AP-111

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1 of 12

2013

Annual Ground Water Monitoring Report: Gallup Refinery – 2013

Western Refining
Gallup, New Mexico
Submitted: August 29, 2014

Western Refining

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.

William Carl McClain Jr. August 29, 2014

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LIST OF ACRONYMS

AC	Alternating Current
AL	Aeration Lagoon
API	American Petroleum Institute
BMP	Best Management Practices
BOD	Biochemical Oxygen Demand
BTEX	Benzene, Toluene, Ethyl benzene, 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 Ground Water Monitoring Plan
GPM	Gallons per minute
GRO	Gasoline Range Organics
GWM	Ground Water Monitoring Well
HP	Horse Power
HWB	Hazardous Waste Bureau
IDW	Investigation Derived Waste
ISE	Ion Selective Electrode
LDU	Leak Detection Unit
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

LIST OF ACRONYMS – CONTINUED

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 Reporting Detection Limit
RSL	Regional Screening Level
RW	Recovery Well
SMW	Shallow Monitoring Well
SPH	Separate Phase Hydrocarbon
STP	Sanitary Treatment Pond
SVOC	Semi-volatile Organic Compound
SWMU	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 Ground Water Monitoring Report for 2013 (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 ground water collected for sampling. On February 15, 2012, Ground Water 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 ground water pursuant to 19.15.30 NMAC (Remediation) under case number AP-111 with remediation activities already in place under Ground Water Discharge Permit GW-032. Monitoring and field work activities conducted for 2013 followed the guidelines of the approved 2010 Revision 1, Annual Ground Water Monitoring Report, approved on December 12, 2012 and concurrence from Comment 6 of NMED's Disapproval Facility Wide Ground Water Monitoring Work Plan, 2011 Updates, September 24, 2012.

GROUND WATER MONITORING

There are a total of 41 monitoring wells located throughout the refinery property. The ground water program consists of a number of sampling locations, target analytes, and monitoring frequencies which are monitored on a quarterly, semi-annual, and annual basis. These monitoring wells have been grouped as follows:

GROUP A	GROUP B	GROUP C	GROUP D
BW-1A, 1B, 1C	GWM-1, 2, 3	OW-13, 14, 29, 30	PW-2, 3, 4
BW-2A, 2B, 2C	NAPIS-1, 2, 3, KA-3	OW-50, 52	OW-1, 10
BW-3A, 3B, 3C	OAPIS-1	RW-1, 2, 5, 6	OW-11, 12
MW-1, 2, 4, 5	LDU (3)		
SMW-2, 4			

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 BW-2A, 2B, 2C are located on the west end of evaporation pond 11. BW-3A, 3B, 3C are located in a 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. Bis (2-ethylhexyl) phthalate was first detected in BW-3B in 2009 and in BW-3C in 2011. The detection of this organic compound is suspected to be a laboratory contaminant or possibly from the PVC (polyvinyl chloride) pipe materials used in the well. Subsequent yearly sampling results have indicated non-detectable levels of the organic constituent in both wells since the initial discovery. No BTEX (benzene, toluene, ethylbenzene, total xylenes) or MTBE (methyl tert butyl ether) constituents have been detected in any of the boundary wells to date.

Within this section a Resource Conservation Recovery Act (RCRA) land treatment unit (LTU) exists, each cell measuring 480 feet x 240 feet sections (3 cells total) and received hazardous waste application until 1990 and non-hazardous application ceased in 1993. Each section is diked and contains 2.6 acres of surface. The MW series and SMW series of wells were installed to monitor the detection of hazardous constituents in the ground water. Three up gradient monitoring wells are located along the northern edge (MW-1, SMW-4 and MW-2) and down gradient along the eastern section there are two monitoring wells (MW-5, SMW-2). MW-4 is located on the northwest corner of evaporation pond 2 and was installed as a background monitoring well.

Monitoring wells MW-1, MW-2, MW-4 and MW-5 in this group have shown non-detectable levels of BTEX plus MTBE constituents. No volatile organic compounds (VOCs) or semi-volatile organic compounds (SVOCs) have been detected in any of these wells that exceeded the applicable standards for 2013. Trace levels of three VOCs and SVOCs have been detected in all the MW wells at various times. In 2008 in MW-4, bis(2-ethylhexyl)phthalate was detected exceeding the EPA MCL standard, however yearly sampling to date have all been less than the Reporting Detection Limit (<RL) on the laboratory analysis. The detection of this organic constituent is suspected to be a

laboratory contaminant or possibly from the PVC pipe materials used as casing for this well. The RCRA land farm is on a ten year sampling schedule per the RCRA Post Closure Care Permit and next scheduled sampling for the land farm is to occur in year 2019, and includes ground water sampling for the MW and SMW series of wells in this group.

The last sets of wells in this group are SMW-2 and SMW-4 located on the north and southeast corner of the RCRA land treatment unit. Low concentrations of MTBE have been detected in SMW-2 from 2008 through 2013. No BTEX constituents have been detected in either SMW-2 or SMW-4 from 2006 to 2013. No VOCs or SVOCs have been detected in the ground water during the 2013 annual sampling event, although low concentrations of acetone, diethylphthalate, 1,4-Dioxane and benzenethiol have been detected in 2008 through 2010 in SMW-2. SMW-4 had low concentrations of bis(2-ethylhexyl)phthalate, diethylphthalate, and phenol in 2008 and 2009.

GROUP B - WELLS

Centrally located at the aeration basin are the Group B wells. GWM-1, GWM-2 and GWM-3 are located on the western edge of aeration lagoon 2 (AL-2) and pond 1. Four monitoring wells are located at the New American Petroleum Institute Separator (NAPIS). Three wells (NAPIS-2, NAPIS-3 and KA-3 are adjacent to the west bay of the NAPIS on the west side and NAPIS-1 is located upstream on the south east side of the east bay of the NAPIS. At the NAPIS are also three leak detection units (LDU), Oil sump LDU and East Bay LDU which are located on the east bay and the West LDU which is located on the west bay of the NAPIS.

Located on the northwest corner of AL-2 is monitoring well GWM-1. High concentrations of benzene have been detected in GWM-1 since 2006 through 2013. Fourth quarter 2012 was the only quarter in which no BTEX constituents were detected in the ground water samples. Low concentration of MTBE has been detected in GWM-1 from 2008 through 2013 and Diesel Range Organics (DRO) was also detected in all four quarters of 2013 at concentration levels above the TPH screening guidelines. Three metal compounds (arsenic, iron, and manganese) continue to be

detected exceeding the applicable standards since 2008 and lead was detected only in the fourth quarter. Low concentrations of barium, copper, selenium, uranium and zinc were also detected in 2013. Two organic compounds were detected exceeding the applicable standards in 2013 (1,2,4-Trimethylbenzene and 1-Methylnaphthalene). Five organic compounds were also detected at concentrations below the applicable standards.

GWM-2 is located on the southwest corner of pond 1, adjacent to GWM-1, and GWM-3 is located on the northwest corner of pond 1. No water has been detected in GWM-2 or GWM-3 from 2005 through 2009. Water was first discovered during a quarterly inspection in 2010 and has been observed in both wells during quarterly inspection in 2012. In 2013, GWM-2 continued to have a water level and beginning in 2013, quarterly inspections of GWM-3 found the well to be dry. No BTEX constituents exceeded applicable standards, however low concentrations of MTBE were found in GWM-2. Chlorides and sulfates were above the WQCC standards throughout 2013 and no DRO, or MRO was detected, however in the first quarter GRO was detected at 0.052 mg/L. Uranium and manganese both exceeded the WQCC standards all four quarters in 2013 and iron only in the second quarter. No VOCs were detected in GWM-2 in 2013.

Located down gradient of the NAPIS on the west side, are three wells (NAPIS-2, NAPIS-3, and KA-3). NAPIS-1 is located up gradient of the NAPIS on the southeast corner. No detections of BTEX, MTBE, VOC, or SVOCs have been found in the ground water in NAPIS-1 and NAPIS-3. No metals (total/dissolved), VOCs, or SVOCs were detected in NAPIS-1 in 2013.

NAPIS-2 had high concentrations of MTBE from 2008 through 2013. Benzene has also been detected in NAPIS-2 from 2008 through third quarter 2013. High concentrations of barium, iron, and manganese were also detected in 2013. Two organic constituents were detected in NAPIS-2 (1-Methylnaphthalene and naphthalene). In NAPIS-3, uranium and iron exceeded applicable standards in all four quarters of 2013. Arsenic, barium, chromium, lead and mercury also exceeded standards in 2013. No VOCs or SVOCs were detected in NAPIS-3 or KA-3.

KA-3 also had high concentrations of benzene in the first and second quarters of 2013 and MTBE exceeded the NMED Tap Water standard in the third quarter of 2013. High concentrations of barium, iron, manganese and uranium were also detected throughout 2012.

In July 2012, a new well (OAPIS-1) was installed at the aeration basin on the northwest side of Aeration Lagoon 1 (AL-1). The development of this well was a result of a site investigation conducted by RPS Consultants and Enviro-Drill on ground water and soils surrounding the aeration basin known as Solid Waste Management Units (SWMU), SWMU No. 1 Aeration Basin and SWMU No. 14 Old API Separator. The Investigation Work Plan was implemented to determine if there has been a release to the environment and to delineate any such releases at the aeration basin. Information collected from this site investigation will also be used to help determine the source of ground water that has been observed in monitoring wells GWM-2 and GWM-3 since 2010. Benzene and MTBE have exceeded applicable standards in all four quarters of 2013 as well as chloride and DRO. High concentrations of arsenic, iron, manganese, uranium and cyanide were also detected in OAPIS-1. Only one organic compound, 1-Methylnaphthalene was detected in the first and fourth quarter of 2013.

GROUP C WELLS

Directly north of the main refinery tank farm on the eastern section of the property are six (6) observation wells (OW-13, OW-14, OW-29, OW-30, OW-50 and OW-52) located in an open field on the northeast section of the refinery property. OW-30 is located on the east side of the rail road track spur which enters the refinery property from the north and ends at the railcar loading rack. Four (4) recovery wells (RW-1, RW-2, RW-5 and RW-6) are located within the refinery tank farm upstream of the OW wells in Group C. RW-5 and RW-6 are located on the northeast section of Tank 345; RW-2 is located on the southwest side of Tank 576 and RW-1 is located on the east section of the main refinery tank farm, east of Tank 568.

Ground water monitoring activities for the OW wells have shown the presence of MTBE in OW-13, OW-14, OW-29, and OW-30. Only three wells (OW-14, OW-29 and OW-30), have high

concentrations of MTBE that have exceeded the NMED Tap Water Standard of 0.125 mg/L. OW-14 is the only well that had three organic constituents (benzene, ethyl benzene and MTBE) detected in the ground water samples at concentration levels above the applicable screening levels for 2013.

In October 2009 wells (OW-50 and OW-52) were installed per New Mexico Environmental Department (NMED) requirement dated May 28, 2009 to "*determine if contamination has migrated north, northwest of the refinery and potentially offsite*" *from up gradient wells OW-13 and OW-29*. From 2009 through 2013, no BTEX or MTBE constituents have been detected in either of these wells. The only compound detected in OW-50 in the first quarter 2010 was bis(2-ethylhexyl) phthalate (0.011 mg/L) exceeding the EPA MCL standard of 0.006 mg/L. The contaminant detected is suspected to be a laboratory contaminant or possibly from the PVC pipe casing materials used to install the well.

The last group of wells in Group C are four shallow recovery wells from which separate phase hydrocarbons (SPH) have been recovered (RW-1, RW-2, RW-5, RW-6). These recovery wells were installed as a result of a tank farm site investigation conducted in 1987 through early 1990, which indicated high concentrations of BTEX constituents in the ground water as well as hydrocarbons. Recovery through hand bailing continues on a quarterly basis in RW-5 and RW-6 and a portable drop in submersible pump is used in RW-1. RW-2 has not shown any measureable hydrocarbon levels and is not bailed. The volume of SPH has continued to drop substantially from year to year in RW-1, RW-5 and RW-6. In 2013 only Recovery Well (RW-1) had a measureable hydrocarbon level. No measureable hydrocarbon levels were detected in RW-5 and RW-6, however bailing continues as a hydrocarbon odor is detected and oil sheen observed on the bailed water from both of these wells.

GROUP D WELLS

On the south, southwest sections of the refinery property are the Group D wells. There are three process/production wells (PW-2, PW-3 and PW-4) which are used to provide the refinery's process

water, drinking water to the refinery, company housing and also to the Pilot Travel Center. Four observation wells have also been placed in this group (OW-1, OW-10, OW-11 and OW-12).

PW-2 is located on the west side of the refinery property directly west of evaporation pond 6 at a depth of 1000 feet. PW-3 is centrally located on the refinery property directly north of the maintenance shop, west of the domestic water tank Z-86-T2 at a depth of 1000 feet. PW-4 is located on the south side of the refinery property directly south of the Pilot Lift Station at a depth of 1000 feet. In one sampling event in 2008, a high concentration of 2-Methylaphthalene was detected in PW-3 exceeding the EPA RSL standard. Due to the detection of an organic constituent, PW-3 was placed on an annual sampling schedule as directed per NMED's Comment 12 of the May 16, 2011 Notice Of Disapproval (NOD) (May 2011 NOD) for the Annual Ground Water Monitoring Report: Gallup Refinery 2009. Annual sampling results for SVOCs since 2009 through 2013 have all been non-detect (<RL). PW-3 continues to be sampled on an annual basis. 2013 sampling results for PW-4 indicate no detectable concentration levels of BTEX and MTBE. Iron was detected above the applicable standard and low concentrations of three VOCs (1,2-4-Trimethylbenzene, 1,3,5-Trimethylbenzene and n-Propylbenzene were detected in 2013. Last sampling activities for PW-2 (2011) have all indicated no detection of BTEX, MTBE, SVOC or metal constituents.

OW-1 is an artesian well located on the west side of the refinery property. OW-1 was added to the quarterly ground water sampling schedule in 2010. No BTEX or MTBE constituents have been detected in this well to date. Uranium concentration levels fluctuate in this well from quarter to quarter all at levels exceeding the WQCC standard of 0.03 mg/L. No VOCs have been detected in OW-1.

OW-10 is also located on the west side of the refinery property, directly east of evaporation pond 9. Low concentration of MTBE has been detected in OW-10 since 2010 and gradually increasing over time. In the first and second quarter of 2013, MTBE exceeded the NMED Tap Water screening level of 0.125 mg/L. Uranium has also been detected in OW-10 at levels exceeding the WQCC standard of 0.03 mg/L since 2010. Low concentrations of three organic compounds (1,1-Dichloroethane, 1,2-Dichloroethane (EDC), and 1,1-Dichloroethane) have been detected in fourth quarter of 2012 , and in the first quarter of 2013 in OW-10.

OW-11 is located on the west side of the main access road entering the refinery property. OW-12 is centrally located directly north west of the main refinery tank farm at a site known as the bone yard. No BTEX or MTBE constituents have been detected in either of these wells. Uranium has been detected in OW-11 since 2007 in concentration levels exceeding the WQCC standard of 0.03 mg/L. The organic compound bis-2(ethylhexyl)phthalate was detected in OW-11 exceeding the EPA MCL standard of 0.006 mg/L during the 2013 annual sampling event.

ADDITIONAL SITES MONITORED

Eighteen (18) monitoring wells were included in the 2013 Facility Wide Ground Water Monitoring Work Plan Updates submitted on March 31, 2014, pending approval. These additional wells are a result of an on-going site investigation of a hydrocarbon seep discovered in an isolated area approximately 100 yards west of Tanks 101 and 102. Site investigation included excavations of seep area, soil/aqueous samples and the installation of six temporary sumps to recover the non aqueous petroleum liquid (NAPL) discovered. Liquid recovery from the sumps through the end of December 2013 is estimated to be 2,264 gallons of NAPL recovered and 76, 167 gallons of water. Efforts to identify the source of the hydrocarbons completed through 2013 include dye tracer tests on sewer system, additional soil borings and site inspections. Western will continue efforts to further characterize potential source areas to recover NAPL and to delineate the lateral extent of impacts to ground water.

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.

There are a total of twelve evaporation ponds including pond 1 that are sampled semi-annually. Pond 1(EP-1) thru evaporation pond 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-1 through EP-6. Evaporation ponds 7, 8, 11, 12A/B are located on the northwest corner of the refinery boundary.

Figure 6 contains the general layout of the refinery and well locations.

ADDITONAL REPORTING REQUIREMENTS

OCD Discharge Permit is now entitled GW-032/AP111. The Discharge Permit was rescinded by NM-OCD on February 15, 2012; however we are still required to continue with abatement of pollution of ground water 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)
- Summary of Monthly Waste Water Flow Rate (Appendix D)
- New Well – OAPIS-1, MKTF 1 thru 18 (Appendix F)
- Major Refinery Activities and Events (Summary EPA/NMED/RCRA Activity) (Appendix G)
- Summary of All Leaks, Spills and Releases (Appendix H)
- Temporary Land Farm Analytical Results (Appendix J)
- Analytical Data (Appendix K)

SECTION 1

INTRODUCTION

The 2013 Annual Ground Water Monitoring Report has been prepared to describe monitoring and remediation activities undertaken throughout 2013. Ground water sampling is performed on a quarterly, semi-annual and annual basis and also 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 and the data generated is used to characterize the nature and extent of impacts to the ground water at the refinery from historical releases and to monitor any levels of constituents that exceed applicable standards.

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

- Scope of activities
- Sampling methods and procedures
- Ground water elevation surveys;
- Regulatory criteria
- Ground water 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)
92 Giant Crossing Road, Gallup, NM 87301

Western Refining Southwest, Inc. (Physical address)
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)

The refinery status is corrective action/compliance. Annual, semi-annual and quarterly ground water 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 in Section 11 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 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 also remove impurities from various intermediate and blending feed stocks to produce finished products that comply with sales specifications.
- Isomerization Unit converts low octane hydrocarbon molecules into high octane molecules.
- 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.

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, 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 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 racks 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 is 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 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 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 new 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 is 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 then flows to the Macro Porous Polymer Extraction (MPPE) system. The MPPE system removes dissolved and dispersed hydrocarbons from the waste water which includes aromatics, polyaromatic hydrocarbons (PAH) through a liquid-liquid extraction process where waste water is passed through a column packed with MPPE particles (porous polymer beads) that contain the extraction liquid suitable for removal of aromatic hydrocarbons and PAHs. The waste water that passes through the MPPE column discharges into the sanitary treatment pond (STP-1). The hydrocarbon-water mixture is recycled and sent back to the refinery for reprocessing. Carbon filtration was also used at various times in 2013 in parallel with the MPPE to increase waste water treated.

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 onward into evaporation pond 2 (EP-2) and 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 removal of the strippers for demolition was completed in January of 2013.

At the evaporation ponds, waste water is converted into vapor via solar and mechanical wind-effect evaporation. Two electrically driven water evaporators are located between evaporation ponds 3 and 4. No waste water is discharged from the refinery to surface waters of the state. All treated waste water is routed to 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 storm water system is a network of valves, gates, berms, embankments, culverts, trenches, ditches, natural arroyos, and retention ponds that collect, convey, control, treat, and release storm

water that falls within or passes through refinery property. Storm water that falls within the processing areas is considered equivalent to 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.

Storm water 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 in Jamestown, New Mexico, 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 yearly rainfall is less than ten inches per year with the maximum average precipitation occurring in 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 contain water only 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 this 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.

Ground water 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). Ground water 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 up to 10^{-2} centimeters per second in the gravelly sands immediately overlying the Chinle Formation. Section 11, Figure 4, depicts the regional surface water flows are in a westerly direction and Figure 5 depicts surface water bodies and flow lines.

Shallow ground water 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 2013

The 2013 quarterly, annual ground water and semi-annual evaporation pond sampling was conducted by Western. The third quarter ground water sampling was combined with the annual sampling event per approval from NMED and OCD and conducted in September 2013. The following is a list of monitoring and inspections completed for 2013.

- Separate Phase Hydrocarbon Recovery Logs – Appendix A
- Field Inspection logs – Appendix C
- Treatment System Monitoring – Monthly Flow Rate – Appendix D
- New Well Installation – MKTF -1 THRU MKTF-18 – Appendix F
- Spill Reporting – Appendix H
- Temporary Land Farm Semi-Annual Sampling – Appendix J
- Data Tables - Analytical Data – Section 8
- Well Data DTW/DTB Measurements (Elevations) – Section 9
- Quarterly, semi-annual, annual inspections summary – Section 10

2.1 MONITORING AND SAMPLING PROGRAM

The primary objective of ground water monitoring is to analyze ground water samples collected and use data to assess ground water quality at and near the refinery. Ground water elevation data was collected to evaluate ground water flow conditions. The ground water monitoring program for the refinery consists of sample collection and analysis from a series of monitoring, recovery, boundary, process and shallow monitoring wells, including evaporation pond locations and influents/effluents at the aeration basin.

The ground water monitoring network is separated into four investigation areas (Group A, Group B, Group C, and Group D). The sampling frequency, analyses and target analytes vary for each investigation areas and include the outfalls/evaporation pond locations. The combined data from these investigation areas was used to assess ground water quality beneath and immediately down-gradient of the refinery, and evaluate local ground water flow conditions. Samples were collected annually from monitoring wells that had measurable separate phase hydrocarbon (SPH) levels. For wells that were purged dry, samples were collected if recharge volume was sufficient for sample collection within 24 hours. Wells not sampled due to insufficient recharge was documented in the field log.

Daily field activities, including observations and field procedures, was recorded for each activity and maintained at the Gallup 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 container with the samples when samples are shipped to the laboratory. A custody seal is affixed to the lid of the shipping container. Copies of all COC forms generated are kept on site.

Field duplicates and trip blanks are obtained for quality assurance during sampling activities at a frequency of one for each shipping event involving twenty or more samples.

2.2 SAMPLING METHODS AND PROCEDURES

Each monitoring well was gauged for depth to water (DTW) and or depth to product (DTP) to determine the amount of water to purge. A minimum of two well volumes are purged from each well prior to sampling. If water level is at a minimum or the well has low recharge rate, then the well is allowed to recharge within 24 hours before 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 and are within the following limits before purging will be discontinued and sampling may begin: Dissolved Oxygen (DO) (10%), Specific Conductance (3%), Temperature (3%), pH (+/- 10 mV).

Ground water 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 ground water purged, description of water, the instruments used, and the readings obtained at each interval were recorded on the field-monitoring log.

Well purging and sampling are 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 ground water from monitoring wells 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.

Ground water 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. The sample container is clearly marked and labeled.
- Ground water 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 ground water 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 Heron Instrument 100 feet DipperT electric water depth tape complying with US GGG-T-106E, EEC, Class II. This instrument measures water level, indication is a steady audible tone 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); capacity approximately 1 liter). 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 ground water 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

Ground water and surface water samples collected during the monitoring events were analyzed for the constituents listed in Table 1, Section 9.0. 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

Site investigation conducted in 1987 of the refinery tank farm network indicated high concentrations of BTEX constituents in the ground water as well as hydrocarbons. As a result of the findings from the site investigations conducted from 1987 through 1990, four recovery wells were installed to recover the hydrocarbons (RW-1, RW2, RW-5, and RW-6). Separate Phase Hydrocarbon (SPH) has been recovered from RW-1 using a submersible bladder pump and in RW-5 and RW-6, a disposable polyethylene bailer is used to hand-bail. 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 also 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 product on the top 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. In 2013, product recovered from RW-1 was estimated at 2.38 gallons for the year.

