8/2/2010	6010B	0.77	<0.4	<0.04	<0.12	<0.12	<0.2	<0.1	22	<1.0	<0.1	0.001	1.0
	4/20/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	0.26	<0.05	10	<0.05	<0.05	1.66E-03	<0.5
EP-9	9/1/2015	200.7/200.8	0.12	0.2	<0.01	0.064	<0.03	<0.1	<0.05	0.35	0.15	<0.025	<0.05	<0.05
	3/25/2015	200.7/200.8	<0.2	0.17	<0.01	<0.03	<0.03	<0.1	<0.2	0.52	<0.2	<0.025	<0.01	0.079
	11/13/2014	200.7/200.8	0.16	0.25	<0.01	<0.03	<0.03	<0.1	<0.05	0.18	<0.5	<0.025	<0.05	0.051
	3/5/2014	200.7/200.8	0.1	0.19	<0.01	<0.03	<0.03	0.14	<0.1	2.8	0.13	<0.025	<0.1	<0.05
	10/15/2013	200.7/200.8	0.1	0.19	<0.01	<0.03	<0.03	<0.1	<0.025	3.3	0.15	<0.025	<0.05	<0.05
	5/28/2013	200.7/200.8	0.07	0.19	<0.01	<0.03	<0.03	<0.01	<0.02	3.0	0.091	<0.05	<0.02	<0.05
	11/6/2012	200.7/200.8	0.048	0.17	<0.02	<0.06	<0.06	<0.2	<0.05	0.92	<0.5	<0.05	<0.01	<0.1
	5/29/2011	200.7/200.8	0.086	0.18	<0.02	<0.06	<0.06	<0.2	<0.05	4.8	0.084	<0.05	<0.02	<0.1
	11/1/2011	200.7/200.8	0.089	0.2	<0.01	<0.03	<0.03	<0.1	<0.025	1.3	0.057	<0.025	<0.05	<0.05
	5/23/2011	200.7/200.8	0.083	0.21	<0.01	<0.03	<0.03	<0.1	<0.025	6.8	<0.25	<0.025	<0.02	<0.05
	11/16/2010	6010B	<0.4	<0.4	<0.04	<0.12	<0.12	<0.4	<0.1	5.3	<1.0	<0.1	0.003	<1.0
EP-9	4/20/2010	6010B	<0.2	0.14	<0.01	<0.03	<0.03	0.17	<0.025	2.6	<0.25	<0.025	2.21E-03	<0.25
EP-11	9/1/2015	200.7/200.8	0.15	0.16	<0.01	0.042	<0.03	<0.1	<0.05	0.4	0.17	<0.025	<0.05	<0.05
	3/25/2015	200.7/200.8	<0.2	0.15	<0.01	<0.03	<0.03	<0.2	<0.2	0.5	<0.2	<0.025	<0.01	<0.05
	11/12/2014	200.7/200.8	0.1	0.16	<0.01	<0.03	<0.03	0.31	<0.02	1.0	<0.5	<0.025	<0.05	0.061
	3/5/2014	200.7/200.8	0.04	0.074	<0.002	0.011	<0.006	0.48	<0.01	0.99	0.039	<0.025	<0.01	0.013
	10/15/2013	200.7/200.8	<0.05	0.067	<0.002	9.6E-03	<0.006	0.21	<0.005	0.41	<0.05	<0.05	<0.05	<0.01
	5/28/2013	200.7/200.8	0.04	0.068	<0.01	<0.03	<0.03	<0.1	<0.01	0.48	0.022	<0.025	<0.01	<0.05
	11/6/2012	200.7/200.8	0.013	0.056	<0.002	<0.006	<0.006	0.79	<0.005	0.4	0.011	<0.005	1.2E-03	0.043
	5/29/2011	200.7/200.8	0.03	0.081	<0.002	0.011	<0.006	0.16	<0.005	0.78	0.019	<0.005	<0.01	0.023
	11/1/2011	200.7/200.8	0.008	0.068	<0.002	<0.006	<0.006	0.89	<0.005	0.19	7.9E-03	<0.005	<0.005	0.015
	5/23/2011	200.7/200.8	0.055	0.087	<0.01	<0.03	<0.03	0.066	<0.025	0.89	<0.25	<0.025	<0.01	<0.05
	11/16/2010	6010B	<0.1	0.12	<0.01	<0.03	<0.03	0.48	<0.025	0.64	<0.25	<0.025	0.002	<0.25
	4/20/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.15	<0.025	1.6	<0.25	<0.025	2.11E-03	<0.25
EP-12A	9/1/2015	200.7/200.8	0.026	0.09	<0.002	0.017	<0.006	0.17	<0.0025	0.14	0.031	<0.005	2.5E-03	<0.01
	3/25/2015	200.7/200.8	<0.2	0.076	<0.002	0.01	<0.006	0.48	<0.2	0.088	<0.2	<0.005	<0.01	0.01

8.16.3 EVAPORATION PONDS (EP-1 thru EP-12B)
Dissolved Metals Analytical Result Summary

			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	NE	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0812	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.094	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD												
	11/12/2014	200.7/200.8	0.021	0.11	<0.02	<0.06	<0.06	2.2	<0.02	0.43	<0.02	<0.05	<0.02	<0.1
	3/5/2014	200.7/200.8	0.016	0.055	<0.002	0.011	<0.006	1.4	<0.01	1.0	0.017	<0.005	<0.01	
	10/15/2013	200.7/200.8	<0.05	0.066	<0.002	9.8E-03	<0.006	0.53	<0.005	0.37	<0.05	<0.025	<0.05	0.013
	5/28/2013	200.7/200.8	0.015	0.057	<0.01	<0.03	<0.03	0.49	<0.01	0.25	0.018	<0.025	<0.01	0.069
	11/6/2012	200.7/200.8	0.012	0.057	<0.002	<0.006	<0.006	0.7	<0.005	0.38	0.01	<0.005	1.2E-03	0.05
	5/29/2012	200.7/200.8	0.026	0.075	<0.002	0.011	<0.006	0.16	<0.005	0.73	0.018	<0.005	<0.01	0.08
	11/1/2011	200.7/200.8	7.2E-03	0.058	<0.002	<0.006	<0.006	1.0	<0.005	0.13	5.9E-03	<0.005	<0.005	0.022
	5/23/2011	200.7/200.8	0.025	0.063	<0.002	0.021	<0.006	0.098	<0.005	0.31	<0.05	<0.005	<0.005	0.017
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.4	<0.025	0.27	<0.25	<0.025	0.002	<0.25
	4/20/2010	6010B	<0.2	0.074	<0.002	<0.006	<0.006	0.55	<0.005	0.28	<0.05	<0.005	1.66E-03	<0.05
EP-12B	9/1/2015	200.7/200.8	0.01	0.12	<0.002	9.2E-03	<0.006	0.35	<0.01	0.27	0.014	<0.005	<0.01	0.015
	3/25/2015	200.7/200.8	<0.2	0.11	<0.005	0.011	<0.006	1.1	<0.2	0.22	0.2	<0.005	<0.01	0.016
	11/12/2014	200.7/200.8	<0.02	0.076	<0.002	0.01	<0.006	1.3	<0.02	0.24	<0.02	<0.005	<0.02	0.023
	3/5/2014	200.7/200.8	0.012	0.073	<0.002	0.013	<0.006	0.61	<0.01	0.57	0.017	<0.005	<0.01	<0.01
	10/15/2013	200.7/200.8	<0.05	0.074	<0.002	8.3E-03	<0.006	0.26	<0.005	0.2	<0.05	<0.005	<0.05	0.016
	5/28/2013	200.7/200.8	<0.01	0.052	<0.01	<0.03	<0.03	0.78	<0.01	0.27	0.014	<0.025	<0.01	<0.05
	11/6/2012	200.7/200.8	0.013	0.042	<0.002	6.8E-03	<0.006	1.1	<0.005	0.52	0.012	<0.005	8.2E-03	0.072
	5/29/2012	200.7/200.8	0.019	0.067	<0.002	7.1E-03	<0.006	0.18	<0.005	0.11	0.024	<0.005	<0.01	0.015
	11/1/2011	200.7/200.8	6.5E-03	0.055	<0.002	<0.006	<0.006	0.98	<0.005	0.12	5.8E-03	<0.005	<0.005	0.024
	5/23/2011	200.7/200.8	0.015	0.05	<0.002	0.022	<0.006	0.27	<0.005	0.27	<0.05	<0.005	<0.005	0.019
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.84	<0.025	0.15	<0.25	<0.025	<0.001	<0.25
	4/20/2010	6010B	<0.2	0.064	<0.002	<0.006	<0.006	1.8	<0.005	0.35	<0.05	<0.005	2.97E-03	<0.05

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.16.4 EVAPORATION PONDS (EP-1 thru EP-12B)

Volatile Organic Compound Analytical Result Summary

			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	2-Butanone (mg/L)	Carbon disulfide (mg/L)	Chloroform (mg/L)	Chloromethane (mg/L)	n-Butyl benzene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	0.01	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	NE	NE	0.08	NE	NE
NMED Tap Water (JULY 2015)			NE	NE	1.65E-03	NE	NE	14.1	5.56	0.81	0.00229	0.0203	NE
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	1.7E-04	1.1E-03	0.0036	14.0	5.6	0.81	2.2E-04	0.19	1
SAMPLE ID	DATE SAMPLED	METHOD											
EP-1	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.41	<0.1	0.32	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.61	0.11	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	1.4	0.18	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	1.8	0.2	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	0.016	<0.005	0.016	0.044	0.07	0.73	0.086	<0.05	<0.005	<0.005	<0.005
	4/20/2010	8260B	5.5E-03	1.8E-03	0.011	0.027	0.045	1.7	0.1	<0.01	<0.01	<0.01	<0.01
EP-2	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.01	<0.1	<0.1	<0.01	<0.03	<0.03
	3/24/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.52	<0.1	<0.1	<0.1	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.01	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.67	<0.1	0.11	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.6	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	4.6	0.47	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	2.4	0.38	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.43	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.51	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	0.12	<0.01	<0.03	<0.01
EP-3	8/2/2010	8260B	<0.005	<0.0058	<0.01	<0.02	<0.02	0.27	<0.05	<0.05	<0.005	<0.005	<0.005
	4/20/2010	8260B	4.6E-03	1.4E-03	0.01	0.032	0.052	0.15	<0.01	0.021	<0.01	<0.01	<0.01
	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.3	<0.1	<0.01	<0.01	<0.03	<0.03
	3/24/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.01	0.28	<0.1	<0.1	<0.01	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.3	<0.1	<0.01	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.3	<0.1	0.14	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.16	<0.1	<0.01	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.2	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.24	<0.1	0.38	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.21	<0.1	<0.1	<0.01	<0.03	<0.01
EP-4	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.11	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8206B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	0.13	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.005	<0.005	<0.1	<0.02	<0.02	0.22	<0.05	<0.05	<0.005	<0.005	<0.005
	4/20/2010	8260B	<0.001	<0.001	2.3E-03	7.6E-03	0.012	0.21	0.014	0.043	<0.001	<0.001	<0.001
	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/24/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.31	<0.1	0.15	<0.01	<0.03	<0.01
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.12	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.12	<0.1	<0.1	<0.01	<0.03	<0.03
EP-4	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.13	<0.1	0.78	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.11	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.12	<0.1	0.14	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.1	0.011	<0.01	<0.001	<0.001	<0.001
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.005	7.3E-03	0.19	0.014	0.041	<0.001	<0.001	<0.001

8.16.4 EVAPORATION PONDS (EP-1 thru EP-12B)

Volatile Organic Compound Analytical Result Summary

			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	2-Butanone (mg/L)	Carbon disulfide (mg/L)	Chloroform (mg/L)	Chloromethane (mg/L)	n-Butyl benzene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	0.01	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	NE	NE	0.08	NE	NE
NMED Tap Water (JULY 2015)			NE	NE	1.65E-03	NE	NE	14.1	5.56	0.81	0.00229	0.0203	NE
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	1.7E-04	1.1E-03	0.0036	14.0	5.6	0.81	2.2E-04	0.19	1
SAMPLE ID	DATE SAMPLED	METHOD											
EP-5	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/24/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.28	<0.1	0.12	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.11	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	1.3	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	0.15	<0.01	<0.03	<0.01
EP-6	8/2/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.045	<0.1	<0.1	<0.01	<0.01	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	<0.004	4.6E-03	0.13	0.011	0.047	<0.001	<0.001	<0.001
	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/25/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.14	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	0.11	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.01	<0.001	<0.003	<0.001
EP-7	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.02	<0.1	<0.1	<0.01	<0.01	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.044	<0.1	<0.1	<0.001	<0.001	<0.001
	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/25/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
EP-8	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.061	<0.01	<0.01	<0.001	<0.001	<0.001
	4/20/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.023	<0.01	<0.01	<0.001	<0.001	<0.001
	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/25/2015	8260B	<0.01	<0.01	<0.02	<0.01	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
EP-8	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.1	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.1	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.1	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.066	<0.01	<0.01	<0.001	<0.001	<0.001

8.16.4 EVAPORATION PONDS (EP-1 thru EP-12B)

Volatile Organic Compound Analytical Result Summary

			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	2-Butanone (mg/L)	Carbon disulfide (mg/L)	Chloroform (mg/L)	Chloromethane (mg/L)	n-Butyl benzene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	0.01	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	NE	NE	0.08	NE	NE
NMED Tap Water (JULY 2015)			NE	NE	1.65E-03	NE	NE	14.1	5.56	0.81	0.00229	0.0203	NE
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	1.7E-04	1.1E-03	0.0036	14.0	5.6	0.81	2.2E-04	0.19	1
SAMPLE ID	DATE SAMPLED	METHOD											
EP-9	4/20/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.038	<0.01	<0.01	<0.001	<0.001	<0.001
	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/25/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.015	<0.01	<0.01	<0.001	<0.001	<0.001
EP-11	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/25/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.12	<0.1	0.59	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.03	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.039	<0.01	<0.01	<0.001	<0.001	<0.001
EP-12A	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/25/2015	8260B	<0.10	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.1	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.17	<0.1	0.14	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.15	<0.1	0.61	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.16	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	0.1	<0.01	<0.03	<0.01
	4/20/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.13	0.011	0.034	<0.001	<0.001	<0.001
EP-12B	9/1/2015	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/25/2015	8260B	<0.01	<0.1	<0.02	<0.04	<0.04	0.13	<0.1	<0.1	<0.01	<0.03	<0.03
	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.28	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.53	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.24	<0.1	0.47	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.1	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.16	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.18	<0.1	0.17	<0.01	<0.03	<0.01
	4/20/2011	8260B	1.6E-03	<0.001	3.4E-03	0.012	0.019	0.3	0.025	0.035	<0.001	<0.001	<0.001

DEFINITIONS

8.16.4 EVAPORATION PONDS (EP-1 thru EP-12B)

Volatile Organic Compound Analytical Result Summary

	1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	2-Butanone (mg/L)	Carbon disulfide (mg/L)	Chloroform (mg/L)	Chloromethane (mg/L)	n-Butyl benzene (mg/L)
WQCC 20NMAC 6.2.3103	NE	NE	NE	NE	NE	NE	NE	NE	0.01	NE	NE
40 CFR 141.62 MCL (NOV 2015)	NE	NE	NE	NE	NE	NE	NE	NE	0.08	NE	NE
NMED Tap Water (JULY 2015)	NE	NE	1.65E-03	NE	NE	14.1	5.56	0.81	0.00229	0.0203	NE
EPA RSL for Tap Water (NOV 2015)	0.015	0.12	1.7E-04	1.1E-03	0.0036	14.0	5.6	0.81	2.2E-04	0.19	1
SAMPLE ID	DATE SAMPLED	METHOD									

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.16.5 EVAPORATION PONDS (EP-1 thru EP-12B)