RW-5 has shown a decline in SPH levels beginning in the second quarter of 2009 through 2013. Quarterly inspections in 2013 continue to indicate no measureable SPH level and purging continued in RW-5 despite the lack of a measureable SPH level as observations of the water bailed had a visible sheen and also had a hydrocarbon odor. RW-6 continued to show a decline in SPH levels from 2005 where an estimated 17 gallons of product was recovered and no measureable product level beginning in 2012 and 2013. Although there was no measureable product level in RW-6 for 2012,

purging of water continued as there was a visible sheen observed in the water purged and an odor detected.

SECTION 3

GROUND WATER ELEVATION DATA

Ground water elevation data was collected from the wells listed in Table 1, Section 10.0. Summary of field measurements (DTW, DTP) taken during the quarterly, semi-annual and annual inspections is listed in Section 9. Ground water levels and SPH column thickness measurements (from the RW series of wells) were collected quarterly to monitor ground water elevation and product column thickness fluctuations over time. Maps were generated using elevation data collected from the survey conducted by DePauli Engineering on June 6, 2011 and from the 2013 field inspection logs.

Field notes and measurement data was recorded in field logs from each well for 2013 and is located in Appendix C. The depth to ground water and SPH column thickness levels were measured to the nearest 0.01 ft. The depth to ground water 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 an electrical conductivity based meter, the Heron Instruments 100 ft. DipperT electric water depth tape complying with US GGG-T-106E, EEC Class II. After 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.

Ground water and SPH levels were measured in all wells within 48 hours of the start of ground water 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 the active wells.

SECTION 4

REGULATORY CRITERIA

Analytical data is compared to the most current regulatory standards (Appendix B) at time of submission of report.

- New Mexico 20NMAC 20.6.2.3103 (WQCC). Standards for Ground Water of 10,000 mg/L TDS Concentration or Less.
- EPA 40 CFR 141.62. National Primary Drinking Water Regulations (Updated April 24, 2014) (EPA MCL).
- EPA Regional Screening Levels set for Residential Risk-Based Screening Levels (EPA RSL) for Tap Water (Ross) (November 2013).
- NMED Table 6.2 (unknown oil). Total petroleum hydrocarbon (TPH) screening guidelines for Potable Ground water (GW-1), (June 2012).
- NMED Tap Water Screening Levels (April 2012)

SECTION 5

GROUND WATER ELEVATIONS

Ground water elevations are depicted in the following maps generated using elevation data from survey conducted by DePauli Engineering on June 7, 2011 and field inspection logs for 2013.

- Figure 7 (Section 11) presents a south-north geologic profile (East Side) 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 showing contours of monitoring wells with reference to stratigraphic locations in which the water bearing zones are located.
- Figure 14 (Section 11) represents geologic profile for West-East locations

SECTION 6

GROUND WATER MONITORING RESULTS

Section 8 contains the data tables that summarizes all of the analytical data for each sampling site in 2013. Bold and highlighted values indicate that a constituent exceeds the highlighted standard listed. The laboratory analytical data reports have been copied onto a CD (disc) located in Appendix K.

6.1 CONSTITUENT LEVELS IN GROUP A MONITORING WELLS

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

The boundary wells (BW-1A, 1B, 1C) are located on an elevated berm between evaporation ponds 7 and 8 on the western edge of the refinery property. BW-2A, 2B and 2C are located on the northwest edge of evaporation pond 11. BW-3A, 3B and 3C are located in the field directly north of evaporation pond 12B. The boundary wells were sampled on an annual basis. Ground water samples were analyzed for the following analytes: Major cations/anions, 8260B plus MTBE, 8270 plus phenol and WQCC metals. The boundary wells were sampled and/or inspected on the following dates:

BW-1A: 9/3/13	BW-2A: 9/9/13	BW-3A: 9/3/13
BW-1B: 9/3/13	BW-2B: 9/9/13	BW-3B: 9/9/13
BW-1C: 9/9/13	BW-2C: 9/9/13	BW-3C: 9/9/13

The BW wells are screened in three different stratigraphic zones. BW-1A, BW-2A, and BW-3A are all screened in what is known as the Upper Sand, while BW-1B, BW-2B and BW-3B are all screened in the Chinle/Alluvium Interface. BW-1C, BW-2C and BW-3C are screened in the Sonsela.

During the 2013 annual ground water sampling event, no water was detected in BW-1A, BW-1B and BW-3A. In BW-1C, BW-2A, BW-2B, BW-2C, BW-3B and BW-3C, annual sampling results indicated no BTEX and MTBE constituents detected in any of these wells from 2006 through 2013. Fluoride was detected above the WQCC standard of 1.6 mg/L in BW-1C (2.1 mg/L) and BW-2B (1.7 mg/L). Nitrates were detected above the WQCC standard of 10 mg/L in BW-1C, BW-2B, BW-2C, and BW-3B.

Total metals detected above the WQCC and/or EPA RSL standards include: In BW-2B, selenium (1.3E-03 mg/L) and in BW-3C iron (1.5 mg/L). In wells BW-1C, BW-2B/2C and BW-3C, low concentration of uranium was detected in 2013. No dissolved metals analyzed exceeded applicable standards in 2013 although low concentrations of arsenic, barium, iron, manganese, selenium and zinc were detected. Only one organic compound (bis(2-ethylhexyl)phthalate) was detected in BW-1C exceeding the EPA MCL standard of 0.006 mg/L in 2013. The contaminant discovered in the BW-1C may be a lab contaminant or from the PVC pipe materials used as casing in these wells as this contaminant was also detected in BW-3B and BW-3C in 2009 and 2011. See Section 8.1 for a detailed list of the analytical summary.

6.1.2 MW-1, MW-2, MW-4, MW-5

MW-1 and MW-2 and MW-5 are located down gradient (North edge) of the closed Land Treatment Unit (LTU) and MW-4 is located up gradient (south) of the closed LTU on the northwest corner of EP-2. The monitoring wells were sampled on an annual basis and ground water samples were analyzed for the following analytes: Major cations/anions, 8260 plus MTBE, WQCC Metals and 8015B. Annual sampling and inspections were completed on the following dates:

MW-1: 9/9/13	MW-2: 9/10/13	MW-4: 9/10/13	MW-5: 9/10/13

The MW series of wells are also sampled every 10 years per our RCRA Post Closure Permit for the following analytes: General chemistry, Modified Skinner List Metals including mercury and cyanide and Modified Skinner List VOC, SVOC, and total petroleum hydrocarbons (TPH). The next scheduled 10 year sampling event is to occur in year 2019.

All the MW wells are screened in what is known as the Sonsela stratigraphic unit. No concentrations of BTEX or MTBE have been detected in any of the MW series of wells since 2006

through 2013. Low concentrations of fluoride, chloride, sulfate and bromide were detected in all of the MW series of wells. Diesel range organics (DRO), gasoline range organics (GRO) and motor oil range organics (MRO) were all less than the reporting detection limit (<RL). See Section 8.2 for the complete analytical summary for all the MW wells listed.

In MW-1, total metals analytical results indicated only low concentration of arsenic, barium, cyanide and uranium. Dissolved metals analysis results also indicated low concentrations of arsenic, barium and uranium. No VOCs or SVOCs were detected in 2013 although a low concentration of diethylphthalate was detected in July 2010. See Section 8.2 for a detailed list of the analytical summary.

Total metals analysis in MW-2 detected low concentrations of arsenic, barium, manganese and uranium. Cyanide was less than the reporting detection limit (<0.01 mg/L) in 2013. Low concentrations of dissolved metals include: barium, manganese and uranium. No VOCs or SVOCs were detected in 2013 although a low concentration of acetone (2.73E-03 mg/L) was detected in March 2010.

Total metals analysis in MW-4 detected low concentrations of barium, manganese and uranium. Cyanide was less than the reporting detection limit (<0.01 mg/L) in 2013. Low concentrations of dissolved metals include: Barium, manganese, uranium and zinc. No VOCs or SVOCs were detected in 2013 although bis (2-ethylhexyl)phthalate (6.79E-03 mg/L) was detected in August 2008 exceeding the EPA MCL standard of 0.006 mg/L. The contaminant discovered may possibly be a lab contaminant or from the PVC pipe materials used for casing in this well.

Total metals analysis in MW-5 include detection of low concentrations of barium, manganese and uranium. Cyanide was less than the reporting detection limit (<0.01 mg/L) in 2013. Low concentrations of dissolved metals include: Barium, manganese, uranium, and zinc. No VOCs or SVOCs were detected in 2013 however, a low concentration of acetone was detected in July 2009 (4.92E-03 mg/L) and again in March 2010 (6.36E-03 mg/L). See Section 8.2 for the complete analytical summary of the wells in this section.

6.1.3 SMW-2, SMW-4

SMW-2 is located up gradient (southeast corner) of the closed RCRA LTU and SMW-4 is located down gradient (north side) of the closed RCRA LTU. SMW-2 and SMW-4 were sampled on an annual basis. Ground water samples were analyzed for the following analytes: Major cations/anions, 8260B plus MTBE, 8015B, WQCC metals. Annual sampling was conducted on the following dates:

SMW-2: 9/9/13	SMW-4: 9/9/13

Both of these wells are also sampled every 10 years per our RCRA Post Closure Permit for the following parameters: General chemistry, Modified Skinner List Metals including mercury and cyanide and Modified Skinner List VOC, SVOC, and TPH. The next scheduled 10 year sampling event is to occur in year 2019. SMW-2 is screened in the Chinle/Alluvium and Upper Sand stratigraphic unit while SMW-4 is screened in the Chinle/Alluvium Interface.

No BTEX constituents have been detected in SMW-2 and SMW-4 from 2007 through 2013. Low concentration of MTBE has been detected in SMW-2 in 2008, 2010, 2011 through 2013 all at concentrations below the NMED Tap Water standard of 0.125 mg/L. No MTBE has been detected in SMW-4 (less than the reporting detection limit (<0.001 mg/L)) since 2007.

In SMW-2, chloride (2500 mg/L) and sulfate (1500 mg/L) were detected at concentration levels above the WQCC standards. Fluoride and bromide were also detected at concentration levels below the applicable standards. GRO was detected at a concentration level of 0.15 mg/L while no DRO or MRO was detected (<RL). See Section 8.3.1 for a complete list of the analytes detected. Total metals detected at high concentration levels include manganese (0.27 mg/L) and uranium (0.11 mg/L) in 2013. Low concentrations of barium, chromium, iron, cyanide and zinc were also detected. Uranium (0.1 mg/L) was the only dissolved metal that exceeded the WQCC standard of 0.03 mg/L in 2013. Other metals detected at low concentrations include

arsenic, barium, iron, manganese, selenium and zinc. See Sections 8.3.2 and 8.3.3 for a complete list of metals detected.

In 2013, 2012 and 2011, no VOCs or SVOCs were detected in SMW-2. However, 1,4-Dioxane (1.48E-02 mg/L) was first detected in ground water samples collected during the 2007 annual sampling event conducted in January 2008 and again in August 2008 with results of 1.36E-02 mg/L both exceeding the NMED Tap Water screening level of 6.72E-03 mg/L. Low concentrations of acetone, diethylphthalate, and benzenethiol have been detected in 2008, 2009 and 2010. Refer to Section 8.3.4 data table for a complete list of analytes detected.

In SMW-4 no anions exceeded the applicable standards as well as DRO/GRO/MRO. Uranium (0.031 mg/L) was the only metal (total/dissolved) that exceeded the WQCC standard of 0.03 mg/L in 2013. Low concentrations of arsenic, barium, chromium, iron, manganese and zinc were also detected. See Section 8.3.2 data table for a complete list of total metals detected. Low concentrations of dissolved metals detected include: Arsenic, barium, and chromium. See Data Tables 8.3.2 and 8.3.3 in Section 8 for a complete list of total and dissolved metals analyzed.

No VOCs or SVOCs have been detected from 2010 through 2013. However in 2008 and 2009, low concentrations of bis(2-ethylhexyl)phthalate, diethylphthalate, and phenol have been detected in SMW-4. The contaminants detected are suspected to be a lab contaminant or possibly from the PVC pipe materials used as casing for this well. See Section 8.3 for a complete list of the analytical summary.

6.2 CONSTITUENT LEVELS IN GROUP B MONITORING WELLS

6.2.1 GWM-1, GWM-2, GWM-3

GWM series of wells are located at the aeration basin. GWM-1 and GWM-2 are located between AL-2 and pond 1. GWM-1 is located on the southwest corner of pond 1 and GWM-2 is located

up gradient (north) of GWM-1 at the southwest corner of AL-2. Down gradient from GWM-1 is GWM-3 located on the northwest corner of pond 1. Quarterly inspections and/or ground water samples are collected from the GWM wells. Collection of ground water samples from GWM-2 and GWM-3 are collected only if a water level is detected. Third quarter sampling was combined with the annual sampling event per approval from NMED and OCD. In GWM-2, fourth quarter ground water samples were not collected as there was not enough water for collection of samples. Ground water samples were analyzed for the following parameters: Major cations, anions, 8260B plus MTBE, 8015B and WQCC metals. Sampling requirements for GWM-2 and GWM-3 are 8021B plus MTBE and 8015B if water is detected. 24 hour notification to NMED is also required if water is detected in either GWM-2 or GWM-3 during quarterly inspections. Quarterly inspections and sampling were completed on the following dates:

GWM-1: 3/18/13, 6/12/13, 9/3/13, 11/11/13
GWM-2: 3/18/13, 6/12/13, 9/3/13, 11/11/13
GWM-3: 3/18/13, 6/12/13, 9/3/13, 11/11/13

The GWM series of wells are all screened in the Chinle/Alluvium Interface stratigraphic unit. In GWM-1, high concentration of benzene has been detected since 2006 through third quarter 2012 and in all four quarters in 2013, exceeding the EPA MCL standard of 0.005 mg/L. Low concentrations of toluene, ethyl benzene, xylene and MTBE was detected in this well from 2008 through 2013. See Section 8.4.1 data tables for a complete list of BTEX and MTBE analytical data.

High concentrations of fluoride and chloride have been detected in this well since 2006 exceeding WQCC standards. DRO was detected above the NMED Table 6 (Unknown Oil) TPH Screening Guidelines for Potable Water (GW-1) (June 2012) in all four quarters of 2013. GRO was also detected in all four quarters while MRO was less than the reporting detection limit (<5.0 mg/L). Data table in Section 8.4.1 lists all the constituents discussed in this paragraph.

In GWM-1, arsenic, iron, and manganese exceeded the applicable standard in all four quarters of 2013 and are listed as follows: First quarter, arsenic (0.12 mg/L), iron (8.0 mg/L), manganese (2.9 mg/L): Second quarter arsenic (0.12 mg/L), iron (11 mg/L), manganese (3.1 mg/L): Third quarter arsenic (0.12 mg/L), iron (15 mg/L), manganese (2.8 mg/L): Fourth quarter, arsenic (0.13 mg/L), iron (17 mg/L), lead (0.017 mg/L) and manganese (2.2 mg/L). Barium, copper, selenium, uranium and zinc were also detected in low concentrations in 2013. High concentrations of dissolved metals that exceeded the WQCC standards in all of 2013 include arsenic, iron and manganese. Other dissolved metals detected include barium, lead, selenium, uranium and zinc in 2013. For a complete list of metals detected, see Sections 8.4.2 and 8.4.3 data tables.

In 2013 two organic compounds were detected: 1,2,4-Trimethylbenzene (0.019 mg/L) in the first quarter and 1-Methylnaphthalene in the second (0.018 mg/L) and fourth (4.7E-03 mg/L) quarters that exceeded the EPA RSL standards. Low concentrations of 1,3,5-Trimethylbenzene, acetone, isopropylbenzene, n-Propylbenzene and 2,4-Dimethylphenol were also detected throughout 2013 in GWM-1. Section 8.4.4 data table lists all the VOCs and SVOCs analyzed. See Section 8.4 for a complete list of analytes discussed for GWM-1.

GWM-2 and GWM-3 were installed and developed in 2005 as dry wells. Both of these wells are checked quarterly for the presence of water. If water is detected, the information is reported to NMED and OCD within 24 hours of discovery. Ground water samples are collected only if there is an adequate supply for retrieval. After samples are collected, well is bailed of remaining water and depth to water is re-measured and recorded to check recharge rate if applicable.

Water was first discovered in 2008 in the first quarter while conducting a quarterly inspection of GWM-2. Depth to water of 18.45 feet was measured, with an estimated water column thickness of 0.36 feet. NMED and OCD were notified of finding within the 24 hour reporting period. Per NMED, well was bailed dry after samples were collected to monitor recharge rate. GWM-2 did not recharge and remained dry. Quarterly inspections in the second quarter of 2010 discovered water in GWM-2 with an estimated water column thickness of 1.5 feet and GWM-3

had an estimated water column thickness of 0.88 feet. Water was purged from each well with a disposable bailer, gauged and recorded on the field log. No samples were collected due to low water level. Both wells were re-checked on June 4, 2010 and found to be dry, however in the third and fourth quarters of 2010, water was discovered in GWM-2 and GWM-3. 24 hour notification was given to NMED and OCD of finding. Weekly inspections were done to monitor recharge rate on both wells and ground water samples were collected from both wells in September and October of 2010.

GWM-2 and GWM-3 continued to show a water level during quarterly inspections through 2011. Per NMED's instructions, Western was instructed to take monthly measurements of both wells from February thru June of 2011. Recharge rate remained steady and no significant water level increase was observed in GWM-2 or GWM-3 during this period. Monthly checks were discontinued in July 2011. Ground water samples were collected quarterly from each well in 2011.

2013 quarterly inspections of GWM-2 continued to indicate the presence of water in all four quarters. GWM-2 estimated water column thickness levels fluctuated from first quarter of 2.04 feet to fourth quarter of 0.42 feet. GWM-3 quarterly inspections for 2013 all indicated no presence of water. In late 2012 through early 2013 the levels in the aeration lagoons dropped approximately one to two feet and gravitational flow between lagoons to pond 1 began to decrease. The last effluent going into AL-1 (Pilot Effluent) was permanently routed into the WWTP in June 2013. All flows ceased to AL-1 and the levels in the lagoons began to decrease as well as gravitational flow from AL-1 to AL-2 and AL-2 to pond 1.

Grab samples collected from GWM-2 analyzed for BTEX constituents were all less than the reporting detection limit from 2008 to 2013. Low concentration of MTBE was detected in 2013. See Section 8.4 data table for a list of the BTEX constituents analyzed. Chloride and sulfate exceeded detection levels in all of 2013. Nitrate (44 mg/L) was also above the detection level of 10 mg/L in the third quarter of 2013. DRO and MRO were non detect while GRO was detected only in the first quarter at 0.052 mg/L. See Section 8.4.1data table.

Total metals detected exceeding the applicable standards for 2013 include manganese (1.1 mg/L) and uranium (0.16 mg/L) and iron in the second quarter at 1.6 mg/L. In dissolved metals analysis, manganese and uranium both were above the detection levels and low concentrations of arsenic, barium copper, iron, lead, selenium and zinc were also detected. No VOCs were detected in GWM-2 in 2013. See Section 8.4 data tables for the complete analytical summary.

No samples were collected from GWM-3 for 2013 as there was no water discovered during quarterly inspections.

6.2.2 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

NAPIS-1 is an up gradient well located on the southeast side of the NAPIS. Down gradient from NAPIS-1 (West) are NAPIS-2, NAPIS 3 and KA-3 located along the west bay of the NAPIS. NAPIS-2 is located on the southwest corner of the west bay of the NAPIS while NAPIS-3 is located on the northwest corner of the west bay, and situated in between is KA-3.

NAPIS wells were sampled on a quarterly basis. Third quarter sampling was combined with the annual sampling event per approval from NMED and OCD. Ground water samples were analyzed for the following analytes: Major cations/anions, 8021B plus MTBE, 8270 plus phenol, 8015B, and WQCC Metals. NAPIS wells were sampled on the following dates:

NAPIS-1: 3/18/13, 6/12/13, 9/3/13, 11/12/13	NAPIS-3; 3/18/13, 6/12/13, 9/3/13, 11/12/13
NAPIS-2: 3/18/13, 6/12/13, 9/3/13, 11/12/13	KA-3: 3/18/13, 6/12/13, 9/3/13, 11/12/13

All of the NAPIS wells are screened in what is known as the Chinle/Alluvium Interface stratigraphic unit. The three NAPIS wells (NAPIS 2, NAPIS-3 and KA-3) located adjacent to the NAPIS on the west side are located below ground level to allow for vehicle/equipment access into and around the NAPIS area. During quarterly inspections upon removing the cover, standing water was observed inside the vault of each well. The standing water was removed from each well and placed inside a container for proper disposal before well cap was removed to continue with quarterly sampling.

In NAPIS-1, BTEX and MTBE constituents were at non-detectable levels from 2008 through 2013 (<RL). No anions were detected above the applicable standards in 2013 as well as no detection of DRO/GRO/MRO. See Section 8.5.1 data table. Total metals analysis detected only one metal, iron (1.4 mg/L) in the first quarter that was above the WQCC standard of (1.0 mg/L). Low concentrations of arsenic, barium, manganese, selenium, uranium and zinc were also detected in 2013. See Section 8.5.2 data table for total metals list. No dissolved metals exceeded any applicable standards only low concentrations of arsenic, barium, iron, manganese, selenium and uranium were detected. No VOCs have been detected in NAPIS-1. See Section 8.5 data tables for a complete list of constituents for NAPIS-1.

In NAPIS-2, high concentrations of benzene and MTBE have been detected from 2008 through 2013 exceeding the EPA MCL (0.005 mg/L) for benzene and NMED Tap Water (0.125 mg/L) standard for MTBE. Low concentration of ethyl benzene has been detected in all of 2013 and total xylene detected in the first and fourth quarters of 2013. High concentration of fluoride was detected in the second half of 2013 and chloride was detected in the first, third and fourth quarters all exceeding applicable standards. Low concentrations of bromide and sulfates were also detected that did not exceed applicable standards. DRO was detected in the first, second and fourth quarters exceeding the applicable standards. GRO was also detected in the ground water samples collected in all four quarters of 2013. No MRO was detected in 2013. See Section 8.5.1 for a complete list of the analytical summary.

High concentrations of total and dissolved metals, barium, iron and manganese were detected in all four quarters of 2013. Low concentrations of arsenic, copper, lead, selenium and zinc were also detected at concentrations below the applicable standards for both total and dissolved metals analyses. Uranium was less than the RL (<0.001 mg/L) for 2013. Dissolved metals analysis also detected low concentrations of arsenic, selenium and zinc at various times in 2013. See Section 8.6.2 and 8.6.3 data tables for a complete list of the WQCC analytical summaries.

In NAPIS-2, two organic constituents were detected exceeding the applicable standards in the third quarter, 1-Methylnaphthalene (9.4E-03 mg/L) and naphthalene (4.8E-03 mg/L). Low concentrations

of isopropylbenzne, n-Propylbenzene, sec-Butylbenzene and 1.2,4-Trimethylbenzene were also detected. Section 8.5.4 data table contains the analytical summary for volatile and semi-volatile organic compounds.

In NAPIS-3, no BTEX and MTBE constituents have been detected from the second half of 2010 through 2013. Chloride levels have exceeded the applicable standards since 2008 with the highest concentration for 2013 detected in the fourth quarter at 990 mg/L. Nitrates were also detected in all four quarters of 2013 exceeding the applicable standard. Low concentrations of fluoride, bromide and sulfate were also detected and no detectable concentrations of DRO/GRO or MRO. See tables 8.5 and 8.5.1 data tables for complete analytical summary.

Total metals analyzed detected high concentrations of iron and uranium in all four quarters of 2013 and in the first quarter, arsenic, barium, chromium and mercury were detected. Lead and manganese were also detected exceeding applicable standards. (See Section 8.5.2). Dissolved metals analyzed include uranium exceeding the WQCC standard of 0.003 mg/L in all four quarters of 2013 and iron and manganese detected in the first quarter exceeding the WQCC standards. Low concentrations of arsenic, barium, copper, lead, selenium, and zinc were also detected. See Section 8.5.3 data tables for dissolved metals list.

No SVOCs or VOCs have been detected since the third quarter of 2010 through 2013. Four organic constituents were detected in June 2010, fluorene and phenanthrene at concentrations below applicable standards and 1-Methylnaphthalene (0.05 mg/L) and naphthalene (0.045 mg/L) were detected exceeding the applicable standards. See Sections 8.5.4 data table for a list of organic compounds detected.

In KA-3, benzene was detected in the first quarter (0.011 mg/L) and second quarter (0.009 mg/L) exceeding the EPA MCL standard of 0.005 mg/L. MTBE was detected in the third quarter at 0.2 mg/L exceeding the NMED Tap Water standard of 0.125 mg/L. Low concentration of ethyl benzene has also been detected in 2013. See data table in Section 8.5 for analytical data.

Fluoride exceeded the WQCC standard of 1.6 mg/L in the first quarter of 2013 with a concentration of 1.8 mg/L. Low concentrations of chloride, bromide and sulfate were also detected in all four quarters of 2013. Nitrates were also above the applicable standards in the third quarter (20 mg/L). DRO and MRO concentrations were all non-detect for 2013 and GRO was detected in the first (0.063 mg/L) and second (0.072 mg/L) quarters. See Section 8.5.1 data table for list of the analytical data.

Total and dissolved metals analysis for KA-3 include the detection of manganese which exceeded the WQCC standard of 0.2 mg/L in all of 2013. Low concentrations of arsenic, barium, iron, lead, selenium, uranium and zinc were also detected. See Sections 8.5.2 and 8.5.3 data tables for a complete list of the analytical summaries for the total and dissolved metals.

No SVOCs or VOCs were detected in KA-3. In the past, five organic constituents, fluorene, 2-Methylphenol, phenanthrene, 1-Methylnaphthalene and naphthalene have been detected in 2009 and 2010. 1-Methylnaphthalene and naphthalene concentrations were the only two organics that exceeded the applicable standards and were last detected in 2011.

Section 8.5 contains a complete list of the analytical summaries for the NAPIS wells discussed in this section.

6.2.3 OAPIS-1

OAPIS-1 is a new well installed at the aeration basin on the northeast edge of aeration lagoon 2 (AL-2), (former site of the benzene strippers). OAPIS – 1 is screened in the Chinle/Alluvium Interface stratigraphic unit. This well was installed on June 17, 2012 per the Investigation Work Plan Solid Waste Management Unit (SWMU) No. 1 Aeration Basin and SWMU No. 14 Old API Separator site investigations. A request was made to NMED to add this new well to the 2013 Monitoring Schedule to be done on a quarterly basis. Third quarter sampling was combined with the annual sampling event per approval from NMED and OCD. Ground water samples were analyzed for the following analytes: 8260B plus MTBE, 8015B, 8270, Major Cations/Anions and WQCC Metals. The well was sampled on the following dates:

OAPIS-1: 3/18/13, 6/12/13, 9/3/13, 11/11/13

Benzene and MTBE were detected in all four quarters of 2013 exceeding the EPA MCL and NMED Tap Water standards. No detection of toluene and low concentrations of ethylbenzene and xylene. Chloride exceeded the WQCC standard of 250 mg/L in all four quarters as well. DRO was also detected in all four quarters exceeding the NMED TPH screening guidelines of 0.2 mg/L. GRO was also detected and MRO detected only in the third quarter. Total metals that exceeded the applicable standards include arsenic, iron, manganese, uranium and cyanide. Low concentrations of barium, chromium, copper, selenium and zinc were also detected. Phenol was detected in the first quarter at 0.01 mg/L which is above the WQCC standard of 0.005 mg/L and 1-Methylnaphthalene was detected in the second and fourth quarters at concentration levels above the EPA RSL standard.

6.3 CONSTITUENT LEVELS IN GROUP C MONITORING WELLS

6.3.1 OW-13, OW-14, OW-29, OW-30

The OW wells in this section are located on a flat terrain on the northeast section of the refinery. OW-14 is located directly north of the LPG tank farm. OW-13 is down gradient (north-northwest) from OW-14. OW-29 is located down gradient from OW-30 (north-northwest) and OW-30 is down gradient from OW-14 (east-northeast) located on the east side of the rail road track spur that enters the refinery property from the north and ends at the rail car loading rack. These wells were sampled on a quarterly basis. Third quarter sampling was combined with the annual sampling event per approval from NMED and OCD. Ground water samples were analyzed for the following analytes: 8260B plus MTBE and for annual the addition of WQCC metals analysis. These wells were sampled on the following dates:

OW-13: 3/19/13, 6/13/13, 9/4/13, 11/11/13	OW-29: 3/19/13, 6/13/13, 9/4/13, 11/11/13
OW-14: 3/19/13, 6/13/13, 9/4/13, 11/11/13	OW-30: 3/19/13, 6/17/13, 9/4/13, 11/11/13

Three of the OW well (OW-14, OW-29 and OW-30) are screened in the Chinle/Alluvium Interface and OW-13 is screened in the Sonsela stratigraphic unit. OW-13 had no detectable BTEX constituents from 2006 to 2013. A low concentration of MTBE has been detected in this well since 2007 and analytical data indicates concentration levels are steadily increasing from year to year. No metals were detected that exceeded the applicable standards in 2013 for both total and dissolved metals analysis, however low concentration of uranium has been detected. No VOCs or SVOCs have been detected in this well. See Section 8.8 data tables for the analytical summaries.

OW-14 in this group is the only well which has high concentrations of benzene, ethyl benzene and MTBE exceeding applicable standards. Benzene analytical data indicates that since 2006, concentrations have been increasing from year to year with a high of 3.3 mg/L recorded in the fourth quarter 2013. Ethylbenzene has also exceeded the EPA MCL standard of 0.7 mg/L since fourth quarter 2010. MTBE has exceeded the EPA Tap Water Standard of 0.125 mg/L since 2006 through 2013 with a concentration level of 1.1 mg/L in fourth quarter 2013. Analytical data indicates that Benzene, ethylbenzene and MTBE concentrations have been increasing from year to year since its first detection. See Section 8.8 data table for analytical summaries. DRO was detected at 7.8 mg/L exceeding the NMED Table 6 screening guidelines and GRO was also detected at 7.6 mg/L while there was no detection of MRO in OW-14. Total metals analysis detected high concentrations of arsenic, barium, iron, and manganese in 2013. Low concentrations of lead, selenium, and uranium were also detected. Dissolved metals analysis detected high concentrations of arsenic, barium, iron and manganese and low concentrations of selenium, uranium and zinc for 2013. See Section 8.8.2 and 8.8.3 for metals summary.

One VOC (1-Methylnaphthalene) was detected that exceeded the EPA RSL Tap water standard of 9.7E-04 mg/L in the third and fourth quarter of 2013 and a low concentration of isopropylbenzene was detected in the fourth quarter 2013. In 2008 through 2011, 1-Methylnaphthalene has been detected exceeding the EPA RSL standard of 9.7E-04 mg/L and naphthalene (2.1E-03 mg/L) was also detected in the third quarter 2011 exceeding the NMED Tap Water Standard of 1.43E-03 mg/L. See section 8.8.4 for list of VOCs analyzed.

In OW-29, high concentrations of MTBE have been detected since 2010 through 2013 all exceeding the 0.125 mg/L NMED Tap Water standard. MTBE concentration has been steadily increasing since its detection in 2007 at 4.3E-03 mg/L to a high of 1.7 mg/L in the fourth quarter of 2013. BTEX constituents have been non-detect since 2006 through 2013. Section 8.8 for the analytical summary.

DRO/MRO were all non-detect and GRO was detected at 0.88 mg/L in OW-29. Total metals analyzed include detection of uranium exceeding the WQCC standard of 0.03 mg/L in all four quarters of 2013 and manganese in the first, second and fourth quarter all at levels above the applicable standards. Low concentrations of arsenic, barium, iron, selenium and zinc were also detected. Dissolved metals analysis detected manganese and uranium as exceeding the WQCC standard in all of 2013. Low concentrations of arsenic, barium, iron and selenium and zinc were also detected. See Section 8.8.2 and 8.8.3 for metals summary.

No VOCs have been detected in OW-29 from 2009 through 2013. In one sampling event in 2008, 1,2-Dichloroethane (EDC), was detected in the fourth quarter at 1.0E-03 mg/L. See Section 8.8.1 for list of VOCs.

In OW-30, MTBE has been detected since 2007 through 2013 all at concentration exceeding the 0.125 mg/L NMED Tap Water standard. Analytical data indicates MTBE concentration has been increasing from year to year. BTEX constituents have all been non-detect since 2007. DRO/MRO were all non-detect and GRO was detected at 1.4 mg/L in OW-30. See Section 8.8 for the complete analytical summary.

Total and dissolved metals analysis detected uranium exceeding the WQCC standard of 0.03 mg/L in all four quarters of 2013. Other metals detected include arsenic, barium, iron and manganese, and selenium that did not exceed applicable standards. Dissolved metals analysis also detected the following metals that did not exceed applicable standards: Arsenic, barium, iron, manganese, selenium and zinc in 2013. See Section 8.8.2 and 8.8.3 for metals summary.

No VOCs have been detected in OW-30 from 2010 through 2013 that exceeded applicable standards, however in the fourth quarter of 2013, chloroethane (4.7E-03 mg/L) was detected for the first time in this well. In December 2007, 1,2-Dichloroethane (EDC) was detected for the first time and again in 2008 and 2009 at concentrations below the EPA MCL standard of 0.005 mg/L. See section 8.8 for a complete list of the analytical summary for the wells discussed in this section.

6.3.2 OW-50, OW-52

OW-50 and OW-52 were installed in October 2009 to monitor the possible migration of MTBE from up-gradient wells OW-14, OW-29 and OW-30 located on the northeast section of the refinery property. In the 2011 Facility Wide Ground Water Monitoring Work Plan, 2011 Updates, a request was made by Western to change the sampling frequency from quarterly to annual. On September 24, 2012, NMED concurred with Western's request in the NMED Disapproval, Facility Wide Ground Water Monitoring Work Plan 2011 Updates, Comment 6. Ground water samples were analyzed for the following analytes: 8260B plus MTBE, 8270 plus phenol, 8015B, General Chemistry and WQCC Metals. Wells were sampled on the following dates:

OW-50: 9/4/13	OW-52: 9/4/13

OW-50 and OW-52 are screened in the Chinle/Alluvium Interface. No BTEX and MTBE constituents have been detected in OW-50 and OW-52 since 2009 through 2013. Low anion concentrations were detected in OW-50 and OW-52 as well as no detection of DRO/GRO or MRO. No metals (total or dissolved) exceeded any applicable standards in 2013, however low concentrations of arsenic, barium, iron, lead, manganese uranium and zinc were detected in OW-50/52. No SVOCs were detected in OW-50/52, however in March 2010, benzoic acid (0.02 mg/L) and bis(2-ethylhexyl) phthalate (0.011 mg/L) were detected during a quarterly sampling event in OW-50. The detection of these two organic compounds may possibly be lab contaminants or from the PVC pipe casing materials used for this well. Refer to Section 8.9 data tables for a complete list of the analytical

summary for this well. Refer to Section 8.9 data tables for a complete list of the analytical summary for this well.

6.3.3 RW-1, RW-2, RW-5, RW-6

The RW series of wells are shallow recovery wells from which separate-phase hydrocarbons (SPH) have been recovered on a quarterly basis. RW-1 is located on the eastern section of the refinery tank farm, (East of Tank 568); RW-2 is located between tanks 581 and 582 on the lower northeast section of the tank farm; RW-5 and RW-6 are located on the north west corner of the refinery tank farm east of tanks 337 and 345. These wells were added to the annual sampling schedule per Approval with Modifications, 2010 Facility Wide Ground Water Monitoring Work Plan dated August 25, 2010, which requires all wells including recovery wells containing separate phase hydrocarbons, for sample collection. Annual sampling was conducted for the first time for the RW series of wells in 2011. The wells are sampled for the following analytes: Major cations/anions, 8260B plus MTBE, 8270 plus phenols and WQCC metals. The wells were inspected and sampled on the following dates:

RW-1: 3/26/13, 6/17/13, 11/12/13 Sampled: 9/16/13	RW-5: 3/26/13, 6/17/13, 11/12/13 Sampled: 9/16/13
RW-2: 3/26/13, 6/17/13, 11/12/13 Sampled: 9/16/13	RW-6: 3/26/13, 6/17/13, 11/12/13 Sampled: 9/16/13

All of the RW wells are screened in the Chinle/Alluvium Interface. BTEX and MTBE constituents exceeded the applicable standards in RW-1 and RW-2 in 2011, 2012 and 2013. Chloride levels also exceeded the applicable standard of 250 mg/L in 2013 in RW-1. Total metals detected at high concentrations in RW-1 include barium (4.9 mg/L), iron (19 mg/L) and manganese (3.3 mg/L) for 2013. Low concentrations of arsenic, chromium, copper, lead, selenium, uranium and zinc were also detected in RW-1. Dissolved metals include barium, iron and manganese with concentration levels above the applicable standards in 2013. Low concentrations of arsenic, and zinc were also detected. One organic compound, 1,2,4-Trimethylbenzene (1.3 mg/L) was detected above the EPA RSL standard of 0.015 mg/L. In 2013, four SVOCs were detected that exceeded applicable standards:

Naphthalene (0.43 mg/L), 1-Methylnaphthalene (0.19 mg/L), 2-Methylnaphthalene (0.21 mg/L) and phenol (0.1 mg/L). Low concentrations of aniline, 2,4-Dimethylphenol, 2-Methylphenol, 3+4-Methylphenol and phenanthrene were also detected. See Section 8.10 data tables for a complete list of the analytical summary.

No anions were detected in RW-2 that exceeded applicable standards for 2013. Total and dissolved metals that exceeded the applicable standards include barium, iron and manganese. Low concentrations of arsenic, selenium, and zinc were also detected. In 2012 no VOCs were detected, however in 2011, 1,2,4-Trimethylbenzene, naphthalene and 1-Methylnaphthalene were detected at high concentrations as well as low concentrations of chloromethane and n-propylbenzene. See Section 8.10 data tables for a complete list of the analytical summary.

In RW-5 benzene and ethyl benzene exceeded the applicable standards in 2011, 2012 and 2013. Total xylene, MTBE and anions were also detected at concentrations below the applicable standards in 2013. Total and dissolved metals that exceeded the applicable standards include barium, iron and manganese. Low concentration of arsenic was detected while uranium was non-detect for 2013 (<0.001 mg/L). Dissolved metals analysis indicated low concentrations of arsenic, and zinc in 2013. High concentration of four organic compounds were detected that exceeded the applicable standards: 1,2,4-Trimethylbenzene (0.09 mg/L), naphthalene (0.12 mg/L), 1-Methylnaphtalene (0.097 mg/L), 2-Methylnaphthalene (0.13 mg/L), and phenol (0.018 mg/L) in 2013. Low concentrations of 1,3,5-Trimethylbenzene and n-Propylbenzene were also detected in 2013. See Section 8.12 data tables for a complete list of the analytical summary.

In RW-6 benzene, ethyl benzene and total xylene were all detected at concentration levels above the applicable standards. Low concentrations of toluene and MTBE were also detected in 2013. No anions were detected exceeding the applicable standards in RW-6. Total and dissolved metals that exceeded the applicable standards include arsenic, barium, iron and manganese. Lead and selenium were detected below applicable standards and no detection of uranium (<0.001 mg/L) in 2013. Low concentrations of arsenic, lead, selenium and zinc were detected as dissolved metals. Five VOCs were detected which exceeded applicable standards in 2013: 1,2,4-Trimethylbenzene (0.28 mg/L),

1,3,5-Trimethylbenzene (0.14 mg/L), naphthalene (0.48 mg/L), 1-Methylnaphthalene (0.2 mg/L) and 2-Methylnaphthalene (0.27 mg/L) in 2013. See Section 8.10 data tables for a complete list of the analytical summary.

Quarterly inspections for the RW series of wells include product recovery through the use of disposable bailers in RW-5 and RW-6 and a portable 2-inch bladder pump in RW-1. All purged water is collected in a 55 gallon drum or a 5 gallon bucket. The visible layer of hydrocarbon floating on the top is measured in inches before it is disposed of upstream of the NAPIS. Calculations are an estimated value based on the sampler's measurements and observations. See Appendix A for year to date information on the amount of hydrocarbon recovered from each well.

Hydrocarbon recovery from RW-1 has shown a steady decrease of hydrocarbon levels from 2005 to 2013. Total hydrocarbon recovery for 2013 was estimated at 2.3 gallons in 86 gallons of water purged compared to 2005 when an estimated 431 gallons of hydrocarbons was recovered in 1,210 gallons of total water purged. RW-1 quarterly inspections and SPH recovery continues. No measureable hydrocarbon has been detected in RW-2 during quarterly inspections and no product recovery is done at this well.

In RW-5 and RW-6, water is purged using a polyethylene disposable bailer. Purged water is collected in a 5 gallon bucket and disposed of upstream of the NAPIS. RW-5 has shown a steady decrease of hydrocarbon levels from 2005 to 2013. In 2005 an estimated 17 gallons of hydrocarbons was recovered and the last time hydrocarbons were recovered from this well was in 2009 with an estimated 0.05 gallons of product in 15 gallons of water purged. Although no measureable hydrocarbon layer has been detected since 2010, quarterly bailing continues as the water purged contains an oil sheen, has a slight yellow tint and also a hydrocarbon odor was detected.

RW-6 has also shown a decrease in product recovery compared to 2005 where an estimated 17 gallons of product was recovered and none in 2013. Although no measureable hydrocarbon level is detected during quarterly inspections, bailing continues as the purged water observed contains an oil sheen, has a slight yellow tint and a hydrocarbon odor was detected.

6.4 CONSTITUENT LEVELS IN GROUP D MONITORING WELLS

6.4.1 PW-2, PW-3, PW-4

PW-2, PW-3 and PW-4 are all process/production wells which supply process and domestic water for the refinery, company housing and for the Pilot Travel Center. PW-2 is located on the west side of the refinery property, directly west of evaporation pond 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 next to the Pilot Lift Station. All three wells are set at 1000 feet and are located in the San Andreas/Yeso Aquifer.

PW-2 and PW-4 are on a 3 year staggered annual sampling schedule. PW-2 is scheduled for sampling in 2014 and PW-4 is scheduled for 2013. PW-3 is currently on an annual sampling schedule which began in 2010 due to the detection of 2-Methylnaphthalene (0.032 mg/L) at a concentration level above the EPA RSL standard of 0.027 mg/L. Pursuant to NMED's Comment 12 of the May 16, 2011 NOD (May 2011 NOD) for the Annual Ground Water Monitoring Report 2009, sampling was changed to an annual event. Ground water samples were analyzed for the following analytes: 8260B plus MTBE, 8270 plus phenol, WQCC Metals, cyanide and nitrates. Process wells were sampled on the following dates:

PW-3: 9/10/2013
PW-4: 9/10/2013

In PW-3, analytical results for BTEX and MTBE concentration levels were all non-detect (<RL) for 2013. No metals (total/dissolved) were detected that exceeded any applicable standards, however low concentrations of arsenic, barium, iron, manganese, selenium, uranium and zinc were detected. No VOCs or SVOCs were detected in PW-3 in 2013. However in January 2008 2-Methylnaphthalene (0.032 mg/L) was detected for the first time in PW-3 exceeding the EPA RSL standard of 0.027 mg/L.

Low concentrations of 2,4-Dimethylphenol (0.016 mg/L), 2-Methylphenol (0.21 mg/L), 3+4-Methylphenol (0.36 mg/L), phenanthrene (0.017 mg/L) and phenol (0.8 mg/L) were also detected. PW-3 was re-sampled in August 2008 along with a blind duplicate and analytical results confirmed no detectable concentration levels of SVOCs.

PW-4 analytical results for BTEX and MTBE were all non-detect or less than the reporting detection limit for 2013. Iron (1.5 mg/L) was the only metal that exceeded the WQCC standard of 1.0 mg/L in 2013. Low concentrations of arsenic, barium, manganese, selenium, uranium and zinc were also detected. Three organic compounds were detected in 2013 at concentration levels below the applicable standards and are listed as follows: 1,2,4-Trimethylbenzene (6.8E-03 mg/L), 1,3,5-Trimethylbenzene (2.3E-03 mg/L) and n-Propylbenzene (1.3E-03 mg/L).

PW-2 was last sampled in 2011 and next scheduled sampling is in 2014. See Section 8.11 for a complete list of the analytical summaries for the PW wells.

6.4.2 OW-1, OW-10

OW-1 is located on the west side of the refinery property (west of EP-6). OW-10 is located up-gradient from OW-1 on the southeast section of the refinery property (east side of EP-9). OW-1 and OW-10 are screened in the Sonsela stratigraphic unit. In the approved 2010 FWGWMP (August 25, 2010), inspection requirements were modified on both of these wells to include sampling on a quarterly basis. Third quarter sampling was combined with the annual sampling event per approval from NMED and OCD. Ground water samples were analyzed for the following analytes: Major cations/anions, 8260B plus MTBE, 8015B and WQCC Metals. Ground water samples were taken on the following dates.

OW-1: 3/19/13, 6/13/13, 9/4/13, 11/11/13
OW-10: 3/19/13, 6/13/13, 9/4/13, 11/11/13

BTEX and MTBE analytical results continue to indicate no detectable levels from 2010 through 2013 in OW-1. Low concentrations of anions, nitrates were detected including no detectable levels of DRO/GRO/MRO in 2013. Uranium was the only metal (total/dissolved) that exceeded the WQCC standard of 0.03 mg/L from 2010 through 2013. Other metals detected at low concentrations include arsenic, barium, lead, manganese, selenium and zinc. Section 8.12.2 contains the analytical summary for the total metals and Section 8.12.3 contains the analytical summary for the dissolved metals. No VOCs were detected in OW-1 for 2013. For a complete list of the analytical summaries for OW-1 see Section 8.12.