Semi Volatile Organic Compound Analytical Result Summary

			Aniline (mg/L)	Benzoic acid (mg/L)	Benzyl alcohol (mg/L)	Bis(2-ethyl hexyl)phthalate (mg/L)	Carbazole (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	2-Nitrophenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)	
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE	NE	
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
NMED Tap Water (JULY 2015)			NE	NE	NE	0.0556	NE	0.354	0.288	NE	NE	NE	0.00165	NE	0.17	5.76	0.117	NE	
EPA RSL for Tap Water (NOV 2015)			0.013	75	2	0.0056	NE	0.36	0.29	0.036	0.93	0.93	1.7E-04	NE	NE	5.8	0.12	0.02	
SAMPLE ID	SAMPLE DATE	METHOD																	
EP-1	11/12/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.062	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/5/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	5/28/2013	8270C	<0.03	<0.06	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	
	11/6/2012	8270C	0.072	<0.1	<0.05	<0.05	<0.05	0.09	<0.05	<0.05	0.41	0.7	<0.05	<0.05	<0.05	1.4	<0.05	<0.05	
	5/29/2012	8270C	0.07	<0.1	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	0.31	0.7	<0.05	<0.05	0.051	1.1	<0.05	<0.05	
	11/1/2011	8270C	0.82	<0.1	<0.05	<0.05	<0.05	0.43	<0.05	<0.05	2.5	5.0	<0.05	<0.05	<0.05	9.7	<0.5	<0.05	
	5/23/2011	8270C	0.42	<0.1	<0.05	<0.05	<0.05	0.26	<0.05	<0.05	2.0	3.6	<0.05	<0.05	<0.05	6.4	<0.5	<0.05	
	11/16/2010	8270C	0.6	<0.02	<0.01	<0.01	0.017	0.36	0.017	0.18	2.1	4.2	0.025	<0.1	0.11	8.5	0.012	<0.01	
	4/20/2010	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	0.063	<0.05	0.075	<0.05	<0.05	<0.05	<0.05	0.11	0.091	<0.05	<0.05	
EP-2	9/1/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.068	<0.01	<0.01	<0.01	<0.01	0.22	<0.01	<0.01
	3/24/2015	8270C	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	11/12/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.058	<0.05	<0.05	
	3/5/2014	8270C	0.044	0.097	<0.01	<0.01	<0.01	0.029	<0.01	<0.01	0.14	0.35	<0.01	<0.01	<0.01	<0.01	0.87	<0.01	<0.01
	10/15/2013	8270C	<0.01	0.057	<0.01	<0.01	<0.01	0.015	<0.01	<0.01	0.082	0.2	<0.01	<0.01	<0.01	<0.01	0.42	<0.01	<0.01
	5/28/2013	8270C	0.16	<0.04	<0.02	<0.02	<0.02	0.38	<0.02	<0.02	2.2	4.3	<0.02	<0.02	<0.02	7.4	<0.02	<0.02	
	11/6/2012	8270C	0.11	<0.1	<0.05	<0.05	<0.05	0.16	<0.05	<0.05	0.92	1.3	<0.05	<0.05	<0.05	2.3	<0.05	<0.05	
	5/29/2012	8270C	0.11	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.58	0.81	<0.05	<0.05	<0.05	1.7	<0.05	<0.05	
	11/1/2011	8270C	0.25	<0.1	<0.05	<0.05	<0.05	0.16	<0.05	<0.05	1.1	2.0	<0.05	<0.05	<0.05	3.6	<0.05	<0.05	
	5/23/2011	8270C	0.27	<0.02	0.02	0.013	<0.01	0.18	<0.01	<0.01	1.2	2.5	<0.01	<0.01	<0.01	2.7	<0.01	<0.01	
	11/16/2010	8270C	0.48	<0.02	0.011	<0.05	0.01	0.24	<0.05	0.089	1.5	2.1	0.027	<0.01	0.014	3.3	<0.01	0.011	
	4/20/2010	8270C	<0.05	0.16	<0.05	<0.05	<0.05	0.06	<0.05	0.075	0.88	1.4	<0.05	0.073	0.1	2.8	<0.05	<0.05	
EP-3	9/1/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01		
	3/24/2015	8270C	<0.01	<0.02	<0.01	0.019	<0.01	<0.01	<0.01	<0.01	<0.01	0.012	<0.01	<0.01	<0.01	<0.01	0.34		
	11/12/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		
	3/5/2014	8270C	0.045	<0.02	<0.01	<0.01	<0.01	0.026	<0.01	<0.01	0.11	0.29	<0.01	<0.01	<0.01	<0.01	0.79		
	10/15/2013	8270C	<0.05	<0.2	<0.05	<0.05	<0.05	0.059	<0.05	<0.05	0.25	0.45	<0.05	<0.05	<0.05	<0.05	1.0		
	5/28/2013	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.96	1.9	<0.05	<0.05	<0.05	<0.05	3.7		
	11/6/2012	8270C	0.12	<0.04	0.026	<0.02	<0.02	0.1	<0.02	<0.02	0.52	0.96	<0.02	<0.02	<0.02	2.0	2.0		
	5/29/2012	8270C	<0.1	<0.02	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	0.87	1.6	<0.1	<0.1	<0.1	3.3	3.3		
	11/1/2011	8270C	0.21	<0.1	<0.05	<0.05	<0.05	0.16	<0.05	<0.05	1.1	1.5	<0.05	<0.05	<0.05	<0.5	2.9		
	5/23/2011	8270C	0.083	<0.02	<0.01	<0.01	<0.01	0.092	<0.01	<0.01	0.63	1.6	<0.01	<0.01	<0.01	1.6	1.6		
	11/16/2010	8270C	0.26	<0.02	<0.01	<0.01	<0.01	0.14	<0.05	0.026	0.91	1.9	<0.01	<0.01	<0.01	2.4	2.4		
	4/20/2010	8270C	0.22	<0.1	<0.05	<0.05	<0.05	0.094	<0.05	<0.05	0.77	1.2	<0.05	<0.05	<0.05	2.8	2.8		
EP-4	9/1/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.045	<0.01	<0.01	<0.01	<0.01	<0.01		
	3/24/2015	8270C	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
	11/12/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		
	3/5/2014	8270C	0.04	<0.02	<0.01	<0.01	<0.01	0.022	<0.01	<0.01	0.08	0.21	<0.01	<0.01	<0.01	<0.01	0.42		
	10/15/2013	8270C	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.18	0.34	<0.05	<0.05	<0.05	<0.05	0.67		
	5/28/2013	8270C	0.029	<0.04	<0.02	<0.02	<0.02	0.071	<0.02	<0.02	0.48	1.0	<0.02	<0.02	<0.02	1.4	1.4		
	11/6/2012	8270C	0.06	<0.1	<0.05	<0.05	<0.05	0.072	<0.05	<0.05	0.29	0.53	<0.05	<0.05	<0.05	<0.05	1.1		
	5/29/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.78	1.2	<0.05	<0.05	<0.05	<0.05	2.9		
	11/1/2011	8270C	0.067	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.64	0.84	<0.05	<0.05	<0.05	<0.05	1.1		
	5/23/2011	8270C	0.22	<0.02	<0.01	<0.01	<0.01	0.28	<0.01	<0.01	1.2	2.8	<0.01	<0.01	<0.01	2.3	2.3		
	11/16/2010	8270C	0.21	<0.02	<0.01	0.015	<0.01	0.11	<0.05	<0.01	0.55	1.3	<0.01	<0.01	<0.01	1.6	1.6		
	4/20/2010	8270C	0.18	<0.1	<0.05	<0.05	<0.05	0.073	<0.05	<0.05	0.62	0.96	<0.05	<0.05	<0.05	2.1	2.1		
EP-5	9/1/2015	8270C	<0.012	<0.024	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012		
	3/24/2015	8270C	<0.01	<0.02	<0.01	0.016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	11/12/2014	8270C	<0.01	<0.02	<0.01	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	3/5/2014	8270C	0.023	<0.02	<0.01	<0.01	<0.01	0.018	<0.01	<0.01	0.082	0.							

Semi Volatile Organic Compound Analytical Result Summary

[illegible]

8.16.5 EVAPORATION PONDS (EP-1 thru EP-12B)
Semi Volatile Organic Compound Analytical Result Summary

			Aniline (mg/L)	Benzoic acid (mg/L)	Benzyl alcohol (mg/L)	Bis(2-ethyl hexyl)phthalate (mg/L)	Carbazole (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	2-Nitrophenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE	NE
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			NE	NE	NE	0.0556	NE	0.354	0.288	NE	NE	NE	0.00165	NE	0.17	5.76	0.117	NE
EPA RSL for Tap Water (NOV 2015)			0.013	75	2	0.0056	NE	0.36	0.29	0.036	0.93	0.93	1.7E-04	NE	NE	5.8	0.12	0.02
SAMPLE ID	SAMPLE DATE	METHOD																
EP-12B	11/16/2010	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	4/20/2010	8270C	0.067	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	0.17	<0.05	<0.05	<0.05	0.016		
	9/1/2015	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.034	<0.01	<0.01	<0.01	0.086		
	3/25/2014	8270C	<0.10	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.01	0.21		
	11/12/2014	8270C	<0.01	<0.02	<0.01	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	3/5/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.079	<0.05	<0.05	<0.05	0.6		
	10/15/2013	8270C	<0.05	<0.2	<0.05	<0.05	<0.05	0.068	<0.05	<0.05	0.34	0.73	<0.05	<0.05	<0.05	1.5		
	5/28/2013	8270C	0.11	<0.04	<0.02	<0.02	<0.02	0.2	<0.02	<0.02	1.4	3.5	<0.02	<0.02	<0.02	5.5		
	11/6/2012	8270C	0.093	<0.1	<0.05	<0.05	<0.05	0.089	<0.05	<0.05	0.46	0.96	<0.05	<0.05	<0.05	1.8		
	5/29/2012	8270C	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.33	0.56	<0.1	<0.1	<0.1	1.1		
	11/1/2011	8270C	0.023	<0.02	<0.01	<0.01	<0.01	0.021	<0.01	<0.01	0.13	0.19	<0.01	<0.01	<0.01	0.34		
	5/23/2011	8270C	0.15	<0.02	<0.01	<0.01	<0.01	0.19	<0.01	<0.01	1.1	2.1	<0.01	<0.01	<0.01	2.1		
	11/16/2010	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.066	0.078	<0.01	<0.01	<0.01	0.2		
	4/20/2010	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.92	1.2	<0.05	<0.05	<0.05	2.7		

DEFINITIONS
NE = Not established
NA = Not analyzed
Bold and highlighted values represent values above the applicable standards

STANDARDS
WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
a) Human Health Standards; b) Other Standards for Domestic Water
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table
NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.17 BOILER WATER TO EP-2 (BW to EP-2)

General Chemistry and Total Recoverable Metals Analytical Result Summary

			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	NE	NE	NE	NE
40 CFR 141.62 MCL (NOV 2015)			4.0	NE	NE	1	10	NE	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			1.18	NE	NE	1.97	31.6	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			0.8	NE	NE	2	32	NE	NE	NE	NE	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD											
BW to EP-2	3/23/2015	300.0/200.7	0.59	81	0.28	<1.0	<1.0	<10	2000	5.4	1.0	13	1400
	11/12/2014	300.0/200.7	<0.1	4100	0.15	<2.0	0.78	<0.5	990	19	5.1	7.5	680
	3/5/2014	300.0/200.7	<0.1	2800	0.13	<2.0	<0.1	<0.5	870	110	18.0	22	2300
	10/15/2013	300.0/200.7	0.55	64	0.24	<1.0	<1.0	<10	1900	4.3	2.0	11	1300
	5/28/2013	300.0/200.7	<1.0	60	<1.0	<1.0	<1.0	<5.0	1700	2.3	<1.0	13	1400
	11/6/2012	300.0/200.8	1.4	49	<0.5	<0.5	<0.5	<2.5	1900	1.4	<1.0	7.1	1200
	5/29/2012	300.0/200.9	0.82	60	<0.5	<1.0	<1.0	<2.5	1700	4.5	<1.0	2.8	1300
	11/1/2011	300.0/200.10	0.9	56	<0.5	<1.0	<1.0	<2.5	1800	3.9	1.9	380	1100
	5/23/2011	300.0/200.11	0.75	69	0.2	<0.01	0.32	<0.5	1600	3.7	<1.0	2.8	1000
	11/16/2010	300.0/6010B	<0.2	53000	<5.0	<200	<200	<25	1200	1600	250	130	26000
	6/28/2010	300.0/6010B	0.27	71	<0.1	<0.1	<0.1	<0.5	500	1.7	<1.0	2.1	380
	4/20/2010	300.0/6010B	0.64	68	0.24	<0.1	0.31	<0.5	1400	2.5	<1.0	15	970

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

8.18 STP-1 TO EP-2 (EP-2 INLET)

BTEX, DRO/GRO, TDS Analytical Result Summary

			Parameters								
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	TDS (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	NE	NE	NE	1000
40 CFR 141.62 MCL (NOV 2015)			0.005	1.0	0.7	10	NE	NE	NE	NE	NE
NMED Tap Water (JULY 2015)			0.00454	1.09	0.0149	0.193	0.143	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2015)			4.6E-04	1.1	0.0015	0.19	0.014	NE	NE	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD									
STP-1 TO EP-2 (EP-2 Inlet)	8/24/2015	8260B/8015B	<0.002	<0.002	<0.002	<0.003	<0.002	2.3	0.13	<5.0	2420
	9/10/2014	8260B/8015B	0.018	<0.002	<0.002	<0.003	<0.002	2.4	<0.5	<5.0	2590
	9/5/2013	8260B/8015B	0.033	0.013	<0.01	<0.015	<0.01	3.3	<0.5	<5.0	2340
	8/21/2012 ¹	8260B/8015B	<0.001	<0.001	<0.001	<0.0015	<0.001	<1.0	<0.05	<5.0	3720
	10/31/2011	8260B/8015B	<0.005	6.3E-03	<0.005	<0.0075	<0.005	39	1.7	6.9	6730
	7/21/2010	8260B/8015B	<0.005	<0.005	<0.005	<0.0075	<0.005	21	0.83		4120

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Sample taken from inlet from STP-1. No flow to aeration lagoons - diverted to Waste Water Treatment Plant.

NOTES

8.18.1 STP-1 TO EP-2 (EP-2 INLET)
BOD/COD Analytical Result Summary

			Parameters	
			BOD (mg/L)	COD (mg/L)
20NMAC 6.2.2101			<30	<125
SAMPLE ID	DATE SAMPLED	METHOD		
STP-1 TO EP-2 (EP-2 Inlet)	8/24/2015	SM5210B/5220C	380	80.6
	11/12/2014	SM5210B/5220C	630	1300
	9/10/2014	SM5210B/5220C	270	1500
	9/5/2013	SM5210B/5220C	670	1200
	8/21/2012 ¹	SM5210B/5220C	<2.0	<10.0
	10/31/2011	SM5210B/5220C	410	1520
	7/21/2010	SM5210B/5220C	1400	3200
	6/18/2009	SM5210B/5220C	191	1149
	8/22/2008	SM5210B/5220C	348	1540
	3/26/2008	SM5210B/5220C	649	1430
	3/20/2008	SM5210B/5220C	344	829
	3/11/2008	SM5210B/5220C	651	1150
	3/6/2008	SM5210B/5220C	947	1520
	2/28/2008	SM5210B/5220C	46.1	2440
	2/21/2008	SM5210B/5220C	>394	1950
	2/14/2008	SM5210B/5220C	570	2290
	2/7/2008	SM5210B/5220C	671	2570
	1/31/2008	SM5210B/5220C	414	1290
	1/25/2008	SM5210B/5220C	520	1200
	1/18/2008	SM5210B/5220C	462	1460
	1/11/2008	SM5210B/5220C	449	1350

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Sample taken from inlet from STP-1. No flow to aeration lagoons - diverted to Waste Water Treatment Plant.

8.18.2 STP-1 TO EP-2 (EP-2 INLET)

Volatile Organic Compound Analytical Result Summary

			Parameters													
			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	2-Butanone (mg/L)	Carbon Disulfide (mg/L)	Isopropyl benzene (mg/L)	4-Isopropyl toluene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)	2-Methyl phenol (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
40 CFR 141.62 MCL (NOV 2015)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
NMED Tap Water (JULY 2015)			NE	NE	0.00165	NE	NE	14.1	5.56	0.81	0.447	NE	NE	NE	NE	
EPA RSL for Tap Water (NOV 2015)			0.015	0.12	1.7E-04	1.1E-03	0.0036	14	5.6	0.81	0.45	NE	1	0.66	2	0.93
SAMPLE ID	DATE SAMPLED	METHOD														
STP-1 TO EP-2 (EP-2 Inlet)	8/24/2015	8260B	<0.002	<0.002	<0.004	<0.008	<0.008	0.25	<0.02	<0.02	<0.002	<0.002	<0.006	<0.002	<0.002	NA
	9/10/2014	8260B/8270C	<0.002	<0.002	<0.004	<0.008	<0.008	1.3	0.16	0.058	<0.002	<0.002	<0.006	<0.002	<0.002	0.022
	9/5/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	2.2	0.26	<0.1	<0.01	<0.01	<0.03	<0.01	<0.01	
	8/21/2012 ¹	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.01	<0.001	<0.001	<0.003	<0.001	<0.001	
	10/31/2011	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.86	0.14	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	
	7/21/2010	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.49	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Sample taken from inlet from STP-1. No flow to aeration lagoons - diverted to Waste Water Treatment Plant.

8.18.3 STP-1 TO EP-2 (EP-2 INLET)
TOTAL METALS ANALYSIS

			Parameters											
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	0.005	0.1	1.3	NE	0.015	NE	0.05	0.002	0.03	NE
NMED Tap Water (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.000626	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	6.3E-04	0.06	6
Well ID	DATE SAMPLED	METHOD												
STP-1 TO EP-2 (EP-2 Inlet)	11/12/2014	200.7/200.8	0.011	0.071	<0.002	0.013	0.0066	1.6	<0.001	0.18	<0.025	<0.0002	2.2E-03	0.044
	9/10/2014	200.7/200.8	0.014	9.8E-02	<0.002	0.017	<0.006	3.7	<0.001	0.18	2.1E-02	<0.0002	4.5E-03	0.12

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

1) Method 200.7/200.8 analysis requested as part of the annual sampling

8.18.4 STP-1 TO EP-2 (EP-2 INLET)
DISSOLVED METALS ANALYSIS

			Parameters										
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.03	10
40 CFR 141.62 MCL (NOV 2015)			0.01	2.0	NE	NE	NE	NE	0.015	NE	0.05	0.03	NE
NMED TAP WATER (JULY 2015)			0.000513	3.28	0.00624	0.00559	0.79	13.8	NE	2.02	0.0987	0.0592	5.96
EPA RSL for Tap Water (NOV 2015)			5.2E-05	0.38	9.2E-03	NE	0.8	14	0.015	0.43	0.1	0.06	6
Well ID	DATE SAMPLED	METHOD											
STP-1 TO EP-2 (EP-2 Inlet)	9/10/2014	200.7/200.8	0.011	0.087	<0.002	0.018	<0.006	3.5	<0.001	0.18	2.2E-02	2.8E-03	0.087

DEFINITIONS

NE = Not established

NA = Not analyzed

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NMED Risk Assessment Guidance for Investigations and Remediations Table A-1 (July 2015)

NOTES

SECTION 9 DATA TABLE
WELL DATA 2015 ANNUAL/QUARTERLY SAMPLING
DTB/DTW MEASUREMENTS

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	2014 Survey Ground Level Elevations (ft)	2014 Survey Well Casing Rim Elevations (ft)	2014 Survey Ground Elevation Inside Steel Sleeve (ft)	Stick-up length (ft)	2014 Survey Well Casing Bottom Elevations (ft)	Total Well Depth (ft)	Depth to SPH (ft)	SPH ² Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation ³ (ft)	Corrected Water Table ⁴ Elevation (factor 0.8) (ft)	Screened Interval Depth Top to Bottom (ft)	2012 Stratigraphic unit in which screen exists
11/10/2003	BW-1A ⁵	8/10/2015	2.00	6,883.17	6,885.12	6,884.93	1.95	6,847.50	46.06	N/A	N/A	DRY	DRY	N/A	30 - 35	Upper Sand
10/28/2003	BW-1B ⁵	8/10/2015	2.00	6,883.17	6,885.78	6,885.72	2.61	6,818.33	76.29	N/A	N/A	DRY	DRY	N/A	54.6 - 64.6	Chinle/Alluvium Interface
11/10/2003	BW-1C ⁵	8/10/2015	2.00	6,883.17	6,885.68	6,885.64	2.51	6,749.29	145.29	N/A	N/A	12.33	6,873.35	N/A	125 - 135	Sonsela
11/10/2003	BW-2A	8/10/2015	2.00	6,871.88	6,874.69	6,870.45	2.81	6,807.12	67.57	N/A	N/A	32.00	6,842.69	N/A	55 - 65	Upper Sand
10/28/2003	BW-2B	8/10/2015	2.00	6,871.66	6,874.50	6,870.06	2.84	6,782.24	92.26	N/A	N/A	28.00	6,846.50	N/A	80 - 90	Chinle/Alluvium Interface
10/28/2003	BW-2C	8/10/2015	2.00	6,872.90	6,875.30	6,872.02	2.40	6,722.46	152.84	N/A	N/A	20.56	6,854.74	N/A	139.5 - 149.5	Sonsela
6/15/2004	BW-3A	8/10/2015	2.00	6,875.94	6,878.39	6,875.08	2.45	6,826.04	52.35	N/A	N/A	DRY	DRY	N/A	39.5 - 49.5	Upper Sand
10/15/2003	BW-3B	8/10/2015	2.00	6,876.16	6,878.59	6,875.41	2.43	6,809.19	69.40	N/A	N/A	33.00	6,845.59	N/A	63 - 73	Chinle/Alluvium Interface
7/20/2004	BW-3C	8/10/2015	2.00	6,875.72	6,877.95	6,875.27	2.23	6,723.40	154.55	N/A	N/A	7.75	6,870.20	N/A	144.5 - 154.5	Sonsela
9/25/1981	OW-11	8/10/2015	4.00	6,922.05	6,923.51	6,921.80	1.46	6,857.72	65.79	N/A	N/A	19.30	6,904.21	N/A	43 - 65	Sonsela
12/15/1980	OW-12	8/13/2015	4.00	6,939.57	6,940.69	6,939.04	1.12	6,811.84	128.85	N/A	N/A	47.42	6,893.27	N/A	117.8 - 137.8	Sonsela
10/14/1981	MW-1	8/10/2015	5.00	6,876.63	6,878.12	6,876.79	1.49	6,747.29	130.83	N/A	N/A	6.90	6,871.22	N/A	117.72 - 127.72	Sonsela
10/15/1981	MW-2	8/10/2015	5.00	6,878.39	6,880.30	6,878.41	1.91	6,742.82	137.48	N/A	N/A	9.13	6,871.17	N/A	112 - 122	Sonsela
10/16/1981	MW-4	8/10/2015	5.00	6,879.89	6,881.63	6,879.34	1.74	6,759.91	121.72	N/A	N/A	7.30	6,874.33	N/A	101 - 121	Sonsela
7/21/1986	MW-5	8/10/2015	4.00	6,880.20	6,882.83	6,881.77	2.63	6,752.00	130.83	N/A	N/A	11.20	6,871.63	N/A	115 - 125	Sonsela
9/26/1985	SMW-2	8/10/2015	2.00	6,881.63	6,883.97	6,879.07	2.34	6,831.17	52.80	N/A	N/A	24.88	6,859.09	N/A	34.31 - 54.31	Chinle/Alluvium and Upper Sand
9/25/1985	SMW-4	8/10/2015	2.00	6,877.63	6,879.52	6,875.72	1.89	6,809.84	69.68	N/A	N/A	29.32	6,850.20	N/A	51.7 - 71.7	Chinle/Alluvium Interface
10/5/2009	OW-50	8/10/2015	2.00	6,912.63	6,914.21	6,911.46	1.58	6,850.21	64.00	N/A	N/A	16.47	6,897.74	N/A	48 - 63	Chinle/Alluvium Interface
10/5/2009	OW-52	8/10/2015	2.00	6,906.53	6,907.68	6,905.31	1.15	6,829.94	77.74	N/A	N/A	15.49	6,892.19	N/A	64 - 79	Chinle/Alluvium Interface
1/5/1981	OW-1	3/9/2015	4.00	6,866.32	6,866.62	6,866.44	0.30	6,772.07	94.55	N/A	N/A	0.00	6,866.62	N/A	89.3 - 99.3	Sonsela
		6/3/2015	4.00	6,866.32	6,866.62	6,866.44	0.30	6,772.07	94.55	N/A	N/A	0.00	6,866.62	N/A	89.3 - 99.3	Sonsela
		8/12/2015	4.00	6,866.32	6,866.62	6,866.44	0.30	6,772.07	94.55	N/A	N/A	0.00	6,866.62	N/A	89.3 - 99.3	Sonsela
		10/28/2015	4.00	6,866.32	6,866.62	6,866.44	0.30	6,772.07	94.55	N/A	N/A	0.00	6,866.62	N/A	89.3 - 99.3	Sonsela
11/25/1980	OW-10	3/9/2015	4.00	6,873.67	6,874.91	6,872.59	1.24	6,814.58	60.33	N/A	N/A	0.96	6,873.95	N/A	40 - 60	Sonslea
		6/3/2015	4.00	6,873.67	6,874.91	6,872.59	1.24	6,814.58	60.33	N/A	N/A	1.00	6,873.91	N/A	40 - 60	Sonsela
		8/12/2015	4.00	6,873.67	6,874.91	6,872.59	1.24	6,814.58	60.33	N/A	N/A	0.38	6,874.53	N/A	40 - 60	Sonsela
		10/28/2015	4.00	6,873.67	6,874.91	6,872.59	1.24	6,814.58	60.33	N/A	N/A	1.47	6,873.44	N/A	40 - 60	Sonsela
12/10/1980	OW-13	3/9/2015	4.00	6,918.95	6,920.07	6,915.33	1.12	6,820.92	99.15	N/A	N/A	21.92	6,898.15	N/A	78.2 - 98.2	Sonsela
		6/1/2015	4.00	6,918.95	6,920.07	6,915.33	1.12	6,820.92	99.15	N/A	N/A	21.76	6,898.31	N/A	78.2 - 98.2	Sonsela
		8/10/2015	4.00	6,918.95	6,920.07	6,915.33	1.12	6,820.92	99.15	N/A	N/A	22.14	6,897.93	N/A	78.2 - 98.2	Sonsela
		10/27/2015	4.00	6,918.95	6,920.07	6,915.33	1.12	6,820.92	99.15	N/A	N/A	22.10	6,897.97	N/A	78.2 - 98.2	Sonsela
12/17/1980	OW-14	3/9/2015	4.00	6,924.55	6,926.65	6,924.40	2.10	6,880.13	46.52	N/A	N/A	23.95	6,902.70	N/A	35 - 45	Chinle/Alluvium Interface
		6/1/2015	4.00	6,924.55	6,926.65	6,924.40	2.10	6,880.13	46.52	N/A	N/A	23.88	6,902.77	N/A	35 - 45	Chinle/Alluvium Interface
		8/10/2015	4.00	6,924.55	6,926.65	6,924.40	2.10	6,880.13	46.52	N/A	N/A	23.96	6,902.69	N/A	35 - 45	Chinle/Alluvium Interface
		10/27/2015	4.00	6,924.55	6,926.65	6,924.40	2.10	6,880.13	46.52	N/A	N/A	23.69	6,902.96	N/A	35 - 45	Chinle/Alluvium Interface

SECTION 9 DATA TABLE
WELL DATA 2015 ANNUAL/QUARTERLY SAMPLING
DTB/DTW MEASUREMENTS

Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	2014 Survey Ground Level Elevations (ft)	2014 Survey Well Casing Rim Elevations (ft)	2014 Survey Ground Elevation Inside Steel Sleeve (ft)	Stick-up length (ft)	2014 Survey Well Casing Bottom Elevations (ft)	Total Well Depth (ft)	Depth to SPH (ft)	SPH ² Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation ³ (ft)	Corrected Water Table ⁴ Elevation (factor 0.8) (ft)	Screened Interval Depth Top to Bottom (ft)	2012 Stratigraphic unit in which screen exists
8/23/1996	OW-29	3/9/2015	4.00	6,913.89	6,917.00	6,912.09	3.11	6,865.92	51.08	N/A	N/A	18.67	6,898.33	N/A	37.5 - 47.5	Chinle/Alluvium Interface
		6/1/2015	4.00	6,913.89	6,917.00	6,912.09	3.11	6,865.92	51.08	N/A	N/A	18.67	6,898.33	N/A	37.5 - 47.5	Chinle/Alluvium Interface
	OW-29	8/10/2015	4.00	6,913.89	6,917.00	6,912.09	3.11	6,865.92	51.08	N/A	N/A	18.94	6,898.06	N/A	37.5 - 47.5	Chinle/Alluvium Interface
		10/27/2015	4.00	6,913.89	6,917.00	6,912.09	3.11	6,865.92	51.08	N/A	N/A	18.72	6,898.28	N/A	37.5 - 47.5	Chinle/Alluvium Interface
8/28/1996	OW-30	3/9/2015	4.00	6,921.81	6,924.69	6,919.84	2.88	6,874.79	49.90	N/A	N/A	23.25	6,901.44	N/A	37.9 - 47.9	Chinle/Alluvium Interface
		6/1/2015	4.00	6,921.81	6,924.69	6,919.84	2.88	6,874.79	49.90	N/A	N/A	23.20	6,901.49	N/A	37.9 - 47.9	Chinle/Alluvium Interface
		8/10/2015	4.00	6,921.81	6,924.69	6,919.84	2.88	6,874.79	49.90	N/A	N/A	23.42	6,901.27	N/A	37.9 - 47.9	Chinle/Alluvium Interface
		10/27/2015	4.00	6,921.81	6,924.69	6,919.84	2.88	6,874.79	49.90	N/A	N/A	23.14	6,901.55	N/A	37.9 - 47.9	Chinle/Alluvium Interface
7/8/2004	GWM-1	3/10/2015	2.00	6,910.22	6,912.61	6,908.36	2.39	6,886.41	26.20	N/A	N/A	20.99	6,891.62	N/A	17.5 - 23.5	Chinle/Alluvium Interface
		6/2/2015	2.00	6,910.22	6,912.61	6,908.36	2.39	6,886.41	26.20	N/A	N/A	20.92	6,891.69	N/A	17.5 - 23.5	Chinle/Alluvium Interface
		8/11/2015	2.00	6,910.22	6,912.61	6,908.36	2.39	6,886.41	26.20	21.40	N/A ⁶	N/A	N/A	N/A	17.5 - 23.5	Chinle/Alluvium Interface
		8/24/2015	2.00	6,910.22	6,912.61	6,908.36	2.39	6,886.41	26.20	21.00	0.45	21.45	6,891.16	6891.52	17.5 - 23.5	Chinle/Alluvium Interface
		10/29/2015	2.00	6,910.22	6,912.61	6,908.36	2.39	6,886.41	26.20	21.13	0.34	21.47	6,891.14	6891.412	17.5 - 23.5	Chinle/Alluvium Interface
9/25/2005	GWM-2	3/10/2015	2.00	6,910.32	6,913.09	6,908.05	2.77	6,894.28	18.81	N/A	N/A	DRY	DRY	N/A	3.2 - 16.2	Chinle/Alluvium Interface
		6/2/2015	2.00	6,910.32	6,913.09	6,908.05	2.77	6,894.28	18.81	N/A	N/A	DRY	DRY	N/A	3.2 - 16.2	Chinle/Alluvium Interface
		8/11/2015	2.00	6,910.32	6,913.09	6,908.05	2.77	6,894.28	18.81	N/A	N/A	DRY	DRY	N/A	3.2 - 16.2	Chinle/Alluvium Interface
		10/29/2015	2.00	6,910.32	6,913.09	6,908.05	2.77	6,894.28	18.81	N/A	N/A	DRY	DRY	N/A	3.2 - 16.2	Chinle/Alluvium Interface
9/25/2005	GWM-3	3/10/2015	2.00	6,907.35	6,910.25	6,905.48	2.90	6,892.45	17.80	N/A	N/A	DRY	DRY	N/A	3 - 15	Chinle/Alluvium Interface
		6/2/2015	2.00	6,907.35	6,910.25	6,905.48	2.90	6,892.45	17.80	N/A	N/A	DRY	DRY	N/A	3 - 15	Chinle/Alluvium Interface
		8/11/2015	2.00	6,907.35	6,910.25	6,905.48	2.90	6,892.45	17.80	N/A	N/A	DRY	DRY	N/A	3 - 15	Chinle/Alluvium Interface
		10/29/2015	2.00	6,907.35	6,910.25	6,905.48	2.90	6,892.45	17.80	N/A	N/A	DRY	DRY	N/A	3 - 15	Chinle/Alluvium Interface
3/14/2008	NAPIS-1	3/10/2015	2.00	6,913.62	6,913.86	6,913.56	0.24	6,900.33	13.53	N/A	N/A	6.90	6,906.96	N/A	3.7 - 13.7	Chinle/Alluvium Interface
		6/2/2015	2.00	6,913.62	6,913.86	6,913.56	0.24	6,900.33	13.53	N/A	N/A	7.00	6,906.86	N/A	3.7 - 13.7	Chinle/Alluvium Interface
		8/10/2015	2.00	6,913.62	6,913.86	6,913.56	0.24	6,900.33	13.53	N/A	N/A	7.00	6,906.86	N/A	3.7 - 13.7	Chinle/Alluvium Interface
		10/28/2015	2.00	6,913.62	6,913.86	6,913.56	0.24	6,900.33	13.53	N/A	N/A	7.20	6,906.66	N/A	3.7 - 13.7	Chinle/Alluvium Interface
3/14/2008	NAPIS-2	3/10/2015	2.00	6,913.40	6,912.65	6,912.54	-0.75	6,899.04	13.61	N/A	N/A	8.44	6,904.21	N/A	4.2 - 14.2	Chinle/Alluvium Interface
		6/2/2015	2.00	6,913.40	6,912.65	6,912.54	-0.75	6,899.04	13.61	N/A	N/A	8.54	6,904.11	N/A	4.2 - 14.2	Chinle/Alluvium Interface
		8/10/2015	2.00	6,913.40	6,912.65	6,912.54	-0.75	6,899.04	13.61	N/A	N/A	8.40	6,904.25	N/A	4.2 - 14.2	Chinle/Alluvium Interface
		10/28/2015	2.00	6,913.40	6,912.65	6,912.54	-0.75	6,899.04	13.61	N/A	N/A	8.32	6,904.33	N/A	4.2 - 14.2	Chinle/Alluvium Interface
3/14/2008	NAPIS-3	3/10/2015	2.00	6,913.38	6,912.76	6,912.53	-0.62	6,882.34	30.42	N/A	N/A	9.59	6,903.17	N/A	25.4 - 30-4	Chinle/Alluvium Interface
		6/2/2015	2.00	6,913.38	6,912.76	6,912.53	-0.62	6,882.34	30.42	N/A	N/A	9.10	6,903.66	N/A	25.4 - 30-4	Chinle/Alluvium Interface
		8/10/2015	2.00	6,913.38	6,912.76	6,912.53	-0.62	6,882.34	30.42	N/A	N/A	8.49	6,904.27	N/A	25.4 - 30-4	Chinle/Alluvium Interface
		10/28/2015	2.00	6,913.38	6,912.76	6,912.53	-0.62	6,882.34	30.42	N/A	N/A	9.22	6,903.54	N/A	25.4 - 30-4	Chinle/Alluvium Interface
6/11/2007	KA-3	3/10/2015	2.00	6,913.29	6,912.52	6,912.20	-0.77	6,889.32	23.20	N/A	N/A	8.24	6,904.28	N/A	15 - 25	Chinle/Alluvium Interface
		6/2/2015	2.00	6,913.29	6,912.52	6,912.20	-0.77	6,889.32	23.20	N/A	N/A	8.59	6,903.93	N/A	15 - 25	Chinle/Alluvium Interface
		8/10/2015	2.00	6,913.29	6,912.52	6,912.20	-0.77	6,889.32	23.20	N/A	N/A	8.78	6,903.74	N/A	15 - 25	Chinle/Alluvium Interface
		10/28/2015	2.00	6,913.29	6,912.52	6,912.20	-0.77	6,889.32	23.20	N/A	N/A	8.20	6,904.32	N/A	15 - 25	Chinle/Alluvium Interface
7/17/2012	OAPIS-1	3/10/2015	2.00	6,914.37	6,916.73	6,916.50	2.36	6,888.37	28.30	N/A	N/A	11.84	6,904.89	N/A	16 - 26	Chinle/Alluvium Interface
		6/2/2015	2.00	6,914.37	6,916.73	6,916.50	2.36	6,888.37	28.30	N/A	N/A	12.01	6,904.72	N/A	17 - 26	Chinle/Alluvium Interface
		8/10/2015	2.00	6,914.37	6,916.73	6,916.50	2.36	6,888.37	28.30	N/A	N/A	11.33	6,905.40	N/A	18 - 26	Chinle/Alluvium Interface
		10/29/2015	2.00	6,914.37	6,916.73	6,916.50	2.36	6,888.37	28.30	N/A	N/A	11.02	6,905.71	N/A	19 - 26	Chinle/Alluvium Interface