In OW-10, analytical results for BTEX have all been less than the reporting detection limit (<RL) from 2010 through 2013. MTBE was detected exceeding the NMED Tap Water screening standard of 0.125 mg/L in the first (0.17 mg/L) and second (0.22 mg/L) quarters in 2013. Analytical data for MTBE indicates an increase in concentration from 2010 and exceeded the NMED Tap Water standard of 0.125 mg/L for the first time in the second quarter of 2012. Chloride was the only anion that exceeded the WQCC standard of 250 mg/L in all four quarters in 2013 with the highest reading in the second quarter (2400 mg/L). Nitrate also exceeded the WQCC standard of 10 mg/L in the third quarter 2013. GRO was detected in the first (0.11 mg/L), second (0.15 mg/L), third (0.051 mg/L) and fourth (0.055 mg/L) quarters of 2013. No DRO/MRO was detected. Uranium was the only metal (total/dissolved) that exceeded the WQCC standard of 0.03 mg/L from 2010 through 2013. Other metals (total/dissolved) detected at low concentrations include arsenic, barium, manganese, selenium and zinc. Section 8.12.2 contains the analytical summary for the total metals and Section 8.12.3 contains the analytical summary for the dissolved metals. Three organic constituents were detected at low concentrations in the first and second quarters of 2013 and are listed as follows: 1,1-Dichloroethane, 1,2-Dichloroethane (EDC), and 1,1-Dichloroethene. For a complete list of analytes for OW-10 see Section 8.12 data tables.

6.4.3 OW-11, OW-12

OW-11 is located along the main entrance into the refinery property on the southeast section of the

refinery property (west of the main entrance road). OW-12 is centrally located in the refinery directly northwest of the main refinery tank farm, also known as the bone yard and/or surplus yard. OW-11 and OW-12 are screened in the Sonsela stratigraphic unit. Ground water sampling is conducted annually. Ground water samples were analyzed for the following analytes: OW-11 - Major cations/anions, 8260B plus MTBE, 8270 plus phenol, and WQCC metals and for OW-12: 8260B plus MTBE, general chemistry and WQCC metals. Wells were sampled on the following dates:

OW-11: 9/16/13	OW-12: 9/10/13

In OW-11 and OW-12, analytical results for BTEX and MTBE were all non-detect from 2006 through 2013. In OW-11, fluoride and sulfate concentration levels exceeded the applicable standards in 2013. Uranium was the only metal (total/dissolved) detected which exceeded the WQCC standard of 0.03 mg/L from 2007 through 2013 in OW-11. Low concentrations of arsenic, barium, iron, manganese and selenium were detected as total/dissolved metals. Additional dissolved metals analysis detected include arsenic, and zinc. No VOCs have been detected in OW-11 or OW-12. For a complete list of analytes see Section 8.13 data tables.

In 2013, no metals (total/dissolved) were detected that exceeded the applicable standards. Low concentrations of arsenic, barium, iron, manganese, uranium and zinc were detected. See section 8.13 data tables for a complete list of the analytical summary.

6.5 CONSTITUENT LEVELS IN EVAPORATION PONDS, INFLUENTS, EFFLUENTS, BOILER WATER TO EP-2 AND LEAK DETECTION UNITS

6.5.1 EVAPORATION PONDS 1 THROUGH 12B

The evaporation ponds are located on the west-northwest section of the refinery property. In 2011, the approved FWGWMP (August 25, 2010) added ponds 9A, 11, 12A and 12B to the monitoring

schedule and sampling frequency was changed from annual to semi-annual. Evaporation pond water samples were analyzed for the following analytes: General Chemistry, 8260B plus MTBE, WQCC metals, 8270 plus phenol, Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), E-Coli Bacteria. The ponds were sampled on the following dates:

EP-1 thru EP-12B: 5/28/13, 5/29/13, 10/15/13, 10/16/13

For clarification on pond 1 (identified as EP-1), is a holding pond for the aeration lagoons and is not considered as an evaporation pond but rather a holding pond (commonly referred to as pond 1) and is not included in SWMU No. 2 Evaporation Ponds. Pond 1 (EP-1) has been continually sampled with the evaporation ponds on a semi-annual basis.

Analytical results for BTEX and MTBE were all at non-detectable concentration levels for EP-1 through EP-12B in 2013. High concentrations of fluoride, chloride, and sulfates have been detected in all of the evaporation ponds in 2013. BOD and COD analyses exceeded the general requirements listed in 20 NMAC 6.2.2101 in EP-1 through EP-12B. See Section 8.14.1 and 8.14.2 for a complete list of the analytical summaries.

Total metals detected that are common to all the ponds are arsenic and manganese with concentration levels exceeding the applicable WQCC standards in 2013. Iron was detected in EP-2 through 12B and selenium was detected in EP-7, EP-8 and EP-9 all at concentration levels above the WQCC standards. Low concentrations of barium, chromium, and zinc have also been detected in several of the evaporation ponds. Low concentration of uranium has only been detected in EP-1. Section 8.14.3 data table contains a complete list of total metals detected.

Dissolved metal manganese was detected in all of the ponds except in EP-4. Iron was also detected in EP-2 and arsenic was detected in EP-2 through EP-12A at concentrations above the applicable standards in 2013. Section 8.14.4 data table contains the dissolved metals list.

In 2013 no VOCs were detected in any of the evaporation ponds including pond 1. SVOCs detected in various ponds include the following: Aniline was detected in EP-2, EP-4, EP-5 and EP-12A/B above

the EPA RSL standard of 0.012 mg/L. 2-Methylphenol was found in EP-2, EP-3 and EP-12B and phenol was detected in EP-2 through EP-6 and EP-12B. See Section 8.14 data tables for a summary of all analytes discussed in this section.

6.5.2 INFLUENTS TO AL-1; AL-2; EP-1

In 2013, the fluid levels in the lagoons began to decline due to re-routing of the influents into the WWTP. The lagoons at the aeration basin had higher than normal fluid levels beginning in the second half of 2011 through 2012 due to an increase in water usage in the process units and high precipitation. As a result the outlet discharge pipes going into pond 1 (EP-1) was immersed under water for most of 2012 due to the high levels.

Initial start up of the new Waste Water Treatment Plant (WWTP) occurred in May 2012 and all waste water was routed to the WWTP via Tank 35 and the NAPIS unit by the end of June 2012. Last set of samples collected from Infl to AL-1 was in June 2012 and the only "waste water" going into AL-1 was from the pilot lift station. The water level in AL-1 remained constant as this lagoon continued to receive effluent from the pilot lift station and gravitational flow continued between AL-1 to AL-2 and AL-2 to pond-1. Grab samples were collected at sample points as long as there was continued gravitational flow.

These outfalls were sampled on a quarterly basis. Influent to AL-1 and AL-2: 8260B plus MTBE, BOD, COD, Chloride, 8015B, pH and Phenol. Influent to EP-1: Major cations/anions, pH, BOD, COD, 8260B plus MTBE, 8270 plus phenol, 8015B, and WQCC Metals. Method 8270 analysis was missed during the November sampling event and on 12/5/12 samples were collected. Influents were sampled on the following dates:

Infl to AL-2: 3/19/13, 6/13/13
Infl to EP-1: 3/19/13, 6/13/13

No samples have been collected from sample point "Influent to AL-1" since June 2012. AL-1 continued to receive effluent from the Pilot Lift station through early June 2013 and samples were collected identified as "Pilot Effluent". In the second half of 2013, the lagoons began to recede due to inactivity (no source of flow).

Gravitational flow continued between lagoons and pond 1 through the second half of 2013. Infl to AL-2 and Infl to EP-1, had no-detectable concentrations of BTEX and MTBE constituents in 2013. Chloride concentrations were also above the WQCC standard of 250 mg/L for all of 2013. DRO was detected at a concentration level above the NMED Table 6 (unknown oil) TPH screening guidelines for Potable Ground Water (GW-1) (Jun 2013) for the first and second quarters. GRO was detected at 2.1 mg/L in the first quarter and 5.0 mg/L in the second quarter and MRO was detected at 6.5 mg/L in the second quarter and no detection of DRO. BOD and COD concentration levels were above the applicable standards for the first and second quarters of 2013. No VOCs or SVOCs were detected in 2013. Section 8.18 contains the analytical summary.

Gravitational flow continued into pond-1 from AL-2 through the second half of 2013. There were no detectable concentrations of BTEX and MTBE constituents in 2013 from samples collected at Infl to pond-1. High concentrations of fluoride, chloride and sulfate were detected in all four quarters of 2013 including a high concentration of DRO and MRO in the second quarter no detection of GRO. BOD and COD concentration levels were above the applicable standards for 2013. Total metals with high concentrations include arsenic, iron and mercury in the second quarter of 2013. Low concentrations of barium, chromium, copper, lead, selenium, uranium and zinc were also detected. Analytical results for dissolved metals were all less than the WQCC standards. See Section 8.18.1 data table for list of the analytical data.

Phenol was the only SVOC detected in the second quarter 2013 exceeding the EPA RSL tap water standard (0.006 mg/L). Several VOCs and SVOCs were also detected at low concentrations and include acetone, carbon disulfide and 3+4-Methylphenol. See Section 8.18 data tables for a complete list of analytes detected.

6.5.3 EFFLUENTS: AL-2 TO EP-1; PILOT EFFLUENT, NAPIS EFFLUENT

The last flow (Pilot Effluent) going into AL-1 was routed to the WWTP in June 2013. In mid June 2012, NAPIS effluent was routed to the new WWTP via Tank 35, and the NAPIS. The last set of samples collected from sample point "NAPIS effluent" occurred in June 2012.

The effluents are sampled on a quarterly basis. Pilot Effluent is sampled for the following analytes: 8260B plus MTBE, 8015B, BOD, COD and WQCC Metals. NAPIS Effluent is sampled for the following analytes: General chemistry, 8260B plus MTBE, 8270 plus phenol, 8015B and WQCC Metals. AL-2 to EP-1 is sampled for the following analytes: Major cations/anions, 8260B plus MTBE, 8270 plus Phenol, 8015B and WQCC Metals. The effluents were sampled on the following dates:

AL-2 to EP-1: 3/19/13, 6/13/13
Pilot Effluent: 3/19/13, 6/13/13

There were no BTEX or MTBE constituents detected in effluent AL-2 to EP-1 for 2013. Fluoride, chloride and sulfate all had high concentration levels exceeding the WQCC standards in 2013. DRO also exceeded the NMED Table 6 (Unknown Oil) TPH screening guidelines in the second quarter (6.0 mg/L) in 2013 and no GRO/MRO was detected. Total metals with high concentrations include arsenic, iron, manganese and mercury, detected only in the second quarter. Low concentrations of barium, chromium, copper, lead, selenium, uranium and zinc were also detected. Dissolved metals detected low concentrations of arsenic, barium, chromium, iron, manganese, selenium, uranium and zinc. No VOCs or SVOCs were detected exceeding the applicable standards in 2013, however low concentration of acetone, carbon disulfide, 3+4-Methylphenol and phenanthrene were detected. See Section 8.17 data tables for a complete list of analytes detected.

Pilot Effluent samples had no detectable concentration levels for benzene, ethylbenzene, total xylene and MTBE constituents in 2013. A low concentration of toluene was detected in the second quarter (1.7E-03 mg/L). High concentrations of DRO was detected in both quarters exceeding the NMED Table 6 (Unknown Oil) TPH screening guidelines. GRO analysis indicated non-detect for 2013 and Motor Oil Range Organics (MRO) was detected in the second quarter at 14 mg/L. BOD and COD

concentration levels were all above the general requirements listed in NMAC 20.6.2.2101. Total metal analysis detected high concentrations of iron in the first and second quarters and low concentrations of arsenic, barium, chromium, copper, manganese, selenium, mercury and zinc. No dissolved metals exceeded applicable standards for 2013 only low concentrations of arsenic, barium, chromium, iron, manganese, selenium and zinc were detected. No VOCs were detected in 2013 that exceeded applicable standards, however very low concentrations of acetone and 4-Isopropyltoluene were detected. See section 8.17 data tables for a complete list of analytes detected.

No samples from sample point "NAPIS Effluent" were collected in 2013, as this flow was diverted into the WWTP in June 2012. See Section 8.17 data tables for a complete list of analytes detected at this location.

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

The NAPIS secondary containment units or otherwise known as the leak detection units (LDUs) are identified as East LDU, West LDU and Oil Sump LDU. The leak detection units are installed on the east and west bays for leak detection. The East LDU is located on the southeast corner of the east bay of the NAPIS unit. The West LDU is located on the southwest end of the west bay of the NAPIS unit. The Oil Sump LDU is located on the northeast section of the east bay. The LDUs are a new addition to the approved 2010 FWGWMP (August 25, 2010) sample schedule.

The west bay of the NAPIS was taken out of service for maintenance repairs in June 2013, however the LDU had a water level and samples were collected. The west bay of the NAPIS remained out of service for the remainder of 2013. In the East LDU, no water was detected during the third quarter and no samples were collected. Third and fourth quarter inspections of the Oil Sump LDU indicated a water level of less than one inch thus no samples were collected.

These units are sampled and inspected on a quarterly basis. Third quarter sampling was combined with the annual sampling event per approval from NMED and OCD. LDUs are sampled for the

following analytes: 8021B plus MTBE, 8015B and WQCC Metals. The units were sampled on the following dates:

East LDU: 3/18/13, 6/12/13, 11/12/13
West LDU: 3/18/13, 6/12/13, 9/5/13, 11/12/13
Oil Sump LDU: 3/18/13, 6/12/13

All three LDUs had high concentrations of benzene, toluene, total xylene in all four quarters of 2013. Ethylbenzene was detected in the Oil Sump LDU in the first and second quarter at concentration levels exceeding the EPA MCL standard of 0.7 mg/L. Low concentration of ethylbenzene was also detected in the East and West LDUs and no detectable level of MTBE in all three LDUs for 2013. High concentration of DRO was detected in all three LDUs as well as GRO. NO detection of MRO in any of the LDUs for 2013.

Total metals detected in the East LDU include arsenic, chromium and manganese that exceeded the applicable standards and low concentrations of barium, iron and selenium were also detected. Dissolved metals that exceeded the applicable standards include chromium and manganese in all four quarters. Arsenic, barium, iron, lead, selenium and zinc were also identified at low concentration levels. VOCs detected include 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Total metals in the West LDU that exceeded the WQCC standard include chromium, iron and manganese. Low concentrations of arsenic, barium, selenium and zinc were also detected in 2013. Dissolved metals that exceeded the applicable standards include chromium, iron and manganese. Arsenic, barium and zinc were also identified at low concentration levels. VOCs detected include 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Total metals detected in the Oil Sump LDU that exceeded the applicable standards are as follows: Arsenic, chromium and manganese and low concentrations of barium, iron, selenium and zinc were also detected in 2013. Dissolved metals that exceeded the applicable standard include arsenic, chromium, manganese and selenium. Barium, iron and zinc were also detected at low concentrations. VOCs detected include 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene. See Section 8.7 data tables for a summary of all analytes detected at these locations.

6.5.5 BOILER WATER TO EVAPORATION POND 2 (BW TO EP-2)

BW is defined as reverse osmosis water coming from the Boiler unit. The flow from the boiler unit flows into EP-2 through a 4-inch PVC pipe. The location is directly west of pond 1. BW to EP-2 is sampled on a semi-annual basis and sampled for the following analytes: Major cations and anions. BW to EP-2 was sampled on the following dates:

BW to EP-2: 5/28/13, 10/15/13

BW to EP-2 had no high concentration levels of cations and/or anions with the exception of sulfate which exceeded the WQCC standard in 2013. See Section 8.16 data tables for a complete list of analytes detected.

6.5.6 EVAPORATION POND 2 INLET (EP-2 INLET)

EP-2 Inlet designation was changed 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. 2012 sample taken for EP-2 Inlet is from STP-1 inlet flow. EP-2 Inlet is sampled on an annual basis and sampled for the following analytes: 8260B plus MTBE, 8015B, BOD, COD and TDS. EP-2 Inlet was sampled on the following date:

EP-2 Inlet: 9/5/13

Benzene (0.033 mg/L) was detected exceeding the EPA MCL standard of 0.005 mg/L during the annual sampling event and DRO was also detected at 3.3 mg/L exceeding the NMED TPH screening guidelines in 2013 and no detection of GRO/MRO. TDS was detected at 2340 mg/L, which is down from the previous year of 3720 mg/L. BOD and COD concentration levels were also above the 20 NMAC 6.2.2101 general requirements for 2013. Low concentration of acetone and 2-Butanone

were detected in 2013 that did not exceed any applicable standards. See Section 8.15 for a complete list of analytes.

6.6 ADDITIONAL SAMPLING AND/OR CHANGES

The start up of the new waste water treatment plant (WWTP) occurred in the month of May 2012. With this came revisions to the influent and effluent sample locations at the aeration lagoons, pond 1 and at the NAPIS. Sample requirements for these locations were a result of historical New API Separator Spills addressed under the OCD Discharge Permit (GW-032), Section 16. In the second half of 2012, sample location NAPIS Effluent (NAPIS EFF) and Influent to AL-1 (Infl to AL-1) were re-routed to the new WWTP and sampling at both of these location was discontinued. In June 2013, Pilot effluent was routed into the WWTP ending all flows into the aeration basin. The fluid levels in the aeration basin are slowly beginning to recede and grab samples continue to be collected at specified intervals as long as there is gravitational overflow from AL-1 into AL-2 and AL-2 into pond 1. By the third quarter of 2013 all flows ceased between lagoons and samples were no longer collected. There continues to be a fluid level in the lagoons and pond 1 due to precipitation.

In July of 2012 a new well was installed on the northwest corner of where the former benzene strippers were located. This well was installed as a result of a site investigation at the aeration basin for SWMU 1 and SWMU-14 (Old API Separator) conducted by RPS. The site investigation included numerous soil and ground water sampling at the aeration basin to determine and evaluate the presence, nature, and extent of releases at this site. The site investigation was conducted by RPS and the well was developed by Enviro-Drill, Inc. The new well is identified as OAPIS-1. Well logs and analytical data are presented in Appendix F. On April 2, 2013, OAPIS-1 was surveyed by a professional surveyor for vertical and horizontal positions, ground level elevation, well casing rim elevation, corresponding measuring point description and current coordinate system. Survey is in accordance with Sections 500.1 through 500.12 of the Regulations and Rules of the Board of Registration for Professional Engineers and Surveyors Minimum Standards for Surveying in New

Mexico. A copy of the survey is included in Appendix F. In the 2012 Updates, Facility Wide Ground Water Monitoring Work Plan, a request was made to add OAPIS-1 to the monitoring schedule for 2013, and is still pending approval from NMED. Although this request has not yet been approved, sampling began in 2013 and has been added to Group B Monitoring Wells.

The continued site investigation of the hydrocarbon seep resulted in the installation of several temporary wells of which 18 wells have been turned into permanent monitoring wells and are designated as "MKTF" wells. These wells were completed in late 2013 and have been requested to be added to the 2013 Monitoring Schedule in the 2013 Ground Water Work Plan Updates submitted in March 2014 (pending approval) to NMED. These wells will be designed as "Group E" wells in the 2014 Annual Ground Water Report. Depth to water and/or depth to product measurements are included in Section 9 as well as copies of the boring logs in Appendix F.

In the 2011 Updates for the Ground Water Work Plan, submitted March 29, 2012, a request was made to change the sampling schedule for OW-50 and OW-52 to reduce the quarterly sampling to an annual event. Since its development in 2009, no BTEX or MTBE constituents have been detected in either of these wells. Metals detection has also been minimal with only trace levels detected. On September 24, 2012, in NMED's Disapproval, Facility Wide Ground Water Monitoring Work Plan, 2011 Updates, Comment 6. NMED concurred with Western's request and annual sampling of OW-50 and OW-52 commenced in 2013.

Another requirement by NMED was to sample wells up gradient from NAPIS-1, NAPIS-2, NAPIS-3, KA-3, OW-1, OW-10 and OW-11 and review ground water analytical results to determine if uranium detections are similar to concentrations in unaffected wells, per NMED correspondence dated December 12, 2012, Comment 12, Approval with Modifications, Annual Ground Water Monitoring Report, Gallup Refinery, 2010, Revision 1. The addition of WQCC metals (total/dissolved) was added as an additional sampling requirement for all up gradient wells of the NAPIS wells as well as OW-1, OW-10 and OW-11.

A request was also made in the 2011 Work Plan Updates to change analytical sampling method 8021B to 8260B for a more detailed list of VOCs in GWM-2 and GWM-3 which may help in determining the source of the water found in these wells, (Pending approval from NMED).

SECTION 7

CONCLUSIONS AND RECOMMENDATIONS

This section is an overview of the analytical water quality data collected to identify potential impacts to the ground water 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. High concentrations of fluorides were detected in BW-1C and BW-2B which may be naturally occurring in the ground water. In BW-2B and BW-3C, two metals detected selenium and iron exceeded the applicable standards in 2013. Low concentrations of uranium have also been detected at various times in the BW wells as well as chromium in BW-1C and BW-3B. In July 2009, the semi-volatile organic compound bis(2-ethylhexyl) phthalate was detected in BW-3B and in BW-3C in 2011. In 2013, the compound bis(2-ethylhexyl)phthalate was detected for the first time in BW-1C at a concentration level of 0.01 mg/L. Detection of this organic compound in the ground water sample may be a laboratory contaminate or possibly from the PVC pipe materials used as casing for the wells. No detections of the SVOC has been identified in the ground water samples collected since its first discovery in any of the wells in this group.

RECOMMENDATION: *Continue with current monitoring schedule. There have been no significant changes or discoveries of contaminants that warrant any changes.*

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 discovered in the ground water 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 all of the MW series of wells. 2013 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 ground water collected from MW-4. The detection of this particular constituent in the ground water 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.

RECOMMENDATION: *Continue with current monitoring schedule and the RCRA 10 year monitoring. There have been no significant changes or discoveries of contaminants that warrant any changes other than the discovery of an organic compound in 2008.*

The SMW (SMW-2, SMW-4) wells are also located around the RCRA land treatment unit and are developed 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 2013. MTBE was only detected in SMW-2 in years 2008, 2010 through 2013 at concentration level below the NMED Tap Water standard of 0.125 mg/L. SMW-2 also had elevated chloride and sulfate levels, and two metals (total), manganese and uranium that were detected exceeding the WQCC standards. In SMW-4, uranium (0.031 mg/L) was the only metal that exceeded the WWCC standard of 0.03 mg/L in 2013. In 2013 no detections of any organic compounds have been detected in SMW-2 or SMW-4.