SECTION 9 DATA TABLE WELL DATA 2015 ANNUAL/QUARTERLY SAMPLING DTB/DTW MEASUREMENTS																
Date of Installation	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	2014 Survey Ground Level Elevations (ft)	2014 Survey Well Casing Rim Elevations (ft)	2014 Survey Ground Elevation Inside Steel Sleeve (ft)	Stick-up length (ft)	2014 Survey Well Casing Bottom Elevations (ft)	Total Well Depth (ft)	Depth to SPH (ft)	SPH ² Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation ³ (ft)	Corrected Water Table ⁴ Elevation (factor 0.8) (ft)	Screened Interval Depth Top to Bottom (ft)	2012 Stratigraphic unit in which screen exists
3/28/1995	RW-1	3/23/2015	4.00	6,942.86	6,946.06	6,941.25	3.20	6,903.02	43.04	28.10	4.70	32.80	6,913.26	6917.02	25 - 40	Chinle/Alluvium Interface
		6/9/2015	4.00	6,942.86	6,946.06	6,941.25	3.20	6,903.02	43.04	27.70	4.40	32.10	6,913.96	6917.48	25 - 40	Chinle/Alluvium Interface
		8/23/2015	4.00	6,942.86	6,946.06	6,941.25	3.20	6,903.02	43.04	28.08	1.94	30.02	6,916.04	6917.59	25 - 40	Chinle/Alluvium Interface
		10/29/2015	4.00	6,942.86	6,946.06	6,941.25	3.20	6,903.02	43.04	27.65	2.45	30.10	6,915.96	6917.92	25 - 40	Chinle/Alluvium Interface
3/29/1995	RW-2	3/23/2015	4.00	6,926.40	6,928.53	6,925.02	2.13	6,888.73	39.80	N/A	N/A	23.52	6,905.01	N/A	26.1 - 36.1	Chinle/Alluvium Interface
		6/9/2015	4.00	6,926.40	6,928.53	6,925.02	2.13	6,888.73	39.80	N/A	N/A	23.02	6,905.51	N/A	26.1 - 36.1	Chinle/Alluvium Interface
		8/23/2015	4.00	6,926.40	6,928.53	6,925.02	2.13	6,888.73	39.80	N/A	N/A	23.37	6,905.16	N/A	26.1 - 36.1	Chinle/Alluvium Interface
		10/29/2015	4.00	6,926.40	6,928.53	6,925.02	2.13	6,888.73	39.80	N/A	N/A	22.80	6,905.73	N/A	26.1 - 36.1	Chinle/Alluvium Interface
8/27/1997	RW-5	3/23/2015	4.00	6,941.53	6,943.57	6,940.82	2.04	6,903.98	39.59	N/A	N/A	29.10	6,914.47	N/A	29.5 - 39.5	Chinle/Alluvium Interface
		6/9/2015	4.00	6,941.53	6,943.57	6,940.82	2.04	6,903.98	39.59	N/A	N/A	28.80	6,914.77	N/A	29.5 - 39.5	Chinle/Alluvium Interface
		8/23/2015	4.00	6,941.53	6,943.57	6,940.82	2.04	6,903.98	39.59	N/A	N/A	29.08	6,914.49	N/A	29.5 - 39.5	Chinle/Alluvium Interface
		10/29/2015	4.00	6,941.53	6,943.57	6,940.82	2.04	6,903.98	39.59	N/A	N/A	27.97	6,915.60	N/A	29.5 - 39.5	Chinle/Alluvium Interface
8/27/1997	RW-6	3/23/2015	4.00	6,941.96	6,944.01	6,941.49	2.05	6,903.11	40.90	N/A	N/A	29.18	6,914.83	N/A	28.5 - 38.5	Chinle/Alluvium Interface
		6/9/2015	4.00	6,941.96	6,944.01	6,941.49	2.05	6,903.11	40.90	N/A	N/A	28.68	6,915.33	N/A	28.5 - 38.5	Chinle/Alluvium Interface
		8/23/2015	4.00	6,941.96	6,944.01	6,941.49	2.05	6,903.11	40.90	N/A	N/A	29.06	6,914.95	N/A	28.5 - 38.5	Chinle/Alluvium Interface
		10/29/2015	4.00	6,941.96	6,944.01	6,941.49	2.05	6,903.11	40.90	N/A	N/A	27.97	6,916.04	N/A	28.5 - 38.5	Chinle/Alluvium Interface
5/6/2014	STP1-NW	3/10/2015	2.00	6,904.50	6,904.47	6,903.95	-0.03	6,854.47	50.00	N/A	N/A	20.74	6,883.73	N/A	20 - 50	Chinle/Alluvium Interface
		6/2/2015	2.00	6,904.50	6,904.47	6,903.95	-0.03	6,854.47	50.00	N/A	N/A	20.72	6,883.75	N/A	20 - 50	Chinle/Alluvium Interface
		8/11/2015	2.00	6,904.50	6,904.47	6,903.95	-0.03	6,854.47	50.00	N/A	N/A	20.79	6,883.68	N/A	20 - 50	Chinle/Alluvium Interface
		10/29/2015	2.00	6,904.50	6,904.47	6,903.95	-0.03	6,854.47	50.00	N/A	N/A	20.60	6,883.87	N/A	20 - 50	Chinle/Alluvium Interface
5/6/2014	STP1-SW	3/10/2015	2.00	6,912.40	6,912.38	6,911.95	-0.02	6,880.38	29.10	N/A	N/A	DRY	DRY	N/A	15 - 30	Chinle/Alluvium Interface
		6/2/2015	2.00	6,912.40	6,912.38	6,911.95	-0.02	6,880.38	29.10	N/A	N/A	DRY	DRY	N/A	15 - 30	Chinle/Alluvium Interface
		8/11/2015	2.00	6,912.40	6,912.38	6,911.95	-0.02	6,880.38	29.10	N/A	N/A	DRY	DRY	N/A	15 - 30	Chinle/Alluvium Interface
		10/29/2015	2.00	6,912.40	6,912.38	6,911.95	-0.02	6,880.38	29.10	N/A	N/A	DRY	DRY	N/A	15 - 30	Chinle/Alluvium Interface

DEFINITIONS:
DTB - Depth to Bottom
DTW - Depth to Water
SPH = Separate Phase Hydrocarbons

N/A = Not Applicable
Negative number in Stick Up Length column indicates well is flushmount and located at or below ground level.
Depth to Water Column - if 0.00 is indicated - means water is at top of casing (full). Dry indicates no water was detected.

- NOTES:**
- Elevation data from NMED's "Approval with Modifications, Requirement to Resurvey Ground water Monitoring Wells and Recovery Wells", dated 9/26/12.
 - Ground water elevation - Depth to SPH = SPH Column Thickness.
 - 2011 Survey Well Casing Rim elevation - depth to water measurement.
 - Corrected Water Table Elevation applies only if SPH thickness column measurement exists. (0.8 X SPH thickness + Ground Water Elevation)
5. BW-1A, B, C: Height and width of berm was increased where these wells are located for repairs. Berm work at all evaporation ponds from April through August for berm repairs (erosion). Casings were extended and all three wells were resurveyed by HEI (Hammon Enterprises Inc) upon completion.
6. No definitive measurement of DTW or SPH level was taken as a water level meter was used instead of an oil/water interface meter at initial discovery.

SECTION 9 DATA TABLE
WELL DATA 2015 ANNUAL/QUARTERLY SAMPLING
DTB/DTW MEASUREMENTS FOR MKTF 1 - MKTF 45 WELLS

Date of Installation	Date of Survey ¹	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevations (ft)	Well Casing Rim Elevations (ft)	Ground Elevation Inside Steel Sleeve (ft)	Stick-up length (ft)	Well Casing Bottom Elevation (ft)	Total Well Depth (ft)	Depth to ² SPH (ft)	SPH ³ Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected ⁴ Water Table Elevation (Factor 0.8) (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
11/14/2013	1/21/2014	MKTF-01	3/11/2015	4.00	6,918.28	6,920.67	6,920.67	2.39	6,903.25	17.42	N/A	N/A	5.85	6,914.82	N/A	5 - 15	Chinle/Alluvium Interface
			6/9/2015	4.00	6,918.28	6,920.67	6,920.67	2.39	6,903.25	17.42	N/A	N/A	7.15	6,913.52	N/A	5 - 15	Chinle/Alluvium Interface
			8/21/2015	4.00	6,918.28	6,920.67	6,920.67	2.39	6,903.25	17.42	N/A	N/A	6.23	6,914.44	N/A	5 - 15	Chinle/Alluvium Interface
			11/4/2015	4.00	6,918.28	6,920.67	6,920.67	2.39	6,903.25	17.42	N/A	N/A	5.87	6,914.80	N/A	5 - 15	Chinle/Alluvium Interface
11/14/2013	1/21/2014	MKTF-02	3/11/2015	4.00	6,915.00	6,917.45	6,917.18	2.45	6,896.97	20.48	N/A	N/A	6.88	6,910.57	N/A	7 - 17	Chinle/Alluvium Interface
			6/9/2015	4.00	6,915.00	6,917.45	6,917.18	2.45	6,896.97	20.48	N/A	N/A	7.55	6,909.90	N/A	7 - 17	Chinle/Alluvium Interface
			8/21/2015	4.00	6,915.00	6,917.45	6,917.18	2.45	6,896.97	20.48	N/A	N/A	7.30	6,910.15	N/A	7 - 17	Chinle/Alluvium Interface
			11/4/2015	4.00	6,915.00	6,917.45	6,917.18	2.45	6,896.97	20.48	N/A	N/A	7.25	6,910.20	N/A	7 - 17	Chinle/Alluvium Interface
11/7/2013	1/21/2014	MKTF-03	3/17/2015	4.00	6,931.73	6,931.69	6,930.85	-0.04	6,913.24	18.45	8.46	0.80	9.26	6,922.43	6923.07	3 - 18	Chinle/Alluvium Interface
			6/4/2015	4.00	6,931.73	6,931.69	6,930.85	-0.04	6,913.24	18.45	8.70	0.62	9.32	6,922.37	6922.87	3 - 18	Chinle/Alluvium Interface
			8/18/2015	4.00	6,931.73	6,931.69	6,930.85	-0.04	6,913.24	18.45	8.09	0.82	8.91	6,922.78	6923.44	3 - 18	Chinle/Alluvium Interface
			11/3/2015	4.00	6,931.73	6,931.69	6,930.85	-0.04	6,913.24	18.45	8.30	1.10	9.40	6922.29	6923.17	3 - 18	Chinle/Alluvium Interface
11/12/2013	1/21/2014	MKTF-04	3/16/2015	4.00	6,933.90	6,933.57	6,933.24	-0.33	6,911.42	22.15	N/A	N/A	10.25	6,923.32	N/A	10 - 22	Chinle/Alluvium Interface
			6/4/2015	4.00	6,933.90	6,933.57	6,933.24	-0.33	6,911.42	22.15	N/A	N/A	11.00	6,922.57	N/A	10 - 22	Chinle/Alluvium Interface
			8/18/2015	4.00	6,933.90	6,933.57	6,933.24	-0.33	6,911.42	22.15	N/A	N/A	10.64	6,922.93	N/A	10 - 22	Chinle/Alluvium Interface
			11/3/2015	4.00	6,933.90	6,933.57	6,933.24	-0.33	6,911.42	22.15	N/A	N/A	4.23	6,929.34	N/A	10 - 22	Chinle/Alluvium Interface
11/12/2013	1/21/2014	MKTF-05	3/16/2015	4.00	6,939.49	6,942.22	6,941.95	2.73	6,924.47	17.75	15.72	0.36	16.08	6,926.14	6926.43	4 - 14	Chinle/Alluvium Interface
			6/4/2015	4.00	6,939.49	6,942.22	6,941.95	2.73	6,924.47	17.75	15.77	0.63	16.40	6,925.82	6926.32	4 - 14	Chinle/Alluvium Interface
			8/18/2015	4.00	6,939.49	6,942.22	6,941.95	2.73	6,924.47	17.75	15.44	0.00	15.63	6,926.59	6926.59	4 - 14	Chinle/Alluvium Interface
			11/3/2015	4.00	6,939.49	6,942.22	6,941.95	2.73	6,924.47	17.75	15.47	0.84	16.31	6,925.91	6926.58	4 - 14	Chinle/Alluvium Interface
11/11/2013	1/21/2014	MKTF-06	3/16/2015	4.00	6,944.24	6,946.81	6,946.63	2.57	6,923.04	23.77	18.24	1.70	19.94	6,926.87	6928.23	8 - 20	Chinle/Alluvium Interface
			6/4/2015	4.00	6,944.24	6,946.81	6,946.63	2.57	6,923.04	23.77	18.56	0.84	19.40	6,927.41	6928.08	8 - 20	Chinle/Alluvium Interface
			8/15/2015	4.00	6,944.24	6,946.81	6,946.63	2.57	6,923.04	23.77	17.53	0.86	18.39	6,928.42	6929.11	8 - 20	Chinle/Alluvium Interface
			11/3/2015	4.00	6,944.24	6,946.81	6,946.63	2.57	6,923.04	23.77	18.04	0.74	18.78	6,928.03	6928.62	8 - 20	Chinle/Alluvium Interface
11/11/2013	1/21/2014	MKTF-07	3/16/2015	4.00	6,944.40	6,947.18	6,947.06	2.78	6,929.56	17.62	13.10	1.13	14.23	6,932.95	6933.85	4 - 14	Chinle/Alluvium Interface
			6/4/2015	4.00	6,944.40	6,947.18	6,947.06	2.78	6,929.56	17.62	12.95	1.65	14.60	6,932.58	6933.90	4 - 14	Chinle/Alluvium Interface
			8/18/2015	4.00	6,944.40	6,947.18	6,947.06	2.78	6,929.56	17.62	12.71	1.13	13.84	6,933.34	6934.24	4 - 14	Chinle/Alluvium Interface
			11/3/2015	4.00	6,944.40	6,947.18	6,947.06	2.78	6,929.56	17.62	12.90	1.98	14.88	6,932.30	6933.88	4 - 14	Chinle/Alluvium Interface
11/11/2013	1/21/2014	MKTF-08	3/16/2015	4.00	6,944.02	6,947.09	6,942.67	3.07	6,925.11	21.98	14.25	0.25	14.50	6,932.59	6932.79	8 - 18	Chinle/Alluvium Interface
			6/4/2015	4.00	6,944.02	6,947.09	6,942.67	3.07	6,925.11	21.98	14.35	0.56	14.91	6,932.18	6932.63	8 - 18	Chinle/Alluvium Interface
			8/18/2015	4.00	6,944.02	6,947.09	6,942.67	3.07	6,925.11	21.98	13.79	0.96	14.75	6,932.34	6933.11	8 - 18	Chinle/Alluvium Interface
			11/8/2015	4.00	6,944.02	6,947.09	6,942.67	3.07	6,925.11	21.98	13.84	1.48	15.32	6,931.77	6932.95	8 - 18	Chinle/Alluvium Interface
11/11/2013	1/21/2014	MKTF-09	3/16/2015	4.00	6,943.57	6,946.50	6,945.90	2.93	6,923.80	22.70	N/A	N/A	14.48	6,932.02	N/A	7 - 19	Chinle/Alluvium Interface
			6/4/2015	4.00	6,943.57	6,946.50	6,945.90	2.93	6,923.80	22.70	N/A	N/A	14.68	6,931.82	N/A	7 - 19	Chinle/Alluvium Interface
			8/18/2015	4.00	6,943.57	6,946.50	6,945.90	2.93	6,923.80	22.70	N/A	N/A	14.49	6,932.01	N/A	7 - 19	Chinle/Alluvium Interface
			11/3/2015	4.00	6,943.57	6,946.50	6,945.90	2.93	6,923.80	22.70	N/A	N/A	14.29	6,932.21	N/A	7 - 19	Chinle/Alluvium Interface
10/31/2013	1/21/2014	MKTF-10	3/16/2015	4.00	6,937.51	6,937.16	6,936.63	-0.35	6,921.17	15.99	N/A	N/A	8.96	6,928.20	N/A	7 - 17	Chinle/Alluvium Interface
			6/4/2015	4.00	6,937.51	6,937.16	6,936.63	-0.35	6,921.17	15.99	N/A	N/A	8.82	6,928.34	N/A	7 - 17	Chinle/Alluvium Interface
			8/18/2015	4.00	6,937.51	6,937.16	6,936.63	-0.35	6,921.17	15.99	N/A	N/A	8.72	6,928.44	N/A	7 - 17	Chinle/Alluvium Interface
			11/3/2015	4.00	6,937.51	6,937.16	6,936.63	-0.35	6,921.17	15.99	N/A	N/A	8.84	6,928.32	N/A	7 - 17	Chinle/Alluvium Interface