RECOMMENDATION: *Continue with current monitoring schedule and the RCRA 10 year monitoring. There have been no significant changes or discoveries of contaminants that warrant any changes. Low concentrations of MTBE discovered in SMW-2 will be monitored.*

7.2 GROUP B – GROUND WATER MONITORING

Analyses of ground water samples collected from GWM-1 indicate high concentrations of benzene which would indicate the potential for historical releases from the aeration lagoons. GWM-2 continued to have a water level throughout 2013 with no detection of BTEX constituents. MTBE has been discovered in GWM-2 at concentration levels below the NMED Tap Water Standard of 0.125 mg/L. In 2013 inspection of GWM-3 indicate no detection of water in this well for the year. Pond levels in the lagoons and pond 1 decreased in 2013 because all the influent into the aeration lagoons into the WWTP plant was completed in June 2013. The lagoons were no longer receiving any water and have been slowly receding. The levels in the lagoons and pond 1 are significantly low 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.

RECOMMENDATION: *Continue with inspections/sampling of the GWM wells.*

Also at the aeration basin are four monitoring wells situated around the NAPIS installed in 2007 and 2008 to address potential leaks of hydrocarbons 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 recorded high concentrations of benzene and MTBE. Benzene is present in KA-3 and low concentrations of MTBE have been detected. NAPIS-3 has not shown any BTEX or MTBE constituents since September 2010. 1-Methylnaphthalene and naphthalene are common to NAPIS-2 and KA-3.

RECOMMENDATION: *Continue with inspections/sampling of the NAPIS wells. Maintenance work continues on the NAPIS unit to address the continued presence of liquids in the leak detection units. The flow into the lagoons ceased as a result of the startup of the new WWTP. The levels in the lagoons will eventually recede and continued monitoring of GWM-2 and GWM-3 will indicate if the high levels in the lagoons may have been the source of the water detected in these wells.*

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. When this Unit is down for scheduled maintenance, the bays will be inspected internally and returned to service after a hydro-test with dye confirms no leakage into any of the LDUs. In June of 2014, the west bay was repaired with a plate installation, hydro-tested with fluorescent dye and no leaks were observed in the West LDU and the Oil Sump LDU. The west bay was placed back into service on July 8, 2014. Both LDUs were re-checked on August 6, 2014 and both showed no signs of leakage. The east bay is scheduled for maintenance on July 22, 2014. After repairs are made and hydro-tested, the LDUs will again be checked for leaks. The work on the east bay is currently on-going.

RECOMMENDATION: *Continue with inspections, gauging of the LDUs. During scheduled maintenance shutdown of the bays, inspect welds and hydro-test before placing back in service.*

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 (SWMU) No. 1 Aeration Basin and SWMU No. 14 Old API Separator. Analytical results indicate high concentrations of benzene and MTBE in all of 2013. Also high concentrations of arsenic, uranium, iron, manganese and cyanide was detected in this well.

RECOMMENDATION: *Continue with sample schedule and site investigation associated with this well and the area (aeration basin). The aeration basin is currently designated as SWMU-1 in the RCRA Post Closure Care Permit and is in the process of a site investigation to determine and evaluate the presence of contaminants. Site investigations will include the GWM series of wells, the area surrounding the lagoons and take into account historical spills that have occurred in the area. Site investigation for the aeration basin will include additional soil borings and possible installation of additional monitoring wells dependent on contaminant levels found in soil/water samples.*

7.3 GROUP C GROUND WATER MONITORING

Ground water 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 0.125 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 three constituents (benzene, ethyl benzene and MTBE) have been consistently detected in the ground water samples collected since 2006 that have exceeded the applicable standards. All three constituents analyzed continue to increase from year to year. 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. 2013 analytical data from RW-1 and RW-2 indicate high levels of MTBE, benzene, toluene and total xylene.

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 ground water at concentration levels exceeding the NMED Tap Water standard of 0.125 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 in what is known as the Chinle/Alluvium Interface.

RECOMMENDATIONS: *Continue with current sample schedule. MTBE plume is present between OW-13, OW-14, OW-29 and OW-30 and analytical data indicates a very slight increase in concentration levels over time. It was suspected that the migration of the MTBE plume may be in a northeast direction. As a result OW-50 and OW-52 were installed down gradient from these wells. After three years of sampling no contaminants have been detected in the ground water collected quarterly from these wells. It is possible that the MTBE plume may be migrating in a north-*

northwest direction from OW-29 following the natural formation of the Chinle-Alluvium interface. Analytical data indicates that MTBE concentrations have been slowly increasing from year to year in OW-29 as well as OW-30.

Two new wells (OW-50 and OW-52) were installed in October 2009 down gradient of OW-13, OW-14 and OW-29 to monitor possible migration of MTBE from these wells 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.

RECOMMENDATION: *Continue with sampling schedule.*

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 level. Field notes indicate that product recovery from RW-1 has decreased in quantity over the years with two gallon of product recovered in 2013. RW-5 and RW-6 product recovery has also been steadily declining. From 2010 through 2013, no product has been recovered from RW-5 and no product was recovered from RW-6 in 2013. 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).

RECOMMENDATIONS: *Continue with SPH recovery quarterly. Analytical data from the RW wells confirmed the presence of high concentrations of BTEX and MTBE constituents as well as the detection of organic compounds. The MTBE plume appears to be migrating north-northwest towards OW-13, OW-14, OW-29 and OW-30 wells.*

7.4 GROUP D GROUND WATER 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 2012. Based on the analytical data the remaining two process wells remain relatively free of contaminants. In 2013 three organic compounds were detected in PW-4 at concentration levels below the applicable standards and are as follows: 1,3,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and n-Propylbenzene. 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 three year sample cycle schedule for PW-2 is in year 2014.

RECOMMENDATIONS: *Continue with sample schedule.*

OW-1 is an artesian well located on the west section of the refinery property. OW-1 is a relatively clean well. The only contaminant that has exceeded the WQCC standard since 2010 is uranium which is a naturally occurring element found in rock, soil and water. This particular well may require repair and/or re-location as the concrete base on this well has deep cracks.

RECOMMENDATIONS: *Continue with inspections/sampling plan. Replace and/or repair well.*

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

MTBE has been detected in the second and fourth quarter of 2012 as well as the first half of 2013 at a concentration level above the NMED Tap Water standard of 0.125 mg/L. A low concentration level of MTBE has been detected in OW-10 since 2010 and appears to be increasing from year to year. Uranium concentration level has also exceeded the WQCC standard of 0.03 mg/L for 2012, which is a naturally element found in rock, soil, and water.

Low concentration level of 1,1-dichloroethane has also been detected in this well in 2011, possible lab contaminant.

RECOMMENDATIONS: *Continue with inspections/sampling plan.*

7.5 ADDITIONAL MONITORING

- Continue with the sampling requirements of the most current approved Facility Wide Ground Water Monitoring Work Plan.
- Submit the Annual Ground Water 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

Data tables are also located on CD-R disc in Appendix K.

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 MKTF-1 THRU MKTF-18
8.7 Leak Detection Units (3)
8.8 OW-13, OW-14, OW-29, OW-30
8.9 OW-50, OW-52
8.10 RW-1, RW-2, RW-5, RW-6
8.11 PW-2, PW-3, PW-4
8.12 OW-1, OW-10
8.13 OW-11, OW-12
8.14 EVAPORATION PONDS 1 - 12B
8.15 EP-2 INLET
8.16 BW to EP-2
8.17 EFFLUENTS
8.18 INFLUENTS

SECTION 8

DATA TABLES

Data Tables are also located on CD-R disc in Appendix K

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 OAPIS-1
8.7 Leak Detection Units (3)
8.8 OW-13, OW-14, OW-29, OW-30
8.9 OW-50, OW-52
8.10 RW-1, RW-2, RW-5, RW-6
8.11 PW-2, PW-3, PW-4
8.12 OW-1, OW-10
8.13 OW-11, OW-12
8.14 EVAPORATION PONDS 1 - 12B
8.15 EP-2 INLET
8.16 BW to EP-2
8.17 EFFLUENTS
8.18 INFLUENTS

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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125[1]**
WELL ID	**DATE SAMPLED**	**METHOD**					
BW-1C	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
	7/6/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/31/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/31/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/27/2006	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-2A	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
	7/6/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/30/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/31/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/27/2006	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-2B	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
	7/6/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/30/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/31/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/27/2006	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-2C	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
	7/6/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/30/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/31/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/27/2006	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-3B	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
	7/6/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	7/31/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/31/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/27/2006	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-3C	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

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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125**[1]
WELL ID	**DATE SAMPLED**	**METHOD**					
BW-3C	7/6/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/1/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/31/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/27/2006	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001

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
1. NMED Tap Water (JUN 2012)

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	Specific Conductance (µS/cm)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 to 9**	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**									
BW-1C	9/9/2013	300.0	**2.1**	34	<0.1	**14**	**14**	<0.5	260	NA	NA
	8/24/2012	300.0	**2.3**	34	<0.1	<1.0	<1.0	<0.5	260	NA	NA
	10/28/2011	300.0	**2.6**	33	<0.1	**1.7**	1.7	<0.5	260	NA	NA
	7/20/2010	300.0	**2.7**	37	0.11	<1.0	<1.0	<0.5	290	8.66	1400
	8/3/2009	300.0	**2.5**	42	0.12	<0.1	<0.1	<0.5	280	8.65	1300
	7/31/2008	300.0	**2.4**	35	<0.1	<1.0	<1.0	<0.5	260	8.68	1400
	12/31/2007	300.0	**2.6**	35	NL	<1.0	<1.0	<0.5	270	8.5	1400
	10/27/2006	300.0	**2.7**	36	NL	<0.5	<0.5	<0.5	NL	8.39	1400
BW-2A	9/9/2013	300.0	0.9	37	0.39	**3.5**	3.5	<0.5	7.2	NA	NA
	8/24/2012	300.0	0.95	38	0.54	<1.0	<1.0	<0.5	6.8	NA	NA
	10/28/2011	300.0	1.1	37	0.36	<1.0	<1.0	**0.58**	7.0	NA	NA
	7/20/2010	300.0	1.2	42	0.43	<1.0	<1.0	**0.68**	7.1	8.09	1300
	8/3/2009	300.0	1.2	45	0.42	<0.1	<0.1	**1.0**	7.2	8.13	1300
	7/30/2008	300.0	1.1	40	0.43	<1.0	<1.0	**0.75**	7.3	7.87	1400
	12/31/2007	300.0	1.3	42	NL	<1.0	<1.0	**0.7**	7.7	7.76	1400
	10/27/2006	300.0	1.3	NL	NL	<0.5	<0.5	**0.64**	7.5	8.27	1400
BW-2B	9/9/2013	300.0	**1.7**	28	0.14	**33**	**33**	<0.5	150	NA	NA
	8/24/2012	300.0	1.3	27	0.22	**1.4**	1.4	<0.5	150	NA	NA
	10/28/2011	300.0	1.6	27	0.75	<1.0	<1.0	<0.5	140	NA	NA
	7/20/2010	300.0	**1.8**	32	0.82	<1.0	<1.0	<0.5	160	8.17	2200
	8/3/2009	300.0	**1.7**	36	0.86	<0.1	<0.1	<0.5	160	8.07	2200
	7/30/2008	300.0	1.6	30	1.1	<1.0	<1.0	<0.5	150	7.76	2200
	12/31/2007	300.0	**1.8**	30	NL	<1.0	<1.0	<0.5	150	7.77	2400
	10/27/2006	300.0	**1.9**	31	NL	<0.5	<0.5	<0.5	140	8.1	1400
BW-2C	9/9/2013	300.0	1.6	43	<0.1	**37**	**37**	<0.5	270	NA	NA
	8/24/2012	300.0	**2.0**	41	<0.5	<1.0	<1.0	<2.5	270	NA	NA
	10/28/2011	300.0	**2.0**	43	<0.1	<1.0	<1.0	<0.5	280	NA	NA
	7/20/2010	300.0	**2.1**	62	0.12	<1.0	<1.0	<0.5	310	8.73	1400
	8/3/2009	300.0	**1.9**	52	0.14	<0.1	0.13	<0.5	280	8.88	1300
	7/30/2008	300.0	**1.9**	44	0.14	<1.0	<1.0	<0.5	270	8.83	1400
	12/31/2007	300.0	**2.3**	45	NL	<1.0	<1.0	<0.5	290	8.73	1400
	10/27/2006	300.0	**2.4**	42	NL	<0.5	<0.5	<0.5	270	8.52	1300
BW-3B	9/9/2013	300.0	1.1	30	0.36	**11**	**11**	**0.87**	45	NA	NA
	8/23/2012	300.0	1.2	33	0.39	<1.0	<1.0	**0.82**	46	NA	NA
	10/28/2011	300.0	1.3	28	0.31	<1.0	<1.0	**0.84**	48	NA	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	Specific Conductance (µS/cm)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 to 9**	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**									
BW-3B	7/20/2010	300.0	1.4	33	0.42	<0.01	<0.01	**1.1**	54	8.37	1500
	8/3/2009	300.0	1.5	41	0.45	<0.1	0.27	**1.4**	69	8.23	1500
	7/31/2008	300.0	1.4	34	0.42	<1.0	<1.0	**1.1**	55	7.95	1500
	12/31/2007	300.0	1.6	35	NL	<1.0	<1.0	**1.1**	51	7.93	1600
	10/27/2006	300.0	**1.7**	33	NL	<0.5	<0.5	**1.1**	250	8.5	1600
BW-3C	9/9/2013	300.0	1.0	35	<0.1	<1.0	<1.0	<0.5	320	NA	NA
	8/23/2012	300.0	1.1	38	0.11	<1.0	<1.0	<0.5	310	NA	NA
	10/28/2011	300.0	1.4	35	<0.1	<1.0	<1.0	<0.5	320	NA	NA
	7/20/2010	300.0	1.4	41	0.12	<0.1	0.12	<0.5	380	8.57	1500
	8/3/2009	300.0	1.4	43	0.14	<0.1	0.21	<0.5	320	8.65	1500
	8/1/2008	300.0	1.5	34	<1.0	<2.0	<2.0	<5.0	240	8.63	1500
	12/31/2007	300.0	**1.8**	38	NL	<1.0	<1.0	<0.5	300	8.59	1500
	10/27/2006	300.0	**1.9**	37	NL	<0.5	<0.5	<0.5	280	8.39	1400

DEFINITIONS	**STANDARDS**
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
NA = Not analyzed	a) Human Health Standards; b) Other standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

NOTES

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**												
BW-1C	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
	7/6/2009	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	<0.05	<0.005	2.7E-03	<0.05	<0.0002	0.002	<0.05
	7/31/2008	6010B	<0.02	0.016	<0.002	<0.006	<0.006	<0.05	<0.005	0.013	<0.05	<0.0002	1.15E-03	<0.02
	12/31/2007	6010B	<0.02	0.023	<0.002	<0.006	<0.006	<0.05	<0.005	0.01	<0.05	<0.0002	<0.1	<0.02
	10/28/2006	6010B	<0.02	<0.2	<0.002	<0.006	<0.006	<0.05	<0.005	NL	<0.05	<0.0002	<0.1	<0.02
BW-2A	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
	7/6/2009	6010B	<0.02	0.15	<0.002	<0.006	<0.006	0.5	<0.005	0.15	<0.05	<0.0002	<0.001	<0.05
	7/30/2008	6010B	<0.02	0.14	<0.002	<0.006	<0.006	0.37	<0.005	0.14	<0.05	<0.0002	<0.001	<0.02
	12/31/2007	6010B	<0.02	0.18	<0.002	<0.006	<0.006	0.7	<0.005	**0.22**	<0.05	<0.0002	<0.1	<0.02
	10/28/2006	6010B	<0.02	0.15	<0.002	<0.006	<0.006	<0.05	<0.005	NL	<0.05	<0.0002	<0.1	<0.02
BW-2B	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
	7/6/2009	6010B	<0.02	0.099	<0.002	<0.006	<0.006	**1.8**	<0.005	**0.47**	<0.05	<0.0002	0.013	<0.02
	7/31/2008	6010B	<0.02	0.041	<0.002	<0.006	<0.006	0.064	<0.005	0.16	<0.05	<0.0002	1.15E-02	<0.02
	12/31/2007	6010B	<0.02	0.07	<0.002	<0.006	<0.006	0.62	<0.005	**0.29**	<0.05	<0.0002	<0.1	<0.02
BW-2C	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
	7/6/2009	6010B	<0.02	0.078	<0.002	<0.006	<0.006	0.85	<0.005	0.2	<0.05	<0.0002	0.005	<0.05
	7/30/2008	6010B	<0.02	0.13	<0.002	<0.006	<0.006	**1.3**	<0.005	**0.43**	<0.05	<0.0002	7.26E-03	<0.02
	12/31/2007	6010B	<0.02	0.026	<0.002	<0.006	<0.006	0.16	<0.005	0.024	<0.05	<0.0002	<0.1	<0.02
	10/28/2006	6010B	<0.02	0.031	<0.002	<0.006	<0.006	<0.05	<0.005	NL	<0.05	<0.0002	<0.1	<0.02
BW-3B	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

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**												
BW-3B	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
	7/6/2009	6010B	<0.02	0.098	<0.002	<0.006	<0.006	0.62	<0.005	0.11	<0.05	<0.0002	<0.001	<0.05
	7/31/2008	6010B	<0.02	0.11	<0.002	<0.006	<0.006	0.43	<0.005	0.12	<0.05	<0.0002	<0.001	<0.02
	12/31/2007	6010B	<0.02	0.099	<0.002	<0.006	<0.006	0.64	<0.005	0.13	<0.05	<0.0002	<0.1	<0.02
	10/28/2006	6010B	<0.02	0.11	<0.002	<0.006	<0.006	<0.05	<0.005	NL	<0.05	<0.0002	<0.1	<0.02
BW-3C	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
	7/6/2009	6010B	<0.02	0.054	<0.002	<0.006	<0.006	0.19	<0.005	0.02	<0.05	<0.0002	0.001	<0.02
	8/1/2008	6010B	<0.02	0.27	<0.002	7.8E-03	<0.006	**3.0**	<0.005	**0.41**	<0.05	<0.0002	2.51E-03	0.032
	12/31/2007	6010B	<0.02	0.068	<0.002	<0.006	<0.006	0.14	<0.005	0.015	<0.05	<0.0002	<0.1	<0.02
	10/28/2006	6010B	<0.02	0.059	<0.002	<0.006	<0.006	<0.05	<0.005	NL	<0.05	<0.0002	<0.1	<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
1) National Primary Drinking Water Regulation (May 2009); Action Level
EPA Regional Screening Level (RSL) Summary Table

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)	Calcium (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)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	0.01	NE	**0.05**	**1.0**	**1.0**	0.05	NE	**0.2**	NE	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	NE	0.1	1.3	NE	**0.015**	NE	NE	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.50E-05	2.9	6.90E-03	NE	NE	0.62	11	NE	NE	0.32	NE	0.078	NE	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**															
BW-1C	9/9/2013	200.7/200.8	<0.001	0.017	<0.002	3.3	<0.006	<0.006	<0.02	<0.001	<1.0	<0.002	1.5	<0.001	300	5.7E-03	<0.01
	8/24/2012	200.7/200.8	<0.001	0.016	<0.002	3.2	<0.006	<0.006	<0.02	<0.005	<1.0	2.9E-03	1.1	<0.001	330	0.005	<0.01
	10/28/2011	200.7/200.8	<0.001	0.016	<0.002	3.2	<0.006	<0.006	<0.02	<0.005	<1.0	<0.002	<1.0	<0.001	330	4.3E-03	0.026
	7/20/2010	6010B	<0.02	<0.02	<0.002	3.2	<0.006	<0.006	<0.02	<0.005	<1.0	9.4E-03	<1.0	<0.05	310	0.003	<0.05
	7/6/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/31/2007	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/28/2006	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-2A	9/9/2013	200.7/200.8	8.1E-03	0.15	<0.002	9.1	<0.006	<0.006	0.39	<0.001	3.3	0.15	1.6	1.5E-03	320	<0.001	<0.01
	8/24/2012	200.7/200.8	7.2E-03	0.14	<0.002	8.8	<0.006	<0.006	0.26	<0.005	3.4	0.13	<1.0	0.001	340	<0.001	<0.01
	10/28/2011	200.7/200.8	6.5E-03	0.13	<0.002	9.1	<0.006	<0.006	0.28	<0.005	3.3	0.12	<1.0	<0.001	350	<0.001	0.021
	7/20/2010	6010B	<0.02	0.14	<0.002	9.6	<0.006	<0.006	0.29	<0.005	3.5	0.14	<1.0	<0.05	340	<0.001	<0.05
	7/6/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/31/2007	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/28/2006	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-2B	9/9/2013	200.7/200.8	1.6E-03	0.044	<0.002	13	<0.006	<0.006	0.078	<0.005	3.0	0.16	1.7	3.5E-03	570	0.014	<0.01
	8/24/2012	200.7/200.8	1.1E-03	0.043	<0.002	13	<0.006	<0.006	0.064	<0.005	3.2	0.16	1.8	1.9E-03	590	0.014	0.03
	10/28/2011	200.7/200.8	<0.001	0.051	<0.002	13	<0.006	<0.006	0.26	<0.005	3.1	**0.25**	1.3	1.3E-03	570	0.016	0.026
	7/20/2010	6010B	<0.02	0.047	<0.002	14	<0.006	<0.006	0.14	<0.005	3.1	**0.22**	1.23	1.2	580	0.012	<0.05
	7/6/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/31/2007	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/28/2006	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-2C	9/9/2013	200.7/200.8	<0.001	0.018	<0.002	2.4	<0.006	<0.006	<0.02	<0.001	<1.0	2.5E-03	1.0	<0.001	300	5.3E-03	<0.01
	8/24/2012	200.7/200.8	<0.001	0.086	**5.6E-03**	3.3	<0.006	<0.006	**3.0**	<0.005	1.5	0.049	1.8	<0.001	320	4.8E-03	0.014
	10/28/2011	200.7/200.8	<0.001	0.015	<0.002	2.2	<0.006	<0.006	<0.02	<0.005	<1.0	<0.002	<1.0	<0.001	320	4.4E-03	0.015
	7/20/2010	6010B	<0.02	<0.02	<0.002	4.9	<0.006	<0.006	0.028	<0.005	1.3	4.5E-03	<1.0	<0.05	330	0.006	<0.05
	7/6/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/31/2007	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/28/2006	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-3B	9/9/2013	200.7/200.8/	5.2E-03	0.1	<0.002	8.3	<0.006	<0.006	0.44	<0.005	2.5	0.12	1.2	0.002	370	<0.005	<0.01
	8/23/2012	200.7/200.8	4.9E-03	0.091	<0.002	8.6	<0.006	<0.006	0.11	<0.005	2.7	0.11	<1.0	0.001	400	<0.001	<0.01