SECTION 9 DATA TABLE
WELL DATA 2015 ANNUAL/QUARTERLY SAMPLING
DTB/DTW MEASUREMENTS FOR MKTF 1 - MKTF 45 WELLS

Date of Installation	Date of Survey ¹	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevations (ft)	Well Casing Rim Elevations (ft)	Ground Elevation Inside Steel Sleeve (ft)	Stick-up length (ft)	Well Casing Bottom Elevation (ft)	Total Well Depth (ft)	Depth to ² SPH (ft)	SPH ³ Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected ⁴ Water Table Elevation (Factor 0.8) (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
10/31/2013	1/21/2014	MKTF-11	3/16/2015	4.00	6,931.61	6,931.34	6,930.86	-0.27	6,913.20	18.14	N/A	N/A	8.80	6,922.54	N/A	8 - 18	Chinle/Alluvium Interface
			6/4/2015	4.00	6,931.61	6,931.34	6,930.86	-0.27	6,913.20	18.14	N/A	N/A	9.00	6,922.34	N/A	8 - 18	Chinle/Alluvium Interface
			8/18/2015	4.00	6,931.61	6,931.34	6,930.86	-0.27	6,913.20	18.14	N/A	N/A	8.45	6,922.89	N/A	8 - 18	Chinle/Alluvium Interface
			11/3/2015	4.00	6,931.61	6,931.34	6,930.86	-0.27	6,913.20	18.14	N/A	N/A	8.63	6,922.71	N/A	8 - 18	Chinle/Alluvium Interface
11/7/2013	1/21/2014	MKTF-12	3/12/2015	4.00	6,939.70	6,942.11	6,941.88	2.41	6,916.51	25.60	19.13	1.81	20.94	6,921.17	6922.62	12 - 22	Chinle/Alluvium Interface
			6/9/2015	4.00	6,939.70	6,942.11	6,941.88	2.41	6,916.51	25.60	19.47	2.18	21.65	6,920.46	6922.20	12 - 22	Chinle/Alluvium Interface
			8/18/2015	4.00	6,939.70	6,942.11	6,941.88	2.41	6,916.51	25.60	19.46	0.53	19.99	6,922.12	6922.54	12 - 22	Chinle/Alluvium Interface
			11/3/2015	4.00	6,939.70	6,942.11	6,941.88	2.41	6,916.51	25.60	19.66	0.61	20.27	6,921.84	6922.33	12 - 22	Chinle/Alluvium Interface
11/12/2013	1/21/2014	MKTF-13	3/12/2015	4.00	6,933.67	6,935.18	6,934.83	1.51	6,913.93	21.25	13.75	2.07	15.82	6,919.36	6921.02	8 - 18	Chinle/Alluvium Interface
			6/9/2015	4.00	6,933.67	6,935.18	6,934.83	1.51	6,913.93	21.25	14.22	1.65	15.87	6,919.31	6920.63	8 - 18	Chinle/Alluvium Interface
			8/21/2015	4.00	6,933.67	6,935.18	6,934.83	1.51	6,913.93	21.25	13.94	1.68	15.62	6,919.56	6920.90	8 - 18	Chinle/Alluvium Interface
			11/3/2015	4.00	6,933.67	6,935.18	6,934.83	1.51	6,913.93	21.25	14.22	1.33	15.55	6,919.63	6920.69	8 - 18	Chinle/Alluvium Interface
11/12/2013	1/21/2014	MKTF-14	3/12/2015	4.00	6,925.65	6,928.02	6,927.80	2.37	6,910.56	17.46	7.60	0.55	8.15	6,919.87	6920.31	4 - 14	Chinle/Alluvium Interface
			6/9/2015	4.00	6,925.65	6,928.02	6,927.80	2.37	6,910.56	17.46	8.00	0.37	8.37	6,919.65	6919.95	4 - 14	Chinle/Alluvium Interface
			8/21/2015	4.00	6,925.65	6,928.02	6,927.80	2.37	6,910.56	17.46	7.61	0.42	8.03	6,919.99	6920.33	4 - 14	Chinle/Alluvium Interface
			11/3/2015	4.00	6,925.65	6,928.02	6,927.80	2.37	6,910.56	17.46	7.71	0.39	8.10	6,919.92	6920.23	4 - 14	Chinle/Alluvium Interface
10/29/2013	1/21/2014	MKTF-15	3/16/2015	2.00	6,943.74	6,943.48	6,943.19	-0.26	6,924.00	19.48	13.17	0.00	13.92	6,929.56	6929.56	9 - 19	Chinle/Alluvium Interface
			6/4/2015	2.00	6,943.74	6,943.48	6,943.19	-0.26	6,924.00	19.48	13.20	0.58	13.78	6,929.70	6930.16	9 - 19	Chinle/Alluvium Interface
			8/18/2015	2.00	6,943.74	6,943.48	6,943.19	-0.26	6,924.00	19.48	13.09	0.00	13.34	6,930.14	6930.14	9 - 19	Chinle/Alluvium Interface
			11/3/2015	2.00	6,943.74	6,943.48	6,943.19	-0.26	6,924.00	19.48	12.90	0.65	13.55	6,929.93	6930.45	9 - 19	Chinle/Alluvium Interface
11/7/2013	1/21/2014	MKTF-16	3/16/2015	2.00	6,951.00	6,950.58	6,950.58	-0.42	6,936.48	14.10	N/A	N/A	10.93	6,939.65	N/A	4 - 14	Chinle/Alluvium Interface
			6/8/2015	2.00	6,951.00	6,950.58	6,950.58	-0.42	6,936.48	14.10	N/A	N/A	8.86	6,941.72	N/A	4 - 14	Chinle/Alluvium Interface
			8/23/2015	2.00	6,951.00	6,950.58	6,950.58	-0.42	6,936.48	14.10	N/A	N/A	9.79	6,940.79	N/A	4 - 14	Chinle/Alluvium Interface
			11/3/2015	2.00	6,951.00	6,950.58	6,950.58	-0.42	6,936.48	14.10	N/A	N/A	9.49	6,941.09	N/A	4 - 14	Chinle/Alluvium Interface
11/14/2013	1/21/2014	MKTF-17	3/12/2015	2.00	6,945.79	6,945.76	6,945.64	-0.03	6,921.65	24.11	N/A	N/A	12.81	6,932.95	N/A	14 - 24	Chinle/Alluvium Interface
			6/8/2015	2.00	6,945.79	6,945.76	6,945.64	-0.03	6,921.65	24.11	N/A	N/A	13.40	6,932.36	N/A	14 - 24	Chinle/Alluvium Interface
			8/18/2015	2.00	6,945.79	6,945.76	6,945.64	-0.03	6,921.65	24.11	N/A	N/A	11.98	6,933.78	N/A	14 - 24	Chinle/Alluvium Interface
			11/3/2015	2.00	6,945.79	6,945.76	6,945.64	-0.03	6,921.65	24.11	N/A	N/A	12.34	6,933.42	N/A	14 - 24	Chinle/Alluvium Interface
11/15/2013	1/21/2014	MKTF-18	3/17/2015	2.00	6,950.97	6,950.65	6,950.17	-0.32	6,925.27	25.38	N/A	N/A	8.92	6,941.73	N/A	17 - 27	Chinle/Alluvium Interface
			6/8/2015	2.00	6,950.97	6,950.65	6,950.17	-0.32	6,925.27	25.38	N/A	N/A	8.86	6,941.79	N/A	17 - 27	Chinle/Alluvium Interface
			8/18/2015	2.00	6,950.97	6,950.65	6,950.17	-0.32	6,925.27	25.38	N/A	N/A	8.83	6,941.82	N/A	17 - 27	Chinle/Alluvium Interface
			11/3/2015	2.00	6,950.97	6,950.65	6,950.17	-0.32	6,925.27	25.38	N/A	N/A	8.52	6,942.13	N/A	17 - 27	Chinle/Alluvium Interface
11/5/2013	4/30/2014	MKTF-19	3/12/2015	2.00	6,944.89	6,944.67	6,944.34	-0.22	6,927.20	17.47	N/A	N/A	12.95	6,931.72	N/A	10 - 20	Chinle/Alluvium Interface
			6/8/2015	2.00	6,944.89	6,944.67	6,944.34	-0.22	6,927.20	17.47	N/A	N/A	12.76	6,931.91	N/A	10 - 20	Chinle/Alluvium Interface
			8/18/2015	2.00	6,944.89	6,944.67	6,944.34	-0.22	6,927.20	17.47	N/A	N/A	12.60	6,932.07	N/A	10 - 20	Chinle/Alluvium Interface
			11/3/2015	2.00	6,944.89	6,944.67	6,944.34	-0.22	6,927.20	17.47	N/A	N/A	12.84	6,931.83	N/A	10 - 20	Chinle/Alluvium Interface
2/10/2014	4/30/2014	MKTF-20	3/16/2015	4.00	6,951.89	6,951.78	6,951.17	-0.11	6,941.89	9.89	N/A	N/A	7.26	6,944.52	N/A	2 - 10	Chinle/Alluvium Interface
			6/8/2015	4.00	6,951.89	6,951.78	6,951.17	-0.11	6,941.89	9.89	N/A	N/A	7.89	6,943.89	N/A	2 - 10	Chinle/Alluvium Interface
			8/23/2015	4.00	6,951.89	6,951.78	6,951.17	-0.11	6,941.89	9.89	N/A	N/A	7.79	6,943.99	N/A	2 - 10	Chinle/Alluvium Interface
			11/9/2015	4.00	6,951.89	6,951.78	6,951.17	-0.11	6,941.89	9.89	N/A	N/A	7.78	6,944.00	N/A	2 - 10	Chinle/Alluvium Interface
2/10/2014	4/30/2014	MKTF-21	3/16/2015	4.00	6,952.68	6,952.57	6,952.00	-0.11	6,942.68	9.89	N/A	N/A	7.62	6,944.95	N/A	2 - 10	Chinle/Alluvium Interface
			6/10/2015	4.00	6,952.68	6,952.57	6,952.00	-0.11	6,942.68	9.89	N/A	N/A	7.96	6,944.61	N/A	2 - 10	Chinle/Alluvium Interface
			8/23/2015	4.00	6,952.68	6,952.57	6,952.00	-0.11	6,942.68	9.89	N/A	N/A	7.62	6,944.95	N/A	2 - 10	Chinle/Alluvium Interface
			11/9/2015	4.00	6,952.68	6,952.57	6,952.00	-0.11	6,942.68	9.89	N/A	N/A	7.46	6,945.11	N/A	2 - 10	Chinle/Alluvium Interface
11/8/2013	4/30/2014	MKTF-22	3/12/2015	2.00	6,939.76	6,942.31	6,938.57	2.55	6,907.06	35.25	N/A	N/A	26.07	6,916.24	N/A	22 - 32	Chinle/Alluvium Interface
			6/9/2015	2.00	6,939.76	6,942.31	6,938.57	2.55	6,907.06	35.25	N/A	N/A	26.18	6,916.13	N/A	22 - 32	Chinle/Alluvium Interface
			8/20/2015	2.00	6,939.76	6,942.31	6,938.57	2.55	6,906.06	36.25	N/A	N/A	26.20	6,916.11	N/A	22 - 32	Chinle/Alluvium Interface
			11/9/2015	2.00	6,939.76	6,942.31	6,938.57	2.55	6,907.06	35.25	N/A	N/A	26.05	6,916.26	N/A	22 - 32	Chinle/Alluvium Interface