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)	Calcium (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)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	0.01	NE	**0.05**	**1.0**	**1.0**	0.05	NE	**0.2**	NE	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	NE	0.1	1.3	NE	**0.015**	NE	NE	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.50E-05	2.9	6.90E-03	NE	NE	0.62	11	NE	NE	0.32	NE	0.078	NE	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**															
BW-3B	10/28/2011	200.7/200.8	4.9E-03	0.11	<0.002	8.4	<0.006	<0.006	0.97	<0.005	3.0	0.12	<1.0	<0.001	400	<0.001	0.035
	7/20/2010	6010B	<0.02	0.076	<0.002	8.5	<0.006	<0.006	0.21	<0.005	2.6	0.083	<1.0	<0.05	390	<0.001	0.054
	7/6/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/31/2007	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/28/2006	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-3C	9/9/2013	200.7/200.8	0.002	0.039	<0.002	4.1	<0.006	<0.006	0.46	<0.005	<1.0	0.022	1.8	<0.001	340	<0.005	<0.01
	8/23/2012	200.7/200.8	2.2E-03	0.035	<0.002	3.9	<0.006	<0.006	0.031	<0.005	<1.0	0.017	1.6	<0.001	390	1.4E-03	0.012
	10/28/2011	200.7/200.8	1.7E-03	0.034	<0.002	3.8	<0.006	<0.006	<0.02	<0.005	<1.0	0.014	<1.0	<0.001	380	1.3E-03	0.066
	7/20/2010	6010B	<0.02	0.035	<0.002	3.8	<0.006	<0.006	0.073	<0.005	<1.0	0.013	<1.0	<0.05	370	0.001	<0.05
	7/6/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/31/2007	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/28/2006	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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
1. National Secondary Drinking Water Regulation (May 2009); Action Level
EPA Regional Screening Level (RSL) Summary Table

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 (APR 2014)			**0.006**
EPA RSL for Tap Water (NOV 2013)			0.048
Well ID	**DATE SAMPLED**	**METHOD**	
BW-1C	9/9/2013	8270C	**0.01**
BW-3B	9/9/2013	8270C	<0.01
	8/23/2012	8270C	<0.01
	10/28/2011	8270C	<0.01
	7/20/2010	8270C/8260	<0.01
	7/6/2009	8270C/8260	**0.01** [1]
BW-3C	9/9/2013	8270C	<0.01
	8/23/2012	8270C	<0.01
	10/28/2011	8270C	**0.014** [1]

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

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

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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
WELL ID	**DATE SAMPLED**	**METHOD**					
MW-1	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
	7/16/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/4/2008	8260B	<0.005	<0.001	<0.001	<0.0015	NA
	12/29/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/26/2006	8260B	<0.001	<0.001	<0.001	<0.0015	<0.0015
MW-2	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
	7/16/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
MW-4	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
	7/8/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/5/2008	8260B	<0.005	<0.001	<0.001	<0.0015	NA
	12/29/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/12/2005	8260B	<0.001	<0.001	<0.001	<0.0015	<0.0015
MW-5	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
	7/15/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/13/2008	8260B	<0.005	<0.001	<0.001	<0.0015	NA
	12/29/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	10/12/2005	8260B	<0.001	<0.001	<0.001	<0.0015	<0.0015

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 Sandards; b) Other standards for Domestic Water
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table
1. NMED Tap Water (JUN 2012)

NOTES

8.2.1 MW-1, MW-2, MW-4, MW-5
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)	DRO (mg/L)	GRO (mg/L)	MRO [2] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 to 9**	NE	**0.2** [1]	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
WELL ID	**DATE SAMPLED**	**METHOD**												
MW-1	9/9/2013	300.0/8015B	0.61	44	<0.1	**4.1**	4.1	<0.5	150	NA	NA	<1.0	<0.05	<5.0
	8/24/2012	300.0/8015B	0.67	47	<0.1	<1.0	<1.0	<0.5	140	NA	NA	<1.0	<0.05	<5.0
	10/6/2011	300.0/8015B	0.64	47	0.11	**27**	**27**	<0.5	160	NA	NA	<1.0	<0.05	<5.0
	7/16/2010	300.0/8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	
	7/16/2009	300.0/8015B	0.76	53	NL	<1.0	<1.0	<0.5	160	**9.02**	1100	<1.0	<0.05	
	7/10/2008	300.0/8015B	**81**	51	NL	<1.0	<1.0	<0.5	160	8.95	1100	<1.0	<0.05	
	12/29/2007	300.0/8015B	0.89	53	NL	<1.0	<1.0	<0.5	170	8.89	1100	<1.0	<0.05	
	5/24/2007	300.0/8015B	0.69	53	NL	<1.0	<1.0	<0.5	170	8.89	1100	<1.0	<0.05	
	10/26/2006	300.0/8015B	0.84	46	NL	<1.0	<1.0	<0.5	150	8.98	NL	<1.0	<0.05	
MW-2	9/10/2013	300.0/8015B	0.77	50	0.1	<0.1	0.11	<0.5	150	NA	NA	<1.0	<0.05	<5.0
	8/24/2012	300.0	0.67	49	<0.1	<1.0	<1.0	<0.5	150	NA	NA	<1.0	<0.05	<5.0
	10/10/2011	300.0	0.79	52	0.12	<1.0	<1.0	<0.5	160	NA	NA	<1.0	<0.05	<5.0
	7/16/2009	300.0/8015B	0.82	60	NL	<1.0	<1.0	<0.5	170	9.0	1100	<1.0	<0.05	
MW-4	9/10/2013	300.0/8015B	0.32	18	0.13	<0.1	0.14	<0.5	150	NA	NA	<1.0	<0.05	<5.0
	8/21/2012	300.0/8015B	0.29	16	0.11	<1.0	<1.0	<0.5	140	NA	NA	<1.0	<0.05	<5.0
	10/12/2011	300.0/8015B	0.35	18	0.12	**6.8**	6.8	<0.5	150	NA	NA	<1.0	<0.05	<5.0
	7/19/2010	300.0/8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	
	3/1/2010 [4]	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	
	7/8/2009	300.0/8015B	0.37	16	NL	<1.0	<1.0	<0.5	160	8.74	1200	<1.0	<0.05	
	8/5/2008	300.0/8015B	0.37	17	NL	<1.0	<1.0	<0.5	160	8.63	1200	<1.0	<0.05	
	12/29/2007	300.0/8015B	0.42	17	NL	<1.0	<1.0	<0.5	160	8.63	1200	<1.0	<0.05	
	2006 [3]	300.0/8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-5	9/10/2013	300.0/8015B	0.76	57	0.11	<0.1	0.8	<0.5	160	NA	NA	<1.0	<0.05	<5.0
	8/23/2012	300.0/8015B	0.67	55	<0.1	<1.0	<1.0	<0.5	160	NA	NA	<1.0	<0.05	<5.0
	10/10/2011	300.0/8015B	0.79	59	0.11	<1.0	<1.0	<0.5	170	NA	NA	<1.0	<0.05	<5.0
	7/19/2010	300.0/8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	
	3/1/2010 [4]	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	
	7/15/2009	300.0	0.76	66	NL	<1.0	<1.0	<0.5	180	8.96	1100	<1.0	<0.05	
	8/13/2008	300.0	0.85	63	0.15	<1.0	<1.0	<0.5	180	**9.02**	1200	<1.0	<0.05	
	12/29/2007	300.0	0.91	65	NL	<1.0	<1.0	<0.5	180	8.93	1200	<1.0	<0.05	
	2006 [3]	300.0/8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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
1) NMED Table 6-2 (Unknown Oil). TPH Screening Guidelines for Potable Ground Water (GW-1). (JUN 2012)
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES:
2) Per NMED "Approval with Modifications Annual Ground Water Monitoring Report 2010, Rev 1", dated 12/12/12, Comment 7(a) added MRO to data table.
3) MW-4 and MW-5 were not sampled in 2006.
4) 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 (APR 2014)			**0.01**	2.0	0.1	NE	**0.015**	NE	0.05	0.2	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	NE	11	NE	0.32	0.078	1.4E-03	6.3E-04	0.047	4.7
WELL ID	**DATE SAMPLED**	**METHOD**											
MW-1	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	<002
	3/1/10 [2]	6010B	<0.005	<0.02	<0.006	NL	<0.005	NL	<0.005	<0.01	<0.0002	NL	<0.02
	7/16/2009	6010B	1.24E-03	0.015	<0.006	NL	<0.005	NL	<0.001	<0.01	<0.0002	NL	<0.02
	8/4/2008	6010B	<0.02	<0.02	<0.006	NL	<0.005	NL	<0.05	<0.01	<0.0002	NL	NL
	12/29/2007	6010B	**0.02**	<0.02	<0.006	0.092	<0.005	0.018	<0.05	<0.01	<0.0002	<0.1	<0.05
	10/26/2006	6010B	NL	0.019	<0.006	NL	<0.005	NL	NL	<0.01	<0.0002	NL	<0.02
MW-2	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 [2]	6010B	<0.005	<0.02	<0.006	NL	<0.005	NL	<0.005	<0.01	<0.0002	NL	<0.02
	7/16/2009	6010B	1.04E-03	0.019	<0.006	NL	<0.005	NL	<0.001	<0.01	<0.0002	NL	<0.02
MW-4	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 [2]	6010B	<0.005	0.023	<0.006	NL	<0.005	NL	<0.005	<0.01	<0.0002	NL	<0.02
	7/8/2009	6010B	<0.001	0.022	<0.006	NL	<0.005	NL	<0.001	<0.01	<0.0002	NL	<0.02
	8/5/2008	6010B	<0.02	<0.02	<0.006	NL	<0.005	NL	<0.05	<0.01	<0.0002	NL	<0.05
	12/29/2007	6010B	<0.02	0.021	<0.006	<0.05	<0.005	5.2E-03	<0.05	<0.01	<0.0002	<0.1	<0.05
	2006 [1]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	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 [2]	6010B	<0.005	0.024	<0.006	NL	<0.005	NL	<0.005	<0.01	<0.0002	NL	<0.02
	7/15/2009	6010B	<0.001	0.017	<0.006	NL	<0.005	NL	<0.001	<0.01	<0.0002	NL	<0.02
	8/13/2008	6010B	<0.02	<0.02	<0.006	NL	<0.005	NL	<0.05	NA	<0.0002	NL	<0.05
	12/29/2007	6010B	<0.02	<0.02	<0.006	<0.05	<0.005	4.5E-03	<0.05	<0.01	<0.0002	<0.01	<0.05
	2006 [1]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

DEFINITIONS	**STANDARDS**
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS
NA = Not analyzed	Concentration or Less. a) Human Health Standards; b) Other standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

NOTES

1) Wells MW-4, MW-5 were not sampled in 2006. Analyses for metals was not conducted in 2006.

2) 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)	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 (APR 2014)			**0.01**	2.0	**NE**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NO 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	NE	0.047	4.7
WELL ID	**DATE SAMPLED**	**METHOD**												
MW-1	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	260	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	260	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	240	0.011	0.11
	7/16/2010	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/1/2010 [2]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/15/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/4/2008	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	NL	<0.005	NL	<0.05	260	NL	NL
	12/29/2007	6010B	<0.02	<0.02	<0.002	<0.006	NL	NL	<0.005	NL	<0.05	230	NL	NL
MW-2	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	250	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	270	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	260	9.3E-03	<0.01
	7/16/2010	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/1/2010 [2]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/16/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	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	280	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	290	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	290	0.017	0.1
	7/19/2010	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/1/2010 [2]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/8/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/5/2008	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	NL	<0.005	NL	<0.05	280	NL	NL
	12/29/2007	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	NL	<0.005	NL	<0.05	250	NL	NL
	2006 [1]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	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	260	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	270	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	270	9.5E-03	0.12
	7/15/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/1/2010 [2]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/15/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/13/2008	6010B	<0.02	<0.02	<0.002	<0.006	NL	NL	<0.005	NL	<0.05	260	NL	<0.05
	12/29/2007	6010B	<0.02	<0.02	<0.002	<0.006	NL	NL	<0.005	NL	<0.05	240	NL	NL
	2006 [1]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

NOTES
1) Wells MW-4, MW-5 were not sampled in 2006. Analyses for metals was not conducted in 2006.
2) This was part of the 10 year RCRA Post Closure Sampling Event.

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 (APR 2014)			NE	NE	**0.006**
EPA RSL for Tap Water (NOV 2013)			**21.8** [1]	**29.2** [1]	0.048
WELL ID	**DATE SAMPLED**	**METHOD**			
MW-1	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 [3]	8260/8270C	<0.0025	NL	<0.005
	7/16/2009	8260/8270C	<0.0025	<0.01	<0.005
	8/4/2008	8260/8270C	<0.0025	<0.0005	<0.0005
	12/29/2007	8260/8270C	<0.0025	<0.01	<0.01
MW-2	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 [3]	8260/8270C	2.73E-03	<0.01	<0.005
	7/16/2009	8260/8270C	<0.0025	<0.01	<0.005
MW-4	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 [3]	8260/8270C	<0.0025	<0.01	<0.005
	7/19/2010	8260/8270C	<0.01	<0.01	<0.005
	7/8/2009	8260/8270C	<0.0025	NL	<0.005
	8/5/2008	8260/8270C	<0.0025	<0.0005	**6.79E-03**
	12/29/2007	8260/8270C	<0.01	<0.01	<0.01
	2006 [2]	8260/8270C	NA	NA	NA
MW-5	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 [3]	8260/8270C	3.36E-03	NL	<0.005
	7/19/2010	8260/8270C	<0.01	<0.01	<0.005
	7/15/2009	8260/8270C	4.92E-03	NL	NL
	8/13/2008	8260/8270C	<0.0025	<0.0005	<0.005
	12/29/2007	8260/8270C	<0.001	<0.01	<0.01
	2006 [2]	8260/8270C	NA	NA	NA

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

NOTES
2) Wells MW-4 and MW-5 were not sampled in 2006.
3) 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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
WELL ID	**DATE SAMPLED**	**METHOD**					
SMW-2	9/9/2013	8260B	<0.001	<0.001	<0.001	<0.0015	9.7E-03
	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
	7/27/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/14/2008	8260B	<0.005	<0.001	<0.001	<0.0015	<0.001
	1/1/2008 [3]	8260B	<0.001	<0.001	<0.001	<0.0015	9.9E-03
	2006 [2]	8260B	NA	NA	NA	NA	NA
SMW-4	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
	7/27/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/14/2008	8260B	<0.005	<0.001	<0.001	<0.0015	<0.001
	12/29/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	2006 [2]	8260B	NA	NA	NA	NA	NA

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
1. NMED Tap Water (JUN 2012)

NOTES

2) Wells SMW-2 and SMW-4 were not sampled in 2006.

3) Due to inclement weather in December 2007, annual samples were not collected until January 2008

8.3.1 SMW-2, SMW-4

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)	pH	Specific Conductance (µS/cm)	DRO (mg/L)	GRO (mg/L)	MRO [2] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 TO 9**	NE	**0.2** [1]	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
WELL ID	**DATE SAMPLED**	**METHOD**												
SMW-2	9/9/2013	300.0	<0.1	**2500**	2.1	<4.0	<4.0	<10	**1500**	NA	NA	<1.0	0.15	<5.0
	8/23/2012	300.0	0.16	**2400**	8.4	<2.0	<2.0	<0.5	**1600**	NA	NA	<1.0	0.28	<5.0
	10/12/2011	300.0	0.22	**2600**	3.1	<10	<10	<0.05	**1600**	NA	NA	<1.0	0.36	<5.0
	7/16/2010	300.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	
	7/27/2009	300.0	0.32	**2300**	NL	<10	<10	<2.5	**1700**	7.61	7700	<1.0	0.73	
	8/14/2008	300.0	0.36	**2000**	3.1	<1.0	<1.0	<0.5	**1600**	7.25	8700	<1.0	0.36	
	1/1/2008 [4]	300.0	0.36	**2000**	NL	<2.0	<2.0	<0.5	**1600**	7.29	9200	<1.0	0.69	
	2006 [3]	300.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SMW-4	9/9/2013	300.0	0.93	59	0.16	<1.0	<1.0	<0.5	170	NA	NA	<1.0	<0.05	<5.0
	8/24/2012	300.0	1.0	58	0.35	<1.0	<1.0	<0.5	150	NA	NA	<1.0	<0.05	<5.0
	10/10/2011	300.0	1.1	58	0.2	**1.3**	1.3	<0.5	170	NA	NA	<1.0	<0.05	<5.0
	7/16/2010	300.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	
	3/1/2010 [5]	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	
	1/0/1900	300.0	1.2	58	NL;	<1.0	<1.0	<0.5	170	8.53	1300	<1.0	0.69	
	8/14/2008	300.0	1.1	52	0.15	0.11	0.11	<0.5	150	8.63	1200	<1.0	<0.05	
	12/29/2007	300.0	1.4	60	NL	<1.0	<1.0	<0.5	180	8.34	1300	<1.0	<0.05	
	2006 [3]	300.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

DEFINITIONS
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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
1) NMED Table 6-2 (unknown oil). TPH Screening Guidelines for Potable Ground Water (GW-1) (JUN 2012).
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Sreening Level (RSL) Summary Table

NOTES

2) Per NMED "Approval with Modifications Annual Ground Water Monitoring Report 2010, Rev. 1", dated 12/12/12, Comment 7(a) added MRO to data tables.

3) Wells SMW-2 and SMW-4 were not sampled in 2006. Analyses for metals were not conducted in 2006.

4) *Due to inclement weather in December 2007, annual samples were not collected until January 2008*

5) 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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.2	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	1.4E-03	6.3E-04	0.047	4.7
WELL ID	**DATE SAMPLED**	**METHOD**													
SMW-2	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
	7/27/2009	6010B	0.00384	0.016	<0.002	<0.006	NL	NL	6.3E-03	NL	4.7E-03	6.62E-02	<0.0002	NL	<0.02
	8/14/2008	6010B	<0.02	<0.02	<0.002	9.2E-03	NL	NL	<0.005	NL	<0.05	6.17E-02	<0.0002	NL	0.11
	1/1/2008 [3]	6010B	<0.02	<0.02	<0.002	**0.055**	NL	NL	<0.005	NL	<0.25	6.51E-02	<0.0002	NL	<0.05
	2006 [2]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SMW-4	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 [4]	6010B	<0.005	0.035	<0.002	8.2E-03	NL	NL	<0.005	NL	<0.005	<0.01	<0.0002	NL	<0.02
	7/27/2009	6010B	2.97E-03	0.028	<0.002	7.5E-03	NL	NL	<0.005	NL	<0.001	<0.01	<0.0002	NL	<0.02
	8/14/2008	6010B	<0.02	<0.02	<0.002	<0.006	NL	NL	<0.005	NL	<0.05	<0.01	<0.0002	NL	<0.05
	12/29/2007	6010B	<0.02	0.024	<0.002	<0.006	NL	NL	<0.005	NL	<0.05	<0.01	<0.0002	NL	<0.05
	2006 [2]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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
1) National Primary Drinking Water Regulation (May 2009) Action Level
EPA Regional Sreening Level (RSL) Summary Table

NOTES

2) Wells SMW-2 and SMW-4 were not sampled in 2006. Analyses for metals were not conducted in 2006.
3) Due to inclement weather in December 2007, annual samples were not collected until January 2008
4) 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)	Potassium (mg/L)	Sodium (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**	NE	NE	**0.05**	**0.03**	**10**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	NE	NE	0.05	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.90E-03	NE	0.62	11	NE	0.32	NE	NE	0.078	0.047	4.7
WELL ID	**DATE SAMPLED**	**METHOD**													
SMW-2	9/9/2013	200.7/200.8	5.5E-03	0.016	<0.002	<0.006	<0.006	0.028	<0.01	0.17	1.7	2200	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**	1.9	2100	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**	<5.0	2200	0.015	**0.11**	0.11
	7/16/2010	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/14/2008	6010B	<0.02	<0.02	<0.002	<0.006	NL	NL	<0.005	NL	<1.0	1900	<0.25	NL	NL
	1/1/2008 [3]	6010B	<0.02	<0.02	<0.002	<0.006	NL	NL	<0.005	NL	1.1	1700	<0.05	NL	NL
	2006 [2]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SMW-4	9/9/2013	200.7/200.8	2.6E-03	0.021	<0.002	0.012	<0.006	<0.02	<0.001	<0.002	<1.0	290	<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	<1.0	290	<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	<1.0	300	1.1E-03	**0.032**	0.13
	7/16/2010	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/1/10 [4]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/14/2008	6010B	<0.02	<0.02	<0.002	<0.006	NL	NL	<0.005	NL	<1.0	280	<0.05	NL	NL
	12/29/2007	6010B	<0.02	<0.02	<0.002	<0.006	NL	NL	<0.005	NL	<1.0	260	<0.05	NL	NL
	2006 [2]	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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
1) National Primary Drinking Water Regulation (May 2009), Action Level
EPA Regional Screening Level (RSL) Summary Table

NOTES

1) Wells SMW-2 and SMW-4 were not sampled in 2006. Analyses for metals was not conducted in 2006.
3) Due to inclement weather in December 2007, annual samples were not collected until January 2008
4) 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 (APR 2014)			NE	**0.006**	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**21.8** [1]	4.8E-03	**29.2** [1]	4.5	**6.72E-03** [1]	**0.013**
WELL ID	**DATE SAMPLED**	**METHOD**						
SMW-2	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
	7/27/2009	8260B/8270C	6.25E-03	<0.0001	<0.0001	<0.001	<0.001	<0.0005
	11/13/2008	8260B/8270C	7.53E-03	<0.0001	<0.0001	<0.001	<.001	<0.0005
	8/14/2008	8260B/8270C	7.53E-03	<0.0005	5.7E-04	<0.0001	**1.36E-02**	<0.0001
	1/1/2008 [3]	8260B/8270C	<0.01	<0.0001	<0.0001	<0.0001	**1.48E-02**	1.9E-04
	2006 [2]	8260B/8270C	NA	NA	NA	NA	NA	NA
SMW-4	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 [4]	8260B/8270C	<0.0025	<0.005	<0.01	<0.01	<0.005	<0.005
	7/27/2009	8260B/8270C	<0.0025	1.05E-03	1.48E-03	<0.001	<0.001	<0.0005
	8/14/2008	8260B/8270C	NA	<0.0001	5.0E-04	1.13E-03	<0.005	<0.0001
	12/29/2007	8260B/8270C	<0.01	<0.0001	<0.0001	<0.0001	<0.005	<0.0001
	2006 [2]	8260B/8270C	NA	NA	NA	NA	NA	NA

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
1) NMED Tap Water (Jun 2012)

NOTES

2) Wells SMW-2 and SMW-4 were not sampled in 2006.
3) Due to inclement weather in December 2007, annual samples were not collected until January 2008
4) 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

			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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-04	0.86	1.3E-03	0.19	**0.125** [1]
Well ID	**DATE SAMPLED**	**METHOD**					
GWM-1	11/11/2013	8260B	**0.008**	2.3E-03	3.8E-03	0.014	0.039
	9/3/2013 [4]	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 [3]	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
	7/27/2009	8260B	**8.9E-03**	0.002	7.4E-03	0.034	0.085
	7/10/2008	8260B	**0.011**	2.1E-03	3.9E-03	0.019	0.12
	5/24/2007	8260B	**0.016**	<0.001	<0.001	<0.003	**0.23**
	10/27/2006	8260B	**0.012**	<0.001	<0.001	<0.003	**0.16**
GWM-2	11/11/2013		Not enough water for sampling				
	9/3/2013 [4]	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 [3]	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
	2/28/2008	8260B	<0.001	<0.001	<0.001	<0.0015	0.028
GWM-3	11/11/2013		No Samples - DRY				
	9/3/2013		No Samples - DRY				
	6/12/2013		No Samples - DRY				
	3/18/2013		No Samples - DRY				
	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

8.4 GWM-1, GWM-2, GWM-3
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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-04	0.86	1.3E-03	0.19	**0.125** [1]
Well ID	**DATE SAMPLED**	**METHOD**					
GWM-3	9/26/2011 [3]	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
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
1. NMED Tap Water (JUN 2012)

NOTES:

2) GWM-1 sample schedule is on an annual basis. For this sampling period, technician used the unapproved Facility Work Plan (FWP) at the beginning of 2010. which called for this well to be sampled on a quarterly basis. The FWP was approved on August 25, 2010.
3) 9/26/2011 Quarterly sampling combined with Annual sampling event
4) Quarterly sampling combined with 2013 Annual sampling event.