SECTION 9 DATA TABLE
WELL DATA 2015 ANNUAL/QUARTERLY SAMPLING
DTB/DTW MEASUREMENTS FOR MKTF 1 - MKTF 45 WELLS

Date of Installation	Date of Survey ¹	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevations (ft)	Well Casing Rim Elevations (ft)	Ground Elevation Inside Steel Sleeve (ft)	Stick-up length (ft)	Well Casing Bottom Elevation (ft)	Total Well Depth (ft)	Depth to ² SPH (ft)	SPH ³ Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected ⁴ Water Table Elevation (Factor 0.8) (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
11/4/2013	4/30/2014	MKTF-23	3/12/2015	2.00	6,927.23	6,929.98	6,925.79	2.75	6,909.62	20.36	N/A	N/A	14.79	6,915.19	N/A	7 - 17	Chinle/Alluvium Interface
			6/9/2015	2.00	6,927.23	6,929.98	6,925.79	2.75	6,909.62	20.36	N/A	N/A	13.82	6,916.16	N/A	7 - 17	Chinle/Alluvium Interface
			8/21/2015	2.00	6,927.23	6,929.98	6,925.79	2.75	6,908.62	21.36	N/A	N/A	14.76	6,915.22	N/A	7 - 17	Chinle/Alluvium Interface
			11/9/2015	2.00	6,927.23	6,929.98	6,925.79	2.75	6,909.62	20.36	N/A	N/A	14.61	6,915.37	N/A	7 - 17	Chinle/Alluvium Interface
10/29/2013	4/30/2014	MKTF-24	3/11/2015	2.00	6,926.07	6,928.72	6,924.62	2.65	6,898.25	30.47	N/A	N/A	21.54	6,907.18	N/A	18 - 28	Chinle/Alluvium Interface
			6/10/2015	2.00	6,926.07	6,928.72	6,924.62	2.65	6,898.25	30.47	N/A	N/A	21.65	6,907.07	N/A	18 - 28	Chinle/Alluvium Interface
			8/20/2015	2.00	6,926.07	6,928.72	6,924.62	2.65	6,897.25	31.47	N/A	N/A	21.53	6,907.19	N/A	18 - 28	Chinle/Alluvium Interface
			11/4/2015	2.00	6,926.07	6,928.72	6,924.62	2.65	6,898.25	30.47	N/A	N/A	21.72	6,907.00	N/A	18 - 28	Chinle/Alluvium Interface
10/30/2013	4/30/2014	MKTF-25	3/11/2015	2.00	6,913.35	6,916.19	6,911.79	2.84	6,896.76	19.43	N/A	N/A	10.85	6,905.34	N/A	6 - 16	Chinle/Alluvium Interface
			6/10/2015	2.00	6,913.35	6,916.19	6,911.79	2.84	6,896.76	19.43	N/A	N/A	11.04	6,905.15	N/A	6 - 16	Chinle/Alluvium Interface
			8/21/2015	2.00	6,913.35	6,916.19	6,911.79	2.84	6,895.76	20.43	N/A	N/A	10.60	6,905.59	N/A	6 - 16	Chinle/Alluvium Interface
			11/5/2014	2.00	6,913.35	6,916.19	6,911.79	2.84	6,896.76	19.43	N/A	N/A	11.20	6,904.99	N/A	6 - 16	Chinle/Alluvium Interface
10/30/2013	4/30/2014	MKTF-26	3/11/2015	2.00	6,912.55	6,915.31	6,911.35	2.76	6,898.16	17.15	N/A	N/A	8.00	6,907.31	N/A	4 - 14	Chinle/Alluvium Interface
			6/10/2015	2.00	6,912.55	6,915.31	6,911.35	2.76	6,898.16	17.15	N/A	N/A	8.57	6,906.74	N/A	4 - 14	Chinle/Alluvium Interface
			8/20/2015	2.00	6,912.55	6,915.31	6,911.35	2.76	6,897.16	18.15	N/A	N/A	8.54	6,906.77	N/A	4 - 14	Chinle/Alluvium Interface
			11/4/2015	2.00	6,912.55	6,915.31	6,911.35	2.76	6,898.16	17.15	N/A	N/A	8.40	6,906.91	N/A	4 - 14	Chinle/Alluvium Interface
10/30/2013	4/30/2014	MKTF-27	3/11/2015	2.00	6,915.36	6,917.90	6,914.18	2.54	6,903.18	14.72	N/A	N/A	7.10	6,910.80	N/A	1 - 12	Chinle/Alluvium Interface
			6/9/2015	2.00	6,915.36	6,917.90	6,914.18	2.54	6,903.18	14.72	N/A	N/A	7.44	6,910.46	N/A	1 - 12	Chinle/Alluvium Interface
			8/20/2015	2.00	6,915.36	6,917.90	6,914.18	2.54	6,902.18	15.72	N/A	N/A	7.85	6,910.05	N/A	1 - 12	Chinle/Alluvium Interface
			11/4/2015	2.00	6,915.36	6,917.90	6,914.18	2.54	6,903.18	14.72	N/A	N/A	7.53	6,910.37	N/A	1 - 12	Chinle/Alluvium Interface
4/2/2014	4/30/2014	MKTF-28	3/11/2015	2.00	6,918.67	6,921.52	6,917.51	2.85	6,905.36	16.16	N/A	N/A	6.64	6,914.88	N/A	3 - 13	Chinle/Alluvium Interface
			6/9/2015	2.00	6,918.67	6,921.52	6,917.51	2.85	6,905.36	16.16	N/A	N/A	5.40	6,916.12	N/A	3 - 13	Chinle/Alluvium Interface
			8/20/2015	2.00	6,918.67	6,921.52	6,917.51	2.85	6,904.36	17.16	N/A	N/A	6.42	6,915.10	N/A	3 - 13	Chinle/Alluvium Interface
			11/4/2015	2.00	6,918.67	6,921.52	6,917.51	2.85	6,905.36	16.16	N/A	N/A	5.74	6,915.78	N/A	3 - 13	Chinle/Alluvium Interface
4/2/2014	4/30/2014	MKTF-29	3/11/2015	2.00	6,898.83	6,901.62	6,897.67	2.79	6,878.78	22.84	N/A	N/A	2.04	6,899.58	N/A	10 - 20	Chinle/Alluvium Interface
			6/10/2015	2.00	6,898.83	6,901.62	6,897.67	2.79	6,878.78	22.84	N/A	N/A	2.69	6,898.93	N/A	10 - 20	Chinle/Alluvium Interface
			8/20/2015	2.00	6,898.83	6,901.62	6,897.67	2.79	6,877.78	23.84	N/A	N/A	2.30	6,899.32	N/A	10 - 20	Chinle/Alluvium Interface
			11/4/2015	2.00	6,898.83	6,901.62	6,897.67	2.79	6,878.78	22.84	N/A	N/A	2.40	6,899.22	N/A	10 - 20	Chinle/Alluvium Interface
4/1/2014	4/30/2014	MKTF-30	3/11/2015	2.00	6,898.10	6,900.80	6,896.68	2.70	6,877.60	23.20	N/A	N/A	14.74	6,886.06	N/A	10 - 20	Chinle/Alluvium Interface
			6/10/2015	2.00	6,898.10	6,900.80	6,896.68	2.70	6,877.60	23.20	N/A	N/A	14.57	6,886.23	N/A	10 - 20	Chinle/Alluvium Interface
			8/20/2015	2.00	6,898.10	6,900.80	6,896.68	2.70	6,876.60	24.20	N/A	N/A	15.29	6,885.51	N/A	10 - 20	Chinle/Alluvium Interface
			11/4/2015	2.00	6,898.10	6,900.80	6,896.68	2.70	6,877.60	23.20	N/A	N/A	14.74	6,886.06	N/A	10 - 20	Chinle/Alluvium Interface
4/1/2014	4/30/2014	MKTF-31	3/11/2015	2.00	6,904.26	6,906.87	6,903.11	2.61	6,884.06	22.81	N/A	N/A	7.98	6,898.89	N/A	6 - 21	Chinle/Alluvium Interface
			6/10/2015	2.00	6,904.26	6,906.87	6,903.11	2.61	6,884.06	22.81	N/A	N/A	7.75	6,899.12	N/A	6 - 21	Chinle/Alluvium Interface
			8/21/2015	2.00	6,904.26	6,906.87	6,903.11	2.61	6,883.06	23.81	N/A	N/A	8.09	6,898.78	N/A	6 - 21	Chinle/Alluvium Interface
			11/4/2015	2.00	6,904.26	6,906.87	6,903.11	2.61	6,884.06	22.81	N/A	N/A	8.14	6,898.73	N/A	6 - 21	Chinle/Alluvium Interface
3/31/2014	4/30/2014	MKTF-32	3/12/2015	2.00	6,908.44	6,911.11	6,907.16	2.67	6,883.36	27.75	N/A	N/A	15.49	6,895.62	N/A	9 - 24	Chinle/Alluvium Interface
			6/9/2015	2.00	6,908.44	6,911.11	6,907.16	2.67	6,883.36	27.75	N/A	N/A	15.49	6,895.62	N/A	9 - 24	Chinle/Alluvium Interface
			8/21/2015	2.00	6,908.44	6,911.11	6,907.16	2.67	6,882.36	28.75	N/A	N/A	15.15	6,895.96	N/A	9 - 24	Chinle/Alluvium Interface
			11/5/2015	2.00	6,908.44	6,911.11	6,907.16	2.67	6,883.36	27.75	N/A	N/A	14.84	6,896.27	N/A	9 - 24	Chinle/Alluvium Interface
4/3/2014	4/30/2014	MKTF-33	3/12/2015	2.00	6,936.59	6,939.75	6,936.59	3.16	6,906.55	33.20	N/A	N/A	23.32	6,916.43	N/A	20 - 30	Chinle/Alluvium Interface
			6/9/2015	2.00	6,936.59	6,939.75	6,936.59	3.16	6,906.55	33.20	N/A	N/A	23.30	6,916.45	N/A	20 - 30	Chinle/Alluvium Interface
			8/21/2015	2.00	6,936.59	6,939.75	6,936.59	3.16	6,905.55	34.20	N/A	N/A	23.32	6,916.43	N/A	20 - 30	Chinle/Alluvium Interface
			11/9/2015	2.00	6,936.59	6,939.75	6,936.59	3.16	6,906.55	33.20	N/A	N/A	23.19	6,916.56	N/A	20 - 30	Chinle/Alluvium Interface
3/31/2014	4/30/2014	MKTF-34	3/12/2015	2.00	6,942.42	6,945.35	3,943.52	2.93	6,917.67	27.68	N/A	N/A	18.77	6,926.58	N/A	9 - 24	Chinle/Alluvium Interface
			6/8/2015	2.00	6,942.42	6,945.35	3,943.52	2.93	6,917.67	27.68	N/A	N/A	18.90	6,926.45	N/A	9 - 24	Chinle/Alluvium Interface
			8/18/2015	2.00	6,942.42	6,945.35	3,943.52	2.93	6,916.67	28.68	N/A	N/A	18.74	6,926.61	N/A	9 - 24	Chinle/Alluvium Interface
			11/3/2015	2.00	6,942.42	6,945.35	3,943.52	2.93	6,917.67	27.68	N/A	N/A	19.00	6,926.35	N/A	9 - 24	Chinle/Alluvium Interface

SECTION 9 DATA TABLE
WELL DATA 2015 ANNUAL/QUARTERLY SAMPLING
DTB/DTW MEASUREMENTS FOR MKTF 1 - MKTF 45 WELLS

Date of Installation	Date of Survey ¹	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevations (ft)	Well Casing Rim Elevations (ft)	Ground Elevation Inside Steel Sleeve (ft)	Stick-up length (ft)	Well Casing Bottom Elevation (ft)	Total Well Depth (ft)	Depth to ² SPH (ft)	SPH ³ Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected ⁴ Water Table Elevation (Factor 0.8) (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists
11/19/2014	12/16/2014	MKTF-35	3/17/2015	2.00	6,951.90	6,951.65	6,951.25	-0.25	6,935.20	16.45	N/A	N/A	8.93	6,942.72	N/A	6 - 16	Chinle/Alluvium Interface
			6/4/2015	2.00	6,951.90	6,951.65	6,951.25	-0.25	6,935.20	16.45	N/A	N/A	8.93	6,942.72	N/A	6 - 16	Chinle/Alluvium Interface
			8/18/2015	2.00	6,951.90	6,951.65	6,951.25	-0.25	6,935.20	16.45	N/A	N/A	8.91	6,942.74	N/A	6 - 16	Chinle/Alluvium Interface
			11/3/2015	2.00	6,951.90	6,951.65	6,951.25	-0.25	6,935.20	16.45	N/A	N/A	9.02	6,942.63	N/A	6 - 16	Chinle/Alluvium Interface
11/19/2014	12/16/2014	MKTF-36	3/17/2015	2.00	6,950.67	6,950.12	6,949.87	-0.55	6,934.67	15.45	N/A	N/A	7.71	6,942.41	N/A	5 15	Chinle/Alluvium Interface
			6/4/2015	2.00	6,950.67	6,950.12	6,949.87	-0.55	6,934.67	15.45	N/A	N/A	7.53	6,942.59	N/A	5 15	Chinle/Alluvium Interface
			8/18/2015	2.00	6,950.67	6,950.12	6,949.87	-0.55	6,934.67	15.45	N/A	N/A	7.50	6,942.62	N/A	5 15	Chinle/Alluvium Interface
			11/3/2015	2.00	6,950.67	6,950.12	6,949.87	-0.55	6,934.67	15.45	7.00	0.66	7.66	6,942.46	6942.99	5 15	Chinle/Alluvium Interface
11/18/2014	12/16/2014	MKTF-37	3/17/2015	2.00	6,959.07	6,958.87	6,958.62	-0.20	6,934.27	24.60	N/A	N/A	9.21	6,949.66	N/A	4 - 24	Chinle/Alluvium Interface
			6/4/2015	2.00	6,959.07	6,958.87	6,958.62	-0.20	6,934.27	24.60	N/A	N/A	9.48	6,949.39	N/A	4 - 24	Chinle/Alluvium Interface
			8/18/2015	2.00	6,959.07	6,958.87	6,958.62	-0.20	6,934.27	24.60	N/A	N/A	9.45	6,949.42	N/A	4 - 24	Chinle/Alluvium Interface
			11/3/2015	2.00	6,959.07	6,958.87	6,958.62	-0.20	6,934.27	24.60	9.54	0.03	9.57	6,949.30	6949.32	4 - 24	Chinle/Alluvium Interface
11/20/2014	12/16/2014	MKTF-38	3/16/2015	2.00	6,955.17	6,954.89	6,954.54	-0.28	6,934.60	20.29	N/A	N/A	9.00	6,945.89	N/A	5 - 20	Chinle/Alluvium Interface
			6/10/2015	2.00	6,955.17	6,954.89	6,954.54	-0.28	6,934.60	20.29	N/A	N/A	9.34	6,945.55	N/A	5 - 20	Chinle/Alluvium Interface
			8/24/2015	2.00	6,955.17	6,954.89	6,954.54	-0.28	6,934.60	20.29	N/A	N/A	9.25	6,945.64	N/A	5 - 20	Chinle/Alluvium Interface
			11/9/2015	2.00	6,955.17	6,954.89	6,954.54	-0.28	6,934.60	20.29	N/A	N/A	9.45	6,945.44	N/A	5 - 20	Chinle/Alluvium Interface
11/14/2014	12/16/2014	MKTF-39	3/16/2015	2.00	6,953.97	6,953.75	6,953.12	-0.22	6,938.55	15.20	N/A	N/A	8.88	6,944.87	N/A	5 - 15	Chinle/Alluvium Interface
			6/10/2015	2.00	6,953.97	6,953.75	6,953.12	-0.22	6,938.55	15.20	N/A	N/A	9.31	6,944.44	N/A	5 - 15	Chinle/Alluvium Interface
			8/23/2015	2.00	6,953.97	6,953.75	6,953.12	-0.22	6,938.55	15.20	N/A	N/A	9.24	6,944.51	N/A	5 - 15	Chinle/Alluvium Interface
			11/9/2015	2.00	6,953.97	6,953.75	6,953.12	-0.22	6,938.55	15.20	N/A	N/A	9.39	6,944.36	N/A	5 - 15	Chinle/Alluvium Interface
11/13/2014	12/16/2014	MKTF-40	3/11/2015	2.00	6,891.35	6,894.33	6,890.48	2.98	6,870.69	23.64	N/A	N/A	14.60	6,879.73	N/A	5 - 20	Chinle/Alluvium Interface
			6/10/2015	2.00	6,891.35	6,894.33	6,890.48	2.98	6,870.69	23.64	N/A	N/A	14.20	6,880.13	N/A	5 - 20	Chinle/Alluvium Interface
			8/21/2015	2.00	6,891.35	6,894.33	6,890.48	2.98	6,870.69	23.64	N/A	N/A	13.83	6,880.50	N/A	5 - 20	Chinle/Alluvium Interface
			11/4/2015	2.00	6,891.35	6,894.33	6,890.48	2.98	6,870.69	23.64	N/A	N/A	13.91	6,880.42	N/A	5 - 20	Chinle/Alluvium Interface
11/14/2014	12/16/2014	MKTF-41	3/12/2015	2.00	6,891.11	6,893.64	6,889.80	2.53	6,853.54	40.10	N/A	N/A	20.07	6,873.57	N/A	22 - 37	Chinle/Alluvium Interface
			6/9/2015	2.00	6,891.11	6,893.64	6,889.80	2.53	6,853.54	40.10	N/A	N/A	19.77	6,873.87	N/A	22 - 37	Chinle/Alluvium Interface
			8/21/2015	2.00	6,891.11	6,893.64	6,889.80	2.53	6,853.54	40.10	N/A	N/A	19.90	6,873.74	N/A	22 - 37	Chinle/Alluvium Interface
			11/5/2015	2.00	6,891.11	6,893.64	6,889.80	2.53	6,853.54	40.10	N/A	N/A	19.77	6,873.87	N/A	22 - 37	Chinle/Alluvium Interface
11/12/2014	12/16/2014	MKTF-42	3/11/2015	2.00	6,890.42	6,892.95	6,888.75	2.53	6,859.80	33.15	N/A	N/A	17.97	6,874.98	N/A	10 - 30	Chinle/Alluvium Interface
			6/9/2015	2.00	6,890.42	6,892.95	6,888.75	2.53	6,859.80	33.15	N/A	N/A	17.60	6,875.35	N/A	10 - 30	Chinle/Alluvium Interface
			8/21/2015	2.00	6,890.42	6,892.95	6,888.75	2.53	6,859.80	33.15	N/A	N/A	17.44	6,875.51	N/A	10 - 30	Chinle/Alluvium Interface
			11/5/2015	2.00	6,890.42	6,892.95	6,888.75	2.53	6,859.80	33.15	N/A	N/A	17.26	6,875.69	N/A	10 - 30	Chinle/Alluvium Interface
11/11/2014	12/16/2014	MKTF-43	3/11/2015	2.00	6,874.12	6,876.90	6,873.22	2.78	6,861.47	15.43	N/A	N/A	5.20	6,871.70	N/A	2 - 12	Chinle/Alluvium Interface
			6/10/2015	2.00	6,874.12	6,876.90	6,873.22	2.78	6,861.47	15.43	N/A	N/A	3.63	6,873.27	N/A	2 - 12	Chinle/Alluvium Interface
			8/21/2015	2.00	6,874.12	6,876.90	6,873.22	2.78	6,861.47	15.43	N/A	N/A	3.80	6,873.10	N/A	2 - 12	Chinle/Alluvium Interface
			11/5/2015	2.00	6,874.12	6,876.90	6,873.22	2.78	6,861.47	15.43	N/A	N/A	5.12	6,871.78	N/A	2 - 12	Chinle/Alluvium Interface
11/11/2014	12/16/2014	MKTF-44	3/12/2015	2.00	6,867.41	6,869.95	6,866.06	2.54	6,818.80	51.15	N/A	N/A	38.44	6,831.51	N/A	38 - 48	Chinle/Alluvium Interface
			6/10/2015	2.00	6,867.41	6,869.95	6,866.06	2.54	6,818.80	51.15	N/A	N/A	29.55	6,840.40	N/A	38 - 48	Chinle/Alluvium Interface
			8/17/2015	2.00	6,867.41	6,869.95	6,866.06	2.54	6,818.80	51.15	N/A	N/A	31.23	6,838.72	N/A	38 - 48	Chinle/Alluvium Interface
			11/9/2015	2.00	6,867.41	6,869.95	6,866.06	2.54	6,818.80	51.15	N/A	N/A	33.32	6,836.63	N/A	38 - 48	Chinle/Alluvium Interface
Pre-existing	12/16/2014	MKTF-45 ⁵	3/17/2015	4.00	6,948.63	6,949.59	6,948.27	0.96	6,919.35	30.24	13.14	1.80	14.94	6,934.65	6936.09	Unknown	Chinle/Alluvium Interface
			6/8/2015	4.00	6,948.63	6,949.59	6,948.27	0.96	6,919.35	30.24	13.20	3.55	16.75	6,932.84	6935.68	Unknown	Chinle/Alluvium Interface
			8/18/2015	4.00	6,948.63	6,949.59	6,948.27	0.96	6,919.35	30.24	13.50	0.11	13.61	6,935.98	6936.07	Unknown	Chinle/Alluvium Interface
			11/3/2015	4.00	6,948.63	6,949.59	6,948.27	0.96	6,919.35	30.24	13.70	0.32	14.02	6,935.57	6935.83	Unknown	Chinle/Alluvium Interface

SECTION 9 DATA TABLE
WELL DATA 2015 ANNUAL/QUARTERLY SAMPLING
DTB/DTW MEASUREMENTS FOR MKTF 1 - MKTF 45 WELLS

Date of Installation	Date of Survey ¹	Well ID Number	Inspection or Sample Date	Casing Diameter (Inch)	Ground Level Elevations (ft)	Well Casing Rim Elevations (ft)	Ground Elevation Inside Steel Sleeve (ft)	Stick-up length (ft)	Well Casing Bottom Elevation (ft)	Total Well Depth (ft)	Depth to ² SPH (ft)	SPH ³ Column Thickness (ft)	Depth to Water (ft)	Ground water Elevation (ft)	Corrected ⁴ Water Table Elevation (Factor 0.8) (ft)	Screened Interval Depth Top to Bottom (ft)	Stratigraphic unit in which screen exists

DEFINITIONS:
DTB - Depth to Bottom
DTW - Depth to Water
N/A - Not Applicable
SPH - Separate Phase Hydrocarbons

NOTES:
1) Wells surveyed by a licensed professional surveyor-Hammon Enterprises, Inc. (HEI)
2) "0" indicates no SPH level.
3) Depth to SPH - Depth to Water Measurement = SPH Column Thickness.
4) Corrected Water Table Elevaton applies only if SPH thickness column measurement exists. (0.8 X SPH thickness + Ground Water Elevation)
5) Pre-existing well. Surveyed on 1/21/14 and DTB measurement taken with a bottom sensing water level meter. Screened interval of well unknown at this time.

FIGURES



Figure 1: Regional map showing the location of the Gallup Refinery (red star along Interstate-40, 20 miles east of the City of Gallup).

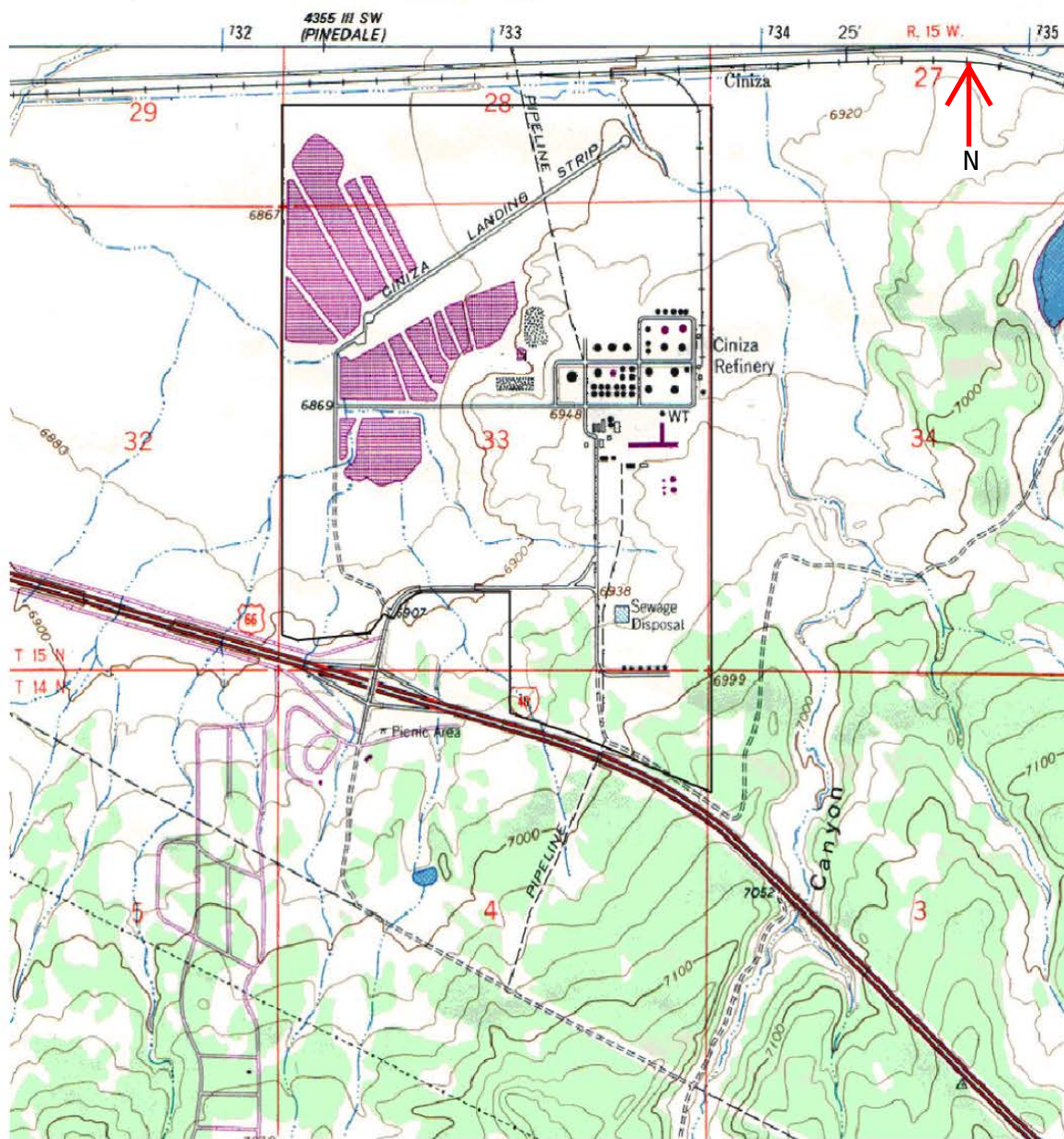
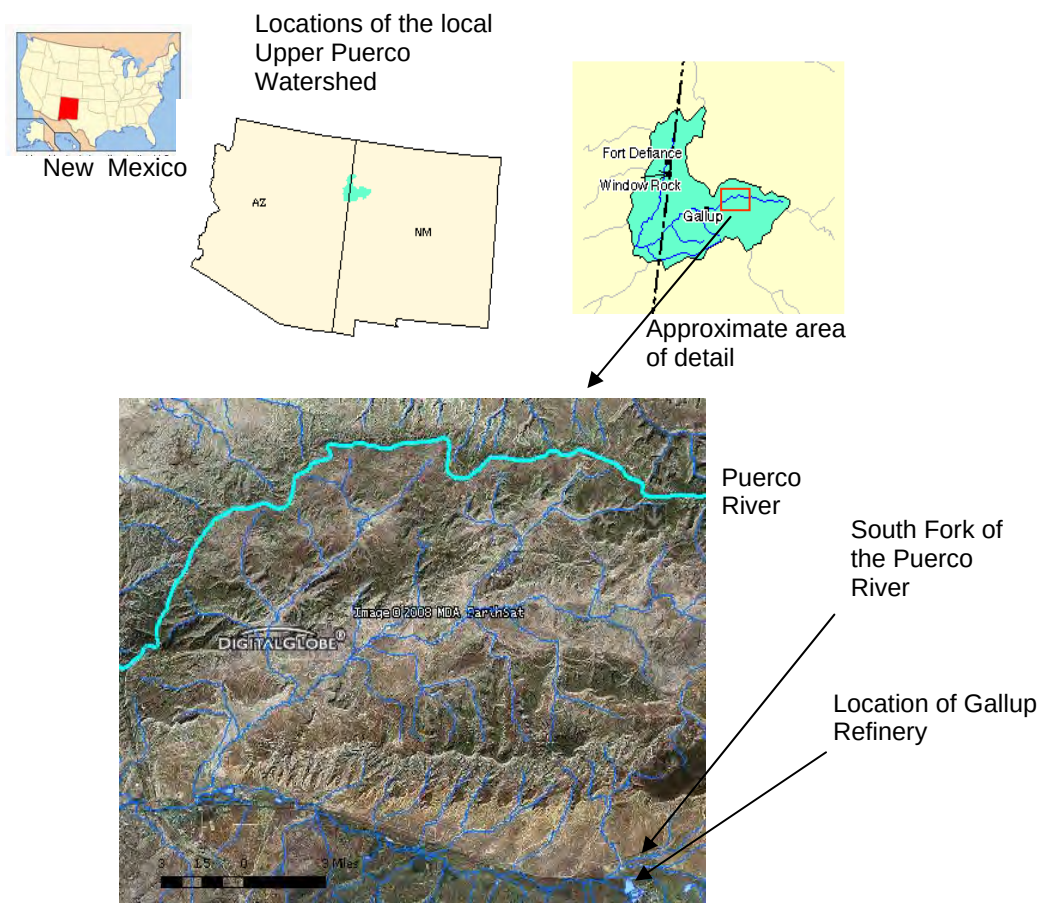


Figure 2: Topographic Map of the Gallup Refinery Site - USGS Topographical Map - Gallup Quadrangle (Revised 1980)



Figure 3: Aerial photograph of the Gallup Refinery

Figure 4: Regional scale: Flow lines and major surface water bodies (from: EPA Enviromapper - <http://map24.epa.gov/EMR/?ZoomToWatershed=15020006>) North is towards the top of the page.



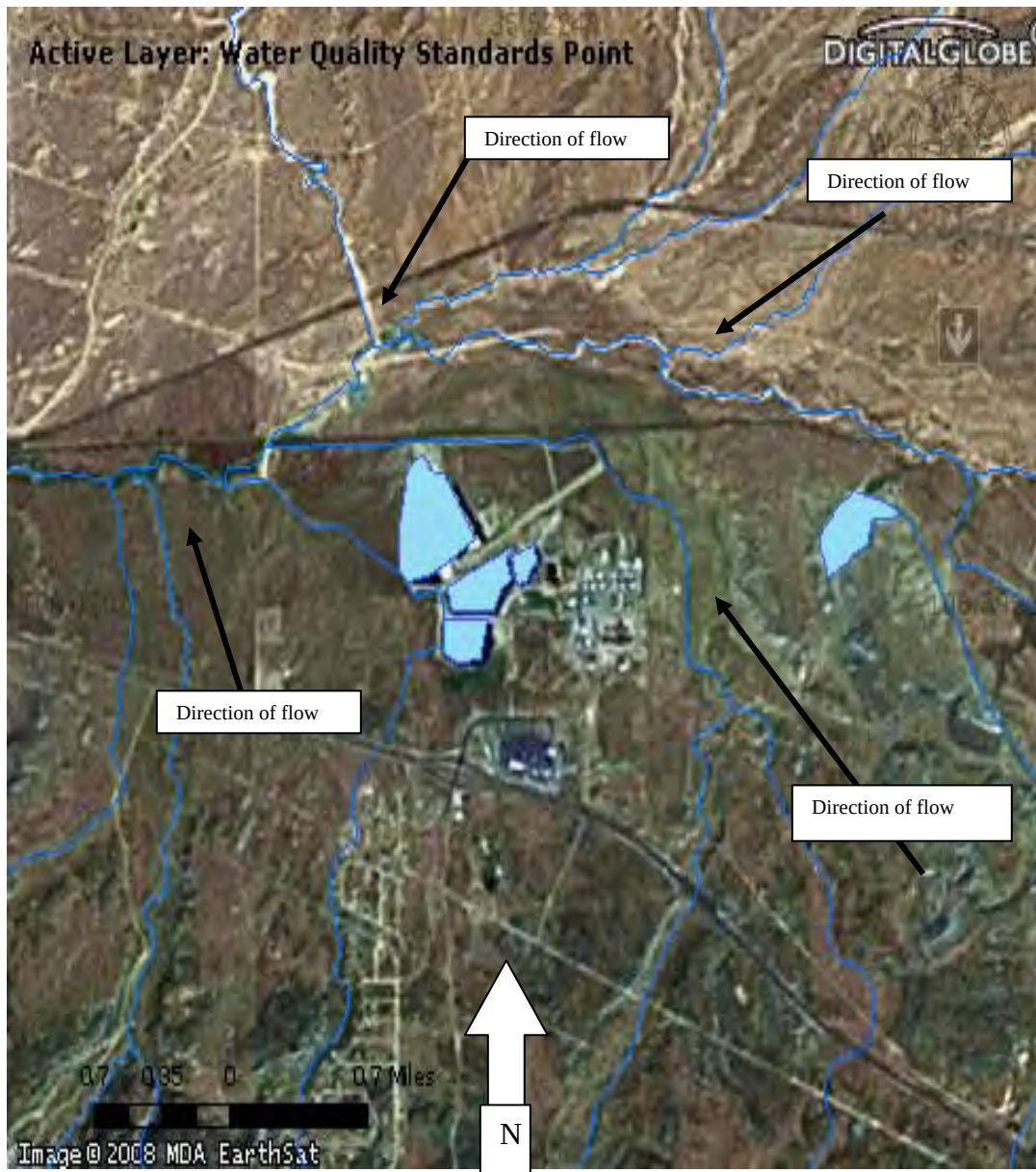
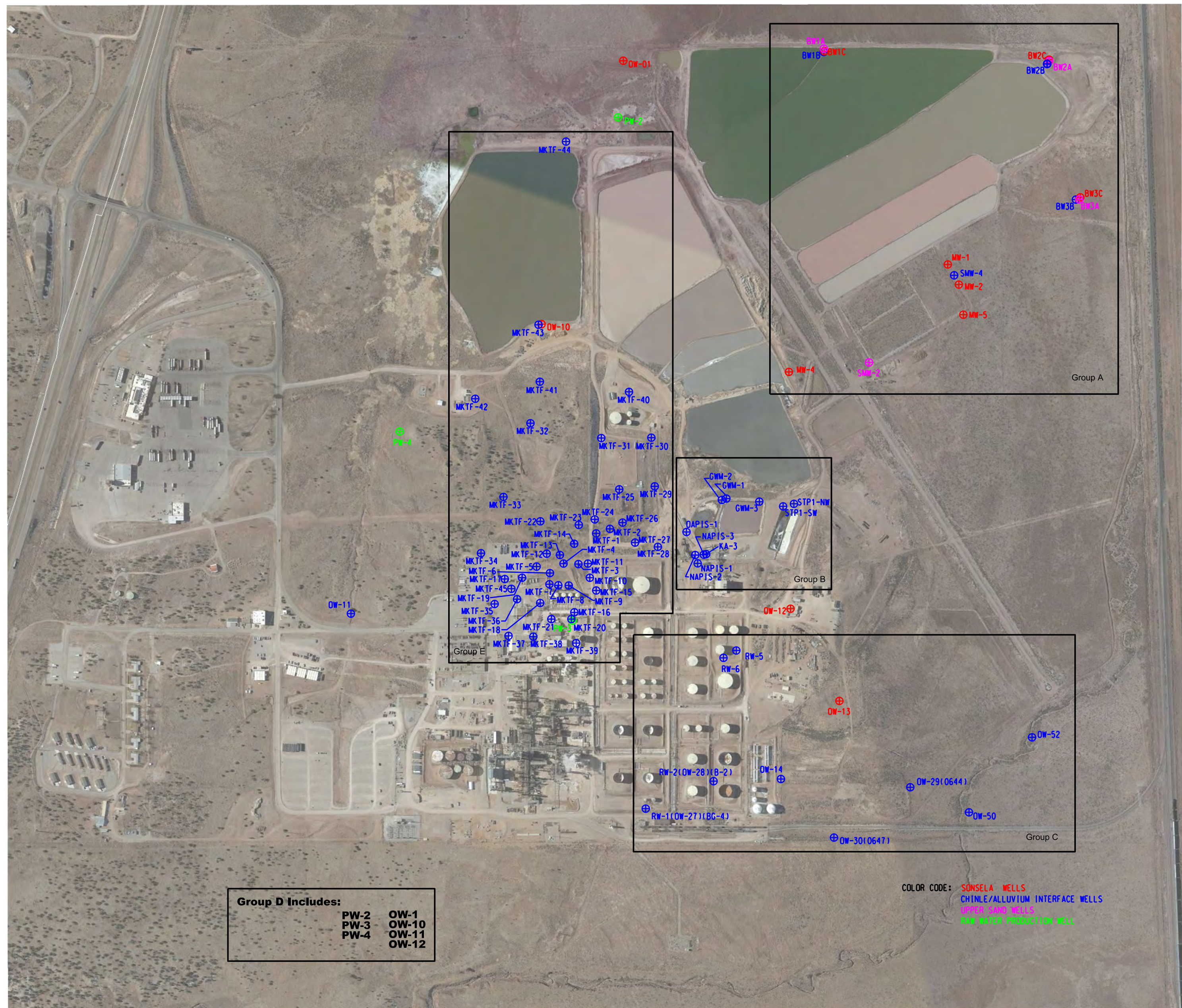
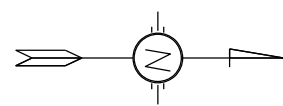


Figure 5: Localized scale: Flow lines and major surface water bodies (from: EPA EnviroMapper - <http://map24.epa.gov/EMR/?ZoomToWatershed=15020006>) North is towards the top of the page. The pond to the east is Jon Myers' Livestock Pond.