8.4.1 GWM-1, GWM-2, GWM-3
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)	pH	Specific Conductance (µS/cm)	DRO (mg/L)	GRO (mg/L)	MRO [2] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 to 9**	NE	**0.2** [1]	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**												
GWM-1	11/11/2013	300.0/8015B	**2.3**	**1000**	2.5	**4.1**	4.1	<2.5	97	NA	NA	**7.1**	0.49	NA
	9/3/2013 [4]	300.0/8015B	**3.1**	**960**	2.5	**35**	**35**	<2.5	130	NA	NA	**2.3**	0.49	<5.0
	6/12/2013	300.0/8015B	**2.7**	**940**	2.4	<1.0	<1.0	<5.0	88	NA	NA	**3.9**	0.66	<5.0
	3/18/2013	300.0/8015B	**2.7**	**1000**	2.4	<1.0	<1.0	<2.5	94	NA	NA	**5.3**	0.57	<5.0
	11/28/2012	300.0/8015B	**3.2**	**1000**	7.2	<0.5	<0.5	<2.5	150	NA	NA	**1.6**	1.1	<5.0
	8/21/2012	300.0/8015B	**3.0**	**1200**	2.5	<0.5	<0.5	<2.5	140	NA	NA	<1.0	1.2	<5.0
	6/12/2012	300.0/8015B	**3.4**	**1300**	3.5	<0.5	<0.5	<2.5	140	NA	NA	<1.0	1.2	<5.0
	3/20/2012	300.0/8015B	**3.6**	**1200**	3.2	<0.5	<0.5	<2.5	130	NA	NA	**3.5**	1.0	<5.0
	12/14/2011	300.0/8015B	1.2	**1300**	2.5	<1.0	<1.0	<10	54	NA	NA	**2.9**	0.81	<5.0
	9/26/2011	300.0/8015B	**3.5**	**1300**	1.5	<4.0	<4.0	<2.5	47	NA	NA	**3.9**	0.65	<5.0
	6/15/2011	300.0/8015B	**2.6**	**1200**	2.6	<2.0	<2.0	<2.5	64	NA	NA	**4.0**	0.53	<5.0
	2/16/2011	300.0/8015B	**2.8**	**1400**	2.5	**2.1**	2.1	<0.5	47	NA	NA	**5.4**	0.7	<5.0
	11/2/2010	300.0/8015B	**3.5**	**1300**	NL	<1.0	<1.0	<5.0	26	NA	NA	**6.0**	0.68	
	9/16/2010	300.0/8015B	**2.9**	**1400**	NL	<4.0	<4.0	<5.0	48	NA	NA	**7.7**	0.71	
	7/20/2010	300.0	**2.9**	**1500**	2.6	<4.0	<4.0	<2.5	57	7.18	6400	NA	NA	
	3/3/2010 [3]	300.0/8015B	**2.1**	**1600**	2.7	<4.0	<4.0	<0.5	88	NA	NA	**3.9**	0.88	
	7/27/2009	300.0	**2.1**	**1600**	NL	<4.0	<4.0	<0.5	73	7.03	6200	NA	NA	
	7/10/2008	300.0	**1.7**	**1800**	NL	<2.0	<2.0	<0.5	110	6.92	7400	NA	NA	
	5/24/2007	300.0	**1.9**	**1800**	NL	<2.0	<2.0	<0.5	120	NL	NL	NL	NL	
	10/26/2006	300.0	**2.0**	**3700**	NL	<2.0	<2.0	<2.5	120	6.87	NA	NA	NA	
GWM-2	11/11/2013		Not enough water for sampling											
	9/3/2013 [4]	300.0/8015B	0.84	**990**	3.6	**44**	**44**	<2.5	**990**	NA	NA	<1.0	<0.05	<5.0
	6/12/2013	300.0/8015B	<1.0	**960**	3.5	<1.0	<1.0	<5.0	**1000**	NA	NA	<1.0	<0.05	<5.0
	3/18/2013	300.0/8015B	1.6	**1100**	3.8	<2.0	<2.0	<2.5	**1300**	NA	NA	<1.0	0.052	<5.0
	11/28/2012	300.0/8015B	**3.8**	**1000**	7.5	<0.5	**15**	<2.5	**1500**	NA	NA	<1.0	<0.5	<5.0
	8/21/2012	300.0/8015B	**2.8**	**1200**	3.4	<0.5	**14**	<2.5	**1400**	NA	NA	<1.0	<0.25	<5.0
	6/12/2012	300.0/8015B	**3.5**	**1200**	4.0	<0.5	**24**	<2.5	**1400**	NA	NA	<1.0	<0.25	<5.0
	3/20/2012	300.0/8015B	**3.6**	**1500**	4.4	<0.5	**38**	<2.5	**1300**	NA	NA	**2.4**	<0.25	<5.0
	12/14/2011	300.0/8015B	0.48	**2100**	4.0	**25**	**25**	<10	**1000**	NA	NA	<1.0	<0.05	<5.0
	9/26/2011	300.0/8015B	1.6	**2200**	4.9	**52**	**52**	<2.5	**1200**	NA	NA	<1.0	<0.05	<5.0
	6/15/2011	300.0/8015B	**3.1**	**2200**	4.9	**66**	**66**	<2.5	**1100**	NA	NA	<1.0	<0.05	<5.0
	2/16/2011	300.0/8015B	0.43	**910**	3.3	**2.6**	2.6	<0.5	**660**	NA	NA	<1.0	<0.05	
	10/4/2010	300.0/8015B	0.52	**1800**	3.4	<4.0	<4.0	<0.5	**740**	NA	NA	<1.0	<0.05	
	9/16/2010	300.0/8015B	0.46	**1400**	NL	<4.0	<4.0	<5.0	**700**	NA	NA	<1.0	<0.05	
	2/28/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	

8.4.1 GWM-1, GWM-2, GWM-3
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)	pH	Specific Conductance (µS/cm)	DRO (mg/L)	GRO (mg/L)	MRO [2] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 to 9**	NE	**0.2** [1]	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**												
GWM-3	11/11/2013		No Samples - DRY											
	9/3/2013 [4]		No Samples - DRY											
	6/12/2013		No Samples - DRY											
	3/18/2013		No Samples - DRY											
	11/28/2012	300.0/8015B	**5.6**	**1200**	7.8	<0.5	8.8	<2.5	**1500**	NA	NA	<1.0	0.088	<5.0
	8/21/2012	300.0/8015B	**4.9**	**1200**	2.5	<0.5	**43**	<10	**1500**	NA	NA	<1.0	<0.25	<5.0
	6/12/2012	300.0/8015B	**4.4**	**1400**	3.5	<0.5	6.2	<2.5	**1400**	NA	NA	<1.0	<0.25	<5.0
	3/20/2012	300.0/8015B	**4.9**	**1300**	2.8	<0.5	**18**	<2.5	**1600**	NA	NA	**2.7**	<0.25	<5.0
	12/14/2011	300.0/8015B	**5.0**	**1400**	2.5	**51**	**51**	<10	**1800**	NA	NA	**1.3**	<0.05	<5.0
	9/26/2011	300.0/8015B	**5.3**	**1000**	2.5	**130**	**130**	<2.5	**2500**	NA	NA	**2.7**	<0.05	<5.0
	6/15/2011	300.0/8015B	**5.5**	**610**	2.3	<2.0	<2.0	<2.5	**1900**	NA	NA	**1.1**	0.12	<5.0
	2/16/2011	300.0/8015B	**4.2**	**1100**	2.1	**61**	**61**	<0.5	**1900**	NA	NA	<1.0	<0.05	<5.0
	10/4/2010	300.0/8015B	**5.9**	**1800**	2.3	**61**	**61**	<0.5	**1500**	NA	NA	**1.3**	0.12	
	9/16/2010	300.0/8015B	**4.7**	**2000**	NL	**66**	**66**	<5.0	**1500**	NA	NA	**3.7**	0.066	

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
1) NMED Table 6 (unknown oil). TPH Screening Guidelines for Potable Ground Water (GW-1). (Jun 2013)
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES
2) Per NMED "Approval with Modifications Annual Ground Water Monitoring Report 2010, Rev. 1", dated 12/12/12, Comment 7(a) added MRO to data tables.
3) GWM-1 sample schedule is on an annual basis. For this sampling period, technician used the unapproved Facility Work Plan (FWP) at the beginning of 2010. which called for this well to be sampled on a quarterly basis. The FWP was approved on August 25, 2010.
4) Quarterly sampling combined with 2013 Annual sampling event.

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

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 (APR 2014)			**0.01**	2.0	**0.005**	NE	NE	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	6.30E-04	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**												
GWM-1	11/11/2013	200.7/200.8	**0.13**	0.51	<0.002	<0.006	0.015	**17**	**0.017**	**2.2**	0.014	<0.0002	0.015	0.038
	9/3/2013 [4]	200.7/200.8	**0.12**	0.85	<0.002	<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	<0.002	<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	<0.002	<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	<0.002	<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**	<0.002	<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	<0.002	<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**	<0.002	<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	<0.002	<0.006	0.029	**15**	**0.023**	**2.5**	4.7E-03	<0.0002	0.02	0.041
	9/26/2011 [2]	200.7/200.8	**0.12**	**1.5**	<0.002	<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**	<0.002	<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	<0.002	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**	<0.002	<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	<0.002	<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**	<0.002	<0.006	0.019	**20**	0.011	**3.0**	<0.05	<0.0002	0.011	0.031
	3/3/2010 [1]	6010B	**0.098**	0.42	<0.002	<0.006	7.2E-03	**15**	7.8E-03	**3.0**	<0.05	<0.0002	2.24E-02	0.03
	7/27/2009	6010B	**0.114**	0.53	<0.002	<0.006	<0.006	**14**	7.2E-03	**3.2**	<0.001	<0.0002	1.59E-02	0.025
	7/10/2008	6010B	**0.07**	0.45	<0.002	<0.006	0.014	**14**	0.01	**3.6**	<0.05	<0.0002	NL	<0.05
	5/24/2007	6010B	**0.081**	0.44	<0.002	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	10/26/2006	6010B	**0.077**	0.53	<0.002	<0.006	NL	NL	NL	NL	NL	<0.0002	NL	NL
GWM-2 [3]	11/11/2013		Not enough water for sampling											
	9/3/2013 [4]	200.7/200.8	7.6E-03	0.059	<0.002	<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	<0.002	<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	<0.002	<0.006	0.045	0.44	7.1E-03	**0.45**	9.9E-03	<0.0002	**0.12**	0.025
GWM-3 [3]	11/11/2013		No Samples - DRY											
	9/3/2013 [4]		No Samples - DRY											
	6/12/2013		No Samples - DRY											
	3/18/2013		No Samples - DRY											
	8/21/2012	200.7/200.8	3.3E-03	0.04	<0.002	<0.006	0.22	**1.7**	**0.07**	**1.0**	9.2E-03	<0.0002	**0.067**	0.47

DEFINITIONS	**STANDARDS**
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
NA = Not analyzed	a) Human Health Standards; b) Other standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

NOTES

1) Used unapproved Facility Work Plan (FWP) at beginning of year which required quarterly sampling. This well is sampled on an annual basis.

2) 9/26/2011 Quarterly sampling combined with Annual sampling event

3) As part of the Annual sampling requirement - Metals (Total and Dissolved) were analyzed.

4) Quarterly sampling combined with 2013 Annual sampling event.

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

			Parameters													
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (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)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	0.01	NE	**0.05**	**1.0**	**1.0**	0.05	NE	**0.2**	NE	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	NE	0.1	1.3	NE	**0.015**	NE	NE	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	NE	0.62	11	NE	NE	0.32	NE	0.078	NE	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**															
GWM-1	11/11/2013	200.7/200.8	**0.11**	0.51	<0.002	250	<0.006	<0.006	**11**	3.7E-03	59	**2.2**	3.7	0.015	1200	0.014	0.11
	9/3/2013 [4]	200.7/200.8	**0.12**	0.83	<0.002	290	<0.006	<0.006	**13**	<0.005	64	**2.7**	1.6	0.013	1100	0.011	0.1
	6/12/2013	200.7/200.8	**0.12**	0.87	<0.002	300	<0.006	<0.006	**8.1**	2.4E-03	66	**3.2**	4.1	0.02	1000	6.8E-03	0.017
	3/18/2013	200.7/200.8	**0.11**	0.83	<0.002	260	<0.006	<0.006	**6.0**	0.006	65	**2.8**	3.7	<0.005	860	0.005	0.013
	11/28/2012	200.7/200.8	**0.084**	0.83	<0.002	280	<0.006	<0.006	**8.7**	3.7E-03	71	**2.9**	2.6	5.5E-03	1000	0.019	0.11
	8/21/2012	200.7/200.8	**0.082**	**1.1**	<0.002	320	<0.006	<0.006	**6.8**	<0.005	75	**3.1**	4.1	7.6E-03	990	3.8E-03	0.03
	6/12/2012	200.7/200.8	**0.054**	**1.1**	<0.002	290	<0.006	<0.006	**4.0**	<0.005	68	**2.9**	2.9	9.9E-03	980	5.5E-03	0.016
	3/20/2012	200.7/200.8	**0.073**	0.97	<0.002	320	<0.006	<0.006	**9.4**	5.2E-03	75	**3.0**	2.5	9.6E-03	1100	0.006	0.067
	12/14/2011	200.7/200.8	**0.088**	0.52	<0.01	280	<0.03	<0.03	**11**	<0.025	65	**2.3**	<5.0	6.7E-03	1200	0.02	<0.05
	9/26/2011	200.7/200.8	**0.12**	**1.3**	<0.002	300	<0.006	<0.006	**14**	<0.005	71	**2.7**	<5.0	0.012	1200	8.1E-03	0.028
	6/15/2011	200.7/200.8	**0.1**	**1.4**	<0.01	270	<0.03	<0.03	**14**	<0.025	65	**2.7**	<5.0	0.025	1000	7.5E-03	0.063
	2/16/2011	200.7/200.8	**0.15**	0.95	<0.01	310	<0.03	<0.03	**14**	<0.025	73	**2.9**	6.4	0.014	1200	0.013	<0.05
	11/2/2010	6010B	<0.2	**1.3**	<0.002	330	<0.006	<0.006	**5.2**	9.4E-03	75	**3.0**	2.9	<0.05	1100	0.007	NL
	9/16/2010	6010B	**0.12**	**1.2**	<0.002	310	<0.006	<0.006	**15**	8.6E-03	76	**2.9**	2.8	<0.25	1200	0.01	NL
	7/20/2010 [2]	6010B	**0.15**	**1.1**	<0.002	310	<0.006	<0.006	**14**	5.6E-03	70	**2.9**	3.1	<0.05	1200	NL	<0.05
	3/2/2010 [1]	6010B	**0.074**	0.38	<0.002	280	<0.006	<0.006	**12**	8.4E-03	57	**2.7**	2.9	<0.05	1200	0.028	0.059
GWM-2 [3]	11/11/2013		Not enough water for sampling														
	9/3/2013 [4]	200.7/200.8	8.4E-03	0.036	<0.002	410	<0.006	0.014	0.19	8.1E-03	67	**1.1**	1.7	0.018	1000	**0.17**	0.059
	6/12/2013	200.7/200.8	9.3E-03	0.029	<0.002	410	<0.006	0.011	0.12	8.1E-03	70	**1.3**	5.7	0.023	1100	**0.17**	0.02
	3/18/2013	CATIONS	NA	NA	NA	420	NA	NA	NA	NA	72	NA	4.5	NA	1100	NA	NA
	11/28/2012	CATIONS	NA	NA	NA	370	NA	NA	NA	NA	81	NA	2.9	NA	1300	NA	NA
	8/21/2012	200.7/200.8	6.9E-03	0.033	<0.002	430	<0.006	0.041	0.13	0.012	82	**0.55**	4.2	0.012	1300	**0.12**	0.039
	6/12/2012	CATIONS	NA	NA	NA	420	NA	NA	NA	NA	79	NA	2.8	NA	1400	NA	NA
	3/20/2012	CATIONS	NA	NA	NA	620	NA	NA	NA	NA	120	NA	4.1	NA	1500	NA	NA
	12/14/2011	CATIONS	NA	NA	NA	530	NA	NA	NA	NA	95	NA	2.9	NA	1500	NA	NA
	9/26/2011	CATIONS	NA	NA	NA	620	NA	NA	NA	NA	110	NA	4.2	NA	1600	NA	NA
	6/15/2011	CATIONS	NA	NA	NA	570	NA	NA	NA	NA	120	NA	4.2	NA	1600	NA	NA
	2/16/2011	CATIONS	NA	NA	NA	450	NA	NA	NA	NA	74	NA	3.7	NA	1000	NA	NA
	10/4/2010	CATIONS	NA	NA	NA	420	NA	NA	NA	NA	77	NA	3.0	NA	910	NA	NA
	9/16/2010	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

8.4.3 GWM-1, GWM-2, GWM-3

Dissolved Metals Analytical Result Summary

			Parameters													
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (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)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	0.01	NE	**0.05**	**1.0**	**1.0**	0.05	NE	**0.2**	NE	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	NE	0.1	1.3	NE	**0.015**	NE	NE	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	NE	0.62	11	NE	NE	0.32	NE	0.078	NE	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**															
GWM-3 [3]	11/11/2013		No Samples - DRY														
	9/3/2013 [4]		No Samples - DRY														
	6/12/2013		No Samples - DRY														
	3/18/2013		No Samples - DRY														
	11/28/2012	CATIONS	NA	NA	NA	340	NA	NA	NA	NA	70	NA	4.3	NA	1200	NA	NA
	8/21/2012	200.7/200.8	<0.005	0.029	<0.002	390	<0.006	0.23	0.88	**0.063**	75	**1.7**	4.9	9.9E-03	1200	**0.066**	0.46
	6/12/2012	CATIONS	NA	NA	NA	400	NA	NA	NA	NA	78	NA	<10	NA	1300	NA	NA
	3/20/2012	CATIONS	NA	NA	NA	480	NA	NA	NA	NA	87	NA	3.7	NA	1400	NA	NA
	12/14/2011	CATIONS	NA	NA	NA	440	NA	NA	NA	NA	79	NA	4.6	NA	1300	NA	NA
	9/26/2011	CATIONS	NA	NA	NA	500	NA	NA	NA	NA	91	NA	5.1	NA	1300	NA	NA
	6/15/2011	CATIONS	NA	NA	NA	470	NA	NA	NA	NA	83	NA	5.7	NA	1200	NA	NA
	2/16/2011	CATIONS	NA	NA	NA	450	NA	NA	NA	NA	81	NA	7.9	NA	1200	NA	NA
	10/4/2010	CATIONS	NA	NA	NA	450	NA	NA	NA	NA	89	NA	7.6	NA	1300	NA	NA
	9/16/2010	CATIONS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

NOTES

1) Used unapproved FWGWMP sampling guidelines for first quarter 2010 which lists this well to be sampled on a quarterly basis. (GWM-1 is on an annual sampling schedule)
2) Began using approved 2010 FWGWMP (August 25, 2010)
3) As part of the Annual sampling requirement - Metals (Total and Dissolved) were analyzed.
4) Quarterly sampling combined with 2013 Annual sampling event.

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)	2,4-Dimethyl phenol (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-04 [1]**	**9.7E-04**	**0.027**	**12**	**0.679 [1]**	**0.78**	**0.53**	**0.73 [1]**
Well ID	**DATE SAMPLED**	**METHOD**										
GWM-1	11/11/2013	8260B	5.2E-03	<0.001	<0.002	**4.7E-03**	<0.004	<0.01	1.2E-03	<0.003	1.8E-03	NA
	9/3/2013 [6]	8260B/8270C	0.011	<0.005	<0.01	<0.02	<0.02	<0.05	<0.005	<0.015	<0.005	0.077
	6/12/2013	8260B	0.013	2.7E-03	<0.002	**0.018**	<0.004	0.013	1.2E-03	<0.003	1.8E-03	NA
	3/18/2013	8260B	**0.019**	<0.005	<0.01	<0.02	<0.02	<0.05	<0.005	<0.015	<0.005	NA
	11/28/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.01	<0.03	<0.01	NA
	8/21/2012	8260B/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
	6/12/2012	8260B	4.9E-03	<0.001	<0.002	**6.3E-03**	<0.004	0.011	<0.001	<0.001	1.6E-03	NA
	3/20/2012	8260B	1.8E-03	<0.001	<0.002	<0.004	<0.004	0.011	<0.001	<0.001	1.1E-03	NA
	12/14/2011	8260B	0.004	<0.001	<0.002	**5.2E-03**	<0.004	<0.01	1.3E-03	<0.001	2.2E-03	NA
	9/26/2011 [5]	8260B	**0.019**	2.9E-03	**4.4E-03**	**0.028**	<0.004	<0.01	1.9E-03	<0.01	2.7E-03	NA
	6/15/2011	8260B	**0.018**	3.1E-03	**5.5E-03**	**0.024**	6.2E-03	<0.01	1.8E-03	<0.01	2.8E-03	NA
	2/16/2011	8260B	0.008	<0.001	<0.002	**0.01**	<0.004	<0.01	1.4E-03	<0.001	1.8E-03	NA
	11/2/2010	8260B	7.5E-03	<0.001	<0.02	**0.011**	<0.004	<0.01	<0.001	1.6E-03	1.2E-03	NA
	9/16/2010 [4]	8260B	0.012	1.9E-03	NA	NA	NA	NA	NA	NA	NA	NA
	7/20/2010 [3]	8260B/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
	3/3/2010 [2]	8260B	8.1E-03	<0.005	<0.01	<0.02	<0.02	<0.05	<0.005	<0.005	<0.005	NA
	7/27/2009	8260B/8270C	6.4E-03	1.1E-03	**2.4E-03**	**9.7E-03**	<0.004	<0.01	2.6E-03	<0.001	2.0E-04	0.064
	7/10/2008	8260B	4.6E-03	<0.002	<0.002	<0.008	<0.008	<0.02	<0.002	<0.002	<0.002	0.028
	5/24/2007	8260B/8270C	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.01	<0.01	<0.01	<0.01
GWM-2	11/11/2013		Not enough water for sampling									
	9/3/2013 [6]	8206B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.001	<0.003	<0.001	<0.01
	6/12/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.011	<0.001	<0.003	<0.001	NA
	3/18/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.011	<0.001	<0.003	<0.001	NA
	6/15/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.001	<0.001	<0.001	NA
	2/16/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.001	<0.001	<0.001	NA
GWM-3	11/11/2013		No Samples - DRY									
	9/3/2013 [6]		No Samples - DRY									
	6/12/2013		No Samples - DRY									
	3/18/2013		No Samples - DRY									
	6/15/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.001	<0.001	<0.001	NA
	2/16/2011	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.001	<0.001	<0.001	NA

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
1. NMED Tap Water (Jun 2012)

NOTES:
2) Used unapproved 2010 Facility Wide Ground Water Monitoring Plan (FWGWMP) first quarter 2010.
3) Began using approved 2010 FWGWMP (August 25, 2010).
4) Method 8260B volatiles short list only run
5) 9/26/2011 Quarterly sampling combined with Annual sampling event
6) Quarterly sampling combined with 2013 Annual sampling event.