4601 Ripley
El Paso, Texas
79922
915-584-1317

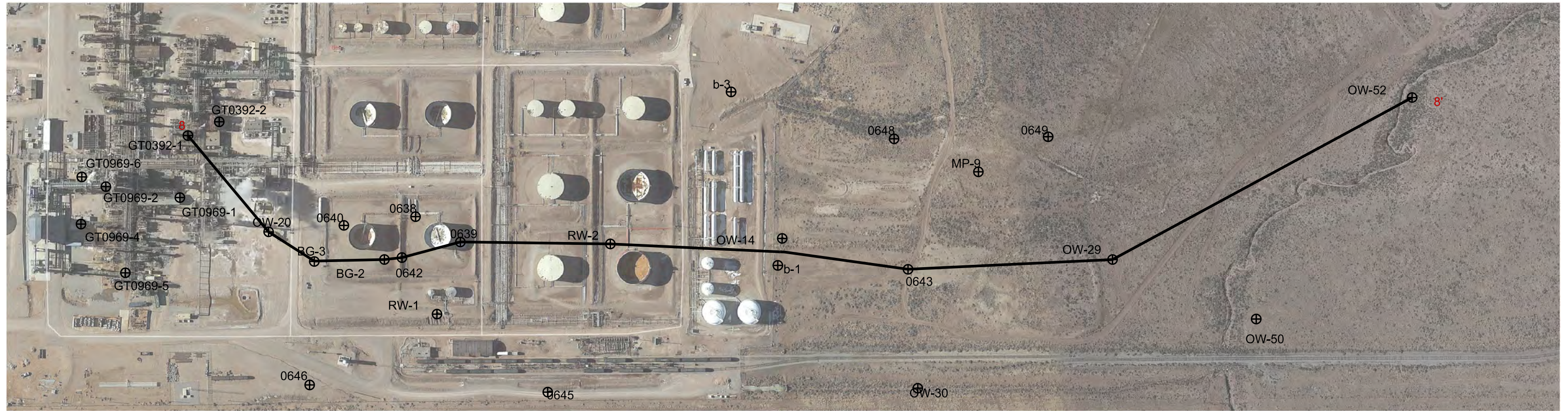


1"=500'

Project #: 06251104

Figure 6 **FACILITIES AND WELL GROUPS - 2015** **WESTERN REFINING - GALLUP REFINERY**

Western Refining - Gallup Refinery
92 Giant Crossing Road
Gallup, New Mexico 87301
Date: April 27, 2016



Profile East 8-8'

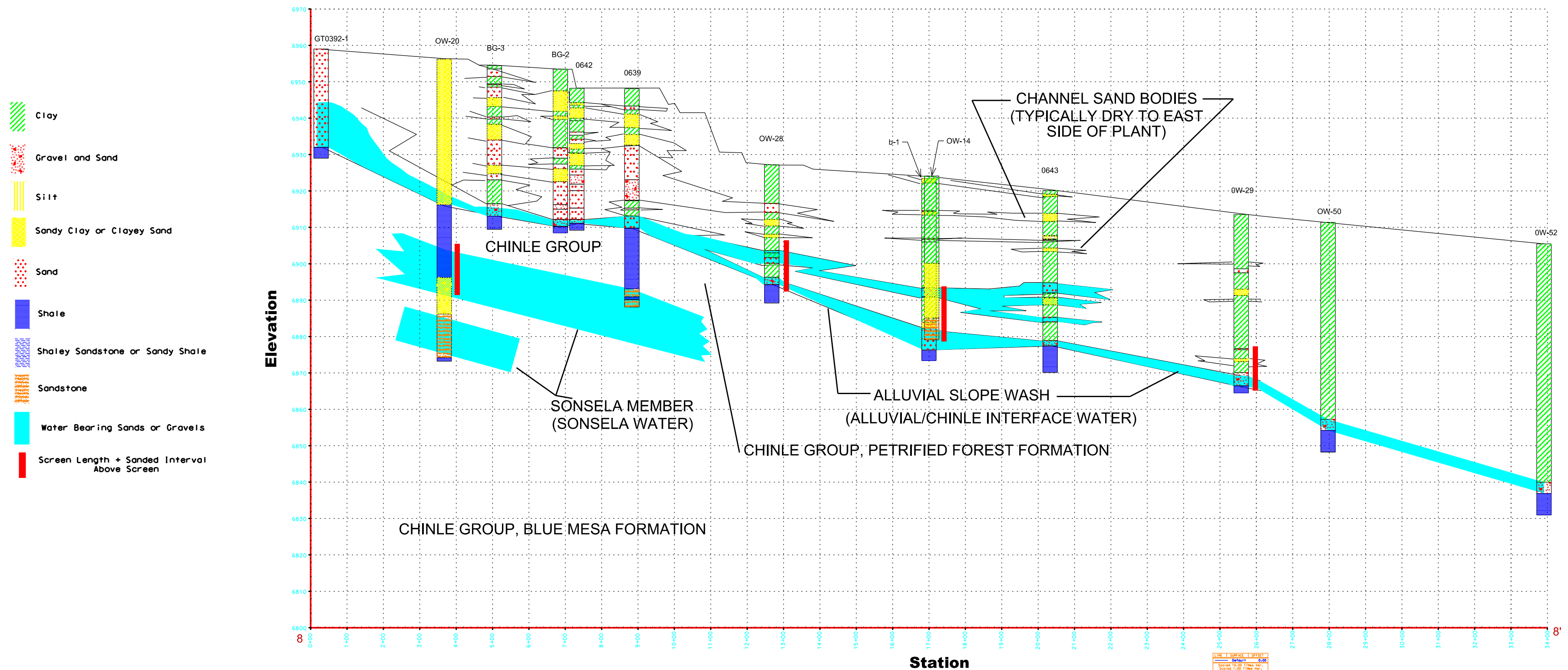
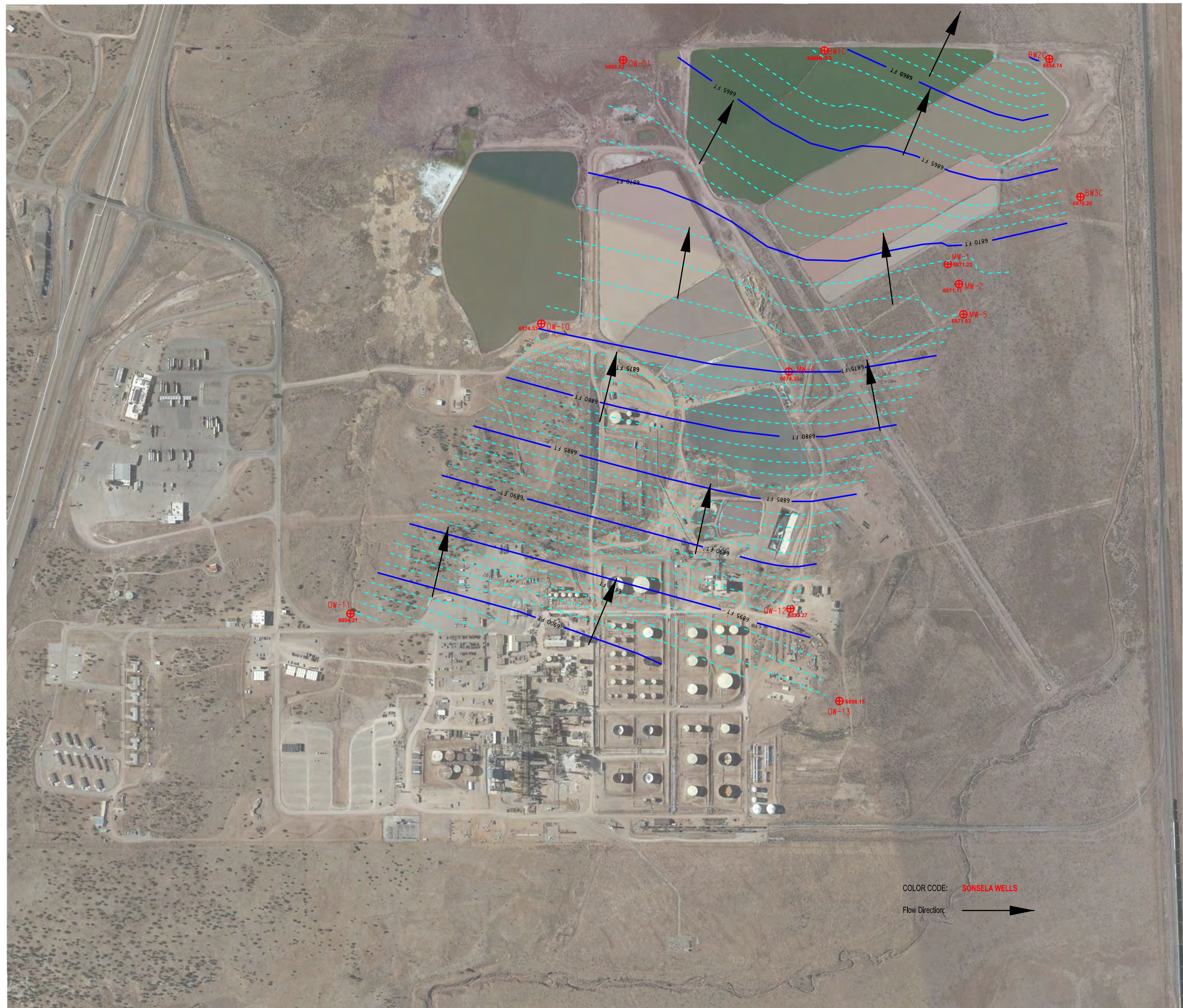
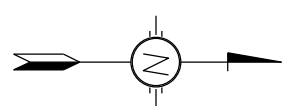


Figure 7

TYPICAL SOUTH-NORTH GEOLOGIC PROFILE (E. PLANT) WESTERN REFINING - GALLUP REFINERY



4601 Ripley
El Paso, Texas
79922
915-584-1317

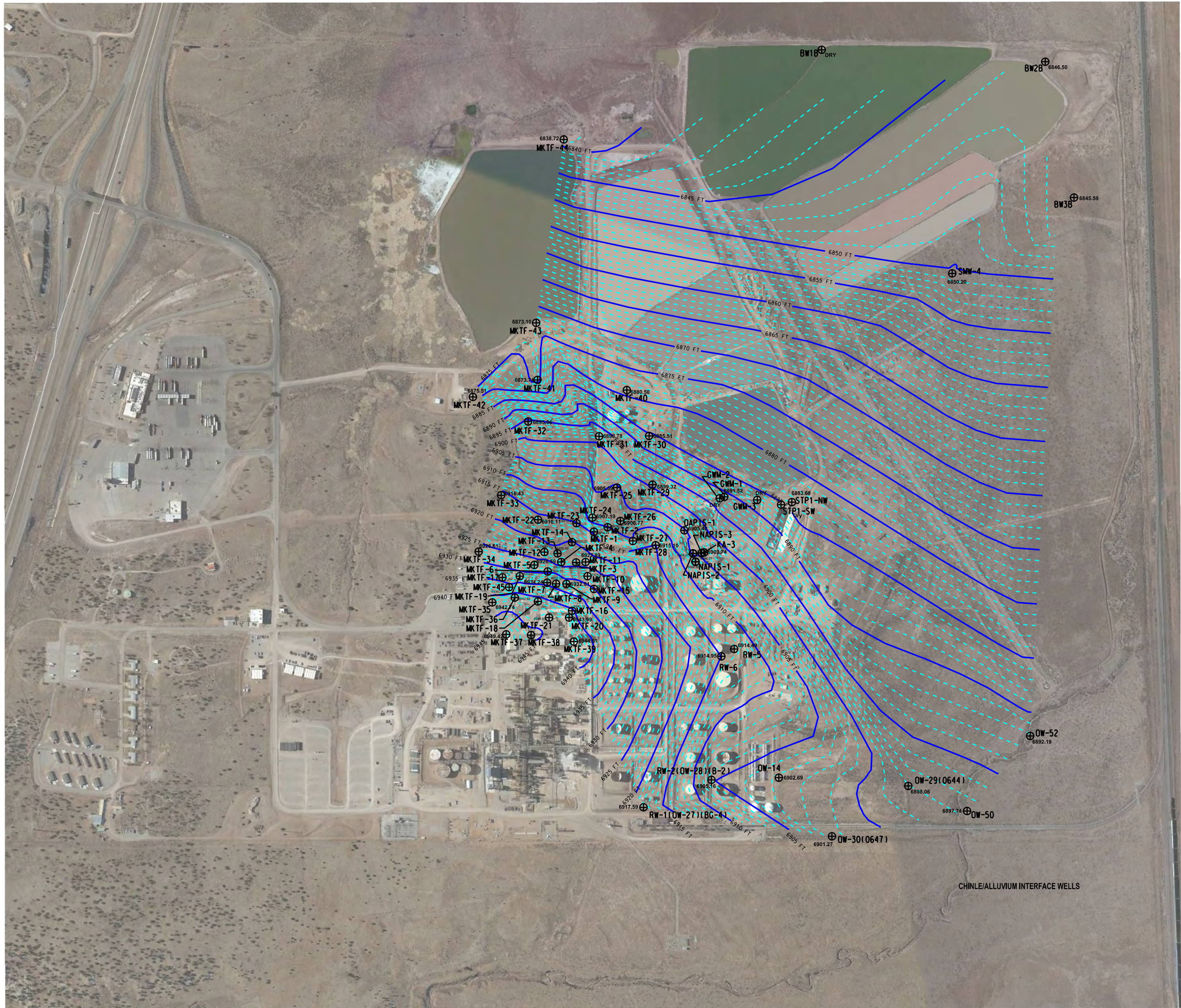


1"=500'

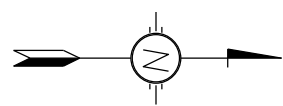
Project #: 06251104

Figure 9
Sonsela Water Elevation Map 2015
WESTERN REFINING - GALLUP REFINERY

Western Refining - Gallup Refinery
92 Giant Crossing Road
Gallup, New Mexico 87301
Date: August 5, 2016 - Revision 1



4601 Ripley
El Paso, Texas
79922
915-584-1317



1"=500'

Project #: 06251104

Figure 10
2015
Alluvium/Chinle Gp Interface Water Elevation Map
WESTERN REFINING - GALLUP REFINERY

Western Refining - Gallup Refinery
92 Giant Crossing Road
Gallup, New Mexico 87301
Date: August 19, 2016 REVISION 3