8.5 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
Well ID	**DATE SAMPLED**	**METHOD**					
NAPIS 1	11/12/2013	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	9/3/2013 [3]	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
	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
	11/23/2009	8260B	<0.001	1.6E-03	<0.001	<0.002	<0.0025
	8/11/2009	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	5/28/2009	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/24/2009	8260B	<0.001	0.001	<0.001	<0.002	<0.0025
	11/10/2008	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	9/30/2008	8260B	<0.001	<0.001	<0.001	<0.002	NL
	7/9/2008	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	4/11/2008	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
NAPIS 2	11/12/2013	8021B	0.001	<0.001	8.3E-03	<0.002	**0.25**
	9/3/2013 [3]	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**
	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**
	3/2/2011	8021B	**0.04**	<0.005	0.014	<0.01	**0.34**
	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**
	11/23/2009	8260B	**0.032**	0.001	9.3E-03	<0.002	0.094
	8/11/2009	8260B	**0.057**	<0.001	0.022	<0.002	0.089
	5/28/2009	8260B	**0.028**	<0.005	5.3E-03	<0.01	**0.13**
	3/24/2009	8260B	**0.019**	1.1E-03	8.1E-03	<0.002	0.09

8.5 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
Well ID	**DATE SAMPLED**	**METHOD**					
NAPIS 2	11/10/2008	8260B	**0.025**	<0.001	0.011	<0.002	**0.18**
	9/30/2008	8260B	**0.016**	<0.001	1.6E-03	4.1E-03	NL
	7/9/2008	8260B	**0.013**	<0.001	0.011	5.6E-03	**0.2**
	4/11/2008	8260B	**0.91**	0.019	0.051	0.12	**0.32**
NAPIS 3	11/12/2013	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	9/3/2013 [3]	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 [2]	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
	11/23/2009	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	8/31/2009	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	6/15/2009	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	3/25/2009	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	11/10/2008	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
KA 3	11/12/2013	8021B	2.4E-03	<0.001	1.8E-03	<0.002	6.5E-03
	9/3/2013 [3]	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
	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

8.5 NAPIS-1, NAPIS-2, NAPIS-3, KA-3
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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
Well ID	**DATE SAMPLED**	**METHOD**					
KA 3	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
	11/23/2009	8260B	<0.001	<0.001	<0.001	<0.002	0.077
	8/31/2009	8260B	<0.001	<0.001	<0.001	<0.002	**0.17**
	5/28/2009	8260B	3.3E-03	1.2E-03	<0.001	<0.002	**0.13**
	3/25/2009	8260B	<0.001	<0.001	<0.001	<0.002	0.11
	7/9/2008	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	11/10/2008	8260B	<0.001	<0.001	<0.001	<0.002	**0.13**
	9/30/2008	8260B	Not enough water for sampling				

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
1. NMED Tap Water (JUN 2012)

NOTES
2) Was not sampled in September due to low recharge rate.
3) Quarterly combined with 2013 Annual sampling event.

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

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)	pH	Specific Conductance (µS/cm)	DRO (mg/L)	GRO (mg/L)	MRO [2] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 TO 9**	NE	**0.2** [1]	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**												
NAPIS 1	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 [6]	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	
	11/23/2009	300.0/8015B	1.4	170	NL	**1.8**	1.8	<0.5	100	7.39	2000	<1.0	<0.05	
	8/11/2009	300.0/8015B	1.2	160	NL	0.54	0.54	<0.5	93	7.67	1800	<1.0	<0.05	
	5/28/2009	300.0/8015B	1.2	150	NL	0.31	0.31	<0.5	71	7.82	1900	<1.0	<0.05	
	3/24/2009	300.0/8015B	0.69	120	NL	<1.0	<1.0	<0.5	38	7.69	2000	<1.0	<0.05	
	11/10/2008	300.0/8015B	0.73	160	NL	<0.1	1.6	<0.5	63	7.3	1900	<1.0	<0.05	
	9/30/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	
	7/9/2008	300.0/8015B	1.4	180	NL	<1.0	<1.0	<0.5	98	7.27	1900	<1.0	<0.05	
	4/11/2008	300.0/8015B	0.79	170	NL	0.55	0.55	<0.5	<0.5	7.26	2000	<1.0	<0.05	
NAPIS 2	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 [6]	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 [4]	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

			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)	DRO (mg/L)	GRO (mg/L)	MRO [2] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 TO 9**	NE	**0.2** [1]	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**												
NAPIS 2	12/14/2011 [3]	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	
	11/23/2009	300.0/8015B	1.6	220	NL	<1.0	<1.0	<0.05	13	7.16	1500	**2.7**	0.78	
	8/11/2009	300.0/8015B	**1.7**	**250**	NL	<1.0	<1.0	<0.05	17	7.56	1500	**2.9**	0.62	
	5/28/2009	300.0/8015B	**1.7**	210	NL	0.16	0.16	<0.05	22	7.51	1400	**3.4**	0.53	
	3/24/2009	300.0/8015B	1.5	240	NL	<1.0	<1.0	<0.05	23	7.47	1800	**4.3**	0.37	
	11/10/2008	300.0/8015B	1.4	200	NL	<1.0	<1.0	<0.05	32	7.21	1600	**4.0**	0.59	
	9/30/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.9**	0.48	
	7/9/2008	300.0/8015B	1.1	**270**	NL	<1.0	<1.0	<0.5	33	7.18	2000	**2.4**	0.74	
	4/11/2008	300.0/8015B	0.92	**360**	NL	<1.0	<1.0	<0.5	42	7.0	2100	**1.5**	2.2	
NAPIS 3	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 [6]	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 [5]	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	
	11/23/2009	300.0/8015B	0.49	**1100**	NL	**15**	**15**	<0.5	370	7.91	4400	<1.0	<0.05	
	8/31/2009	300.0/8015B	0.47	**1000**	NL	**14**	**14**	<0.5	<10	8.07	4000	<1.0	<0.05	

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

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)	pH	Specific Conductance (µS/cm)	DRO (mg/L)	GRO (mg/L)	MRO [2] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 TO 9**	NE	**0.2** [1]	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**												
NAPIS 3	6/15/2009	300.0/8015B	0.46	**1200**	NL	**18**	**18**	<0.5	330	8.23	4200	<1.0	<0.05	
	3/25/2009	300.0/8015B	0.43	**1200**	NL	<1.0	**14**	<0.5	340	8.11	5200	<1.0	<0.05	
	11/10/2008	300.0/8015B	1.1	**1100**	NL	<1.0	2.6	<0.5	310	8.05	4300	<1.0	<0.05	
	9/30/2008	300.0/8015B	Not enough water to sample											
	7/9/2008	300.0/8015B	0.46	**1100**	NL	**9.1**	9.1	<0.5	270	8.29	4200	<1.0	<0.05	
KA 3	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 [6]	300.0/8015B	1.1	170	1.0	**20**	**20**	<0.5	39	NA	NA	<1.0	<0.05	<5.0
	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	
	11/23/2009	300.0/8015B	1.3	**610**	NL	**3.2**	3.2	<0.05	120	7.31	2900	<1.0	0.19	
	8/31/2009	300.0/8015B	2.4	230	NL	<2.0	<2.0	<0.05	50	7.58	1500	**1.4**	0.52	
	5/28/2009	300.0/8015B	1.6	**260**	NL	0.22	0.22	<0.05	66	7.71	1700	<1.0	0.32	
	3/25/2009	300.0/8015B	1.5	**340**	NL	<1.0	0.9	<0.05	76	7.64	2400	<1.0	0.18	
	11/10/2008	300.0/8015B	0.46	**590**	NL	**2.0**	**11**	<0.05	140	7.34	2700	<1.0	0.15	
	9/30/2008	300.0/8015B	Not enough water to sample											

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

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)	pH	Specific Conductance (µS/cm)	DRO (mg/L)	GRO (mg/L)	MRO [2] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 TO 9**	NE	**0.2 [1]**	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**												

DEFINITIONS

NE = Not established
NA = Not analyzed
NL = Not listed on laboratory analyses
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.
a) Human Health Standards; b) Other standards for Domestic Water
1) NMED Table 6-2 (Unknown oil), TPH Screening Guidelines for Potable Ground Water (GW-1). (JUN 2012)
40 CFR 141.62 Detection limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES

2) Per NMED "Approval with Modifications Annual Ground Water Monitoring Report 2010, Rev. 1", dated 12/12/12, Comment 7(a) added MRO to data tables.
3) 12/14/11 - General Chemistry parameters missed this quarter. Notified NMED and instructed to re-sample for general chemistry parameters only.
4) Resampled for General Chemistry parameters only.
5) Was not sampled in September due to low recharge rate.
6) Quarterly combined with 2013 Annual sampling event.

8.5.2 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

Total Metals Analytical Result Summary

			Parameters									
			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 (APR 2014)			**0.01**	2.0	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**											
NAPIS 1	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 [3]	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
	11/23/2009	6010B	<0.02	0.2	7.7E-03	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	8/11/2009	6010B	<0.02	0.11	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	5/28/2009	6010B	<0.02	0.091	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	3/24/2009	6010B	<0.02	0.1	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	10/14/2008	6010B	<0.02	0.17	<0.01	NL	NL	<0.005	NL	<0.02	<0.0002	NL	NL
NAPIS 2	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 [3]	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

8.5.2 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

Total Metals Analytical Result Summary

			Parameters									
			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 (APR 2014)			**0.01**	2.0	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**											
NAPIS 2	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
	11/23/2009	6010B	<0.02	**1.1**	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	8/11/2009	6010B	<0.02	0.94	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	5/28/2009	6010B	<0.02	0.65	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
NAPIS 3	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 [3]	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
	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 [2]	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
	11/23/2009	6010B	<0.02	0.15	7.2E-03	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	8/31/2009	6010B	<0.02	0.092	<0.01	NL	NL	<0.005	NL	<0.02	<0.0002	NL	NL
	6/15/2009	6010B	<0.02	0.14	<0.01	NL	NL	<0.005	NL	<0.02	<0.0002	NL	NL
	3/25/2009	6010B	<0.02	0.13	<0.01	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
KA 3	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 [3]	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

8.5.2 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

Total Metals Analytical Result Summary

			Parameters									
			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 (APR 2014)			**0.01**	2.0	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**											
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
	11/23/2009	6010B	<0.02	0.55	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	8/31/2009	6010B	<0.02	0.22	<0.01	NL	NL	<0.005	NL	<0.02	<0.0002	NL	NL
	5/28/2009	6010B	<0.02	0.29	<0.006	NL	NL	<0.005	NL	<0.05	<0.0002	NL	NL
	3/25/2009	6010B	<0.02	0.22	<0.006	NL	NL	5.50E-03	NL	<0.05	<0.0002	NL	NL

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
1) National Primary Drinking Water Regulation (May 2009); Action Level
EPA Regional Screening Level (RSL) Summary Table

NOTES

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

3) Quarterly combined with 2013 Annual sampling event.

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

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Calcium (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)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	NE	**0.05**	**1.0**	**1.0**	0.05	NE	**0.2**	NE	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	NE	0.1	1.6	NE	**0.015**	NE	NE	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	NE	NE	0.62	11	NE	NE	0.32	NE	0.078	NE	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**														
NAPIS 1	11/12/2013	200.7/200.8	<0.005	0.17	110	<0.006	<0.006	<0.02	<0.005	19	0.071	<1.0	0.011	330	0.011	<0.01
	9/9/2013 [4]	200.7/200.8	<0.005	0.15	87	<0.03	<0.03	<0.1	<0.005	15	0.064	<5.0	8.5E-03	340	<0.01	<0.05
	6/12/2013	200.7/200.8	3.4E-03	0.13	77	<0.006	<0.006	0.057	<0.001	12	0.027	1.4	0.011	340	0.011	<0.01
	3/18/2013	200.7/200.8	1.6E-03	0.091	56	<0.006	<0.006	<0.02	<0.005	11	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	58	<0.006	<0.006	<0.02	<0.001	11	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	73	<0.006	<0.006	<0.02	<0.005	13	0.011	<1.0	4.3E-03	350	0.011	0.017
	6/12/2012	200.7/200.8	2.3E-03	0.1	70	<0.006	<0.006	0.025	<0.005	13	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	80	<0.006	<0.006	<0.02	<0.005	15	6.1E-03	<1.0	0.006	350	0.01	0.022
	12/14/2011	200.7/200.8	1.7E-03	0.12	84	<0.006	<0.006	0.27	<0.005	15	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	71	<0.006	<0.006	<0.02	<0.005	13	0.056	2.0	9.2E-03	400	**0.032**	0.011
	6/15/2011	200.7/200.8	4.7E-03	0.14	83	<0.006	<0.006	<0.020	<0.005	15	2.3E-03	<1.0	0.017	340	0.016	0.028
	3/2/2011	200.7/200.8	1.3E-03	0.15	97	<0.006	<0.006	0.032	<0.005	18	<0.002	1.5	<0.05	380	0.017	<0.01
	11/2/2010	6010B	<0.1	0.13	75	<0.006	<0.006	0.057	<0.005	14	0.016	<5.0	<0.25	420	**0.034**	NL
	9/15/2010	6010B	<0.02	0.18	100	<0.006	<0.006	0.29	6.4E-03	18	6.6E-03	<1.0	<0.05	370	0.011	NL
	6/8/2010	6010B	<0.2	0.13	72	<0.006	NL	NL	<0.005	13	NL	<1.0	<0.05	370	NL	NL
	3/8/2010	6020A	1.08E-03	0.139	65.5	<0.001	2.1E-03	<0.01	<0.001	11.5	<0.001	0.829	1.24E-04	322	2.79E-02	2.58E-02
	11/23/2009	6010B	NL	0.2	58	7.7E-03	NL	NL	<0.005	13	NL	3.7	NL	390	NL	NL
	8/11/2009	6010B	NL	0.11	56	<0.006	NL	NL	<0.005	11	NL	1.7	NL	380	NL	NL
	5/28/2009	6010B	NL	0.091	57	<0.006	NL	NL	<0.005	11	NL	<1.0	NL	390	NL	NL
	3/24/2009	6010B	NL	0.1	67	<0.006	NL	NL	<0.005	12	NL	<1.0	NL	340	NL	NL
	11/10/2008	6010B	<0.02	0.13	78	<0.006	NL	NL	<0.005	14	NL	1.2	<0.25	390	NL	NL
	9/30/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/9/2008	6010B	NL	NL	70	NL	NL	NL	NL	12	NL	2.1	NL	430	NL	NL
	4/11/2008	6010B	NL	NL	72	NL	NL	NL	NL	13	NL	1.5	NL	370	NL	NL
NAPIS 2	11/12/2013	200.7/200.8	7.7E-03	**1.5**	79	<0.006	<0.006	**1.8**	<0.001	16	**1.3**	<1.0	0.008	310	<0.001	<0.01
	9/9/2013 [4]	200.7/200.8	6.9E-03	**1.7**	90	<0.006	<0.006	**2.6**	<0.005	17	**1.3**	<1.0	0.006	350	<0.01	0.021
	6/12/2013	200.7/200.8	6.8E-03	**1.9**	92	<0.006	<0.006	**1.7**	<0.001	16	**1.6**	1.7	7.1E-03	360	<0.001	0.01
	3/18/2013	200.7/200.8	6.2E-03	**1.5**	77	<0.006	<0.006	**1.1**	<0.005	15	**1.2**	<1.0	2.4E-03	280	<0.002	<0.01
	11/28/2012	200.7/200.8	8.3E-03	**1.7**	100	<0.006	<0.006	**2.9**	<0.001	22	**1.8**	<1.0	3.4E-03	330	<0.001	0.011
	8/21/2012	200.7/200.8	**0.014**	**2.7**	110	<0.006	<0.006	**1.9**	<0.005	21	**1.6**	<1.0	3.4E+00	380	<0.001	0.016
	6/12/2012	200.7/200.8	8.9E-03	**1.8**	93	<0.006	<0.006	**2.7**	<0.005	19	**1.6**	<1.0	4.7E-03	350	<0.001	0.18
	3/20/2012	200.7/200.8	9.3E-03	**1.8**	94	<0.006	<0.006	**3.0**	<0.005	18	**1.5**	<1.0	4.2E-03	350	<0.001	0.07
	12/14/2011	200.7/200.8	8.9E-03	**1.8**	NL	<0.006	<0.006	**3.2**	<0.005	NL	**1.3**	NL	2.8E-03	NL	<0.001	<0.01
	9/27/2011	200.7/200.8	**0.011**	**1.4**	79	<0.006	<0.006	**2.2**	<0.005	15	**1.2**	<1.0	0.005	330	<0.001	0.015
	6/15/2011	200.7/200.8	**0.012**	**1.7**	85	<0.006	<0.006	**3.2**	<0.005	17	**1.3**	<1.0	9.5E-03	310	<0.001	0.041
	3/2/2011	200.7/200.8	**0.013**	0.055	44	<0.006	<0.006	**4.8**	<0.005	7.6	<0.002	5.8	<0.05	380	<0.001	<0.01

8.5.3 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

Dissolved Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Calcium (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)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	NE	**0.05**	**1.0**	**1.0**	0.05	NE	**0.2**	NE	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	NE	0.1	1.6	NE	**0.015**	NE	NE	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	NE	NE	0.62	11	NE	NE	0.32	NE	0.078	NE	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**														
NAPIS 2	11/2/2010	6010B	<0.1	**1.4**	73	<0.006	<0.006	**2.9**	<0.005	14	**1.2**	<1.0	<0.05	320	NL	NL
	9/15/2010	6010B	<0.02	**1.5**	69	<0.006	<0.006	**3.7**	<0.005	13	**1.0**	<1.0	<0.05	310	<0.001	NL
	6/10/2010	6010B	<0.02	**1.7**	80	<0.006	NL	NL	<0.005	16	NL	<1.0	<0.05	320	NL	NL
	3/8/2010	6020A	4.73E-03	**1.73**	85	<0.001	<0.001	**3.82**	<0.001	15.7	**1.06**	0.278	<0.001	319	<0.001	5.3E-02
	11/23/2009	6010B	NL	**1.1**	56	<0.006	NL	NL	<0.005	11	NL	<1.0	NL	350	NL	NL
	8/11/2009	6010B	NL	0.94	57	<0.006	NL	NL	<0.005	11	NL	<1.0	NL	300	NL	NL
	5/28/2009	6010B	NL	0.65	51	<0.006	NL	NL	<0.005	9.9	NL	<1.0	NL	290	NL	NL
	3/24/2009	6010B	NL	0.76	53	<0.006	NL	NL	<0.005	10	NL	<1.0	NL	280	NL	NL
	11/10/2008	6010B	<0.02	0.42	65	<0.006	NL	NL	6.5E-03	9.7	NL	<1.0	<0.05	330	NL	NL
	9/30/2008	6010B	NL	NL	70	NL	NL	NL	NL	13	NL	<1.0	NL	360	NL	NL
	4/11/2008	6010B	NL	NL	110	NL	NL	NL	NL	19	NL	1.3	NL	380	NL	NL
NAPIS 3	11/12/2013	200.7/200.8	7.6E-03	0.055	37	<0.006	<0.006	0.15	<0.001	5.8	4.7E-03	4.5	0.029	820	**0.036**	0.024
	9/9/2013 [4]	200.7/200.8	6.3E-03	0.058	43	<0.006	<0.006	0.17	<0.001	6.8	7.5E-03	2.9	0.023	950	**0.041**	0.028
	6/12/2013	200.7/200.8	7.7E-03	0.094	48	<0.006	<0.006	0.57	1.4E-03	6.7	0.038	5.4	0.032	900	**0.038**	0.019
	3/18/2013	200.7/200.8	4.8E-03	0.18	48	<0.006	6.5E-03	**4.6**	<0.005	7.8	**0.25**	5.4	0.012	810	**0.037**	0.037
	11/28/2012	200.7/200.8	5.2E-03	0.14	84	<0.006	0.014	**15**	0.01	11	**0.39**	4.9	0.012	930	**0.035**	0.1
	10/2/2012 [3]	200.7/200.8	0.004	0.11	51	<0.006	<0.006	**3.2**	<0.005	7.5	0.14	4.0	0.013	890	**0.038**	0.035
	6/12/2012	200.7/200.8	0.005	0.054	37	<0.006	<0.006	0.024	<0.005	6.2	<0.002	3.7	0.019	870	**0.039**	0.015
	3/20/2012	200.7/200.8	3.9E-03	0.063	40	7.9E-03	<0.006	0.51	<0.005	6.4	0.014	3.9	0.017	920	**0.032**	0.084
	12/14/2011	200.7/200.8	3.7E-03	0.052	41	<0.006	<0.006	0.12	<0.005	6.9	4.7E-03	<5.0	0.013	960	**0.04**	0.018
	9/27/2011	200.7/200.8	6.4E-03	0.058	38	<0.006	<0.006	0.14	<0.005	6.2	3.5E-03	4.3	0.025	1000	**0.038**	0.018
	6/15/2011	200.7/200.8	8.5E-03	0.17	98	<0.006	<0.006	0.057	<0.005	17	**0.92**	1.4	0.019	490	0.013	0.27
	3/2/2011	200.7/200.8	<0.001	0.057	42	<0.006	<0.006	<0.02	<0.005	7.6	<0.002	5.7	<0.05	970	**0.039**	<0.01
	11/2/2010	6010B	<0.02	0.081	42	<0.006	<0.006	0.025	<0.005	7	0.01	4.2	<0.05	990	**0.035**	NL
	9/15/2010	6010B	<0.02	0.066	39	<0.006	<0.006	0.021	<0.005	6.3	0.0021	3.9	<0.05	910	**0.032**	NL
	6/10/2010	6010B	<0.02	0.62	87	<0.006	NL	NL	<0.005	15	NL	<1.0	<0.05	260	NL	NL
	3/8/2010	6020A	3.12E-03	6.41E-02	41.5	2.71E-03	2.22E-03	<0.01	<0.001	6.8	1.38E-03	4.49	3.64E-03	835	2.96E-02	0.034
	11/23/2009	6010B	NL	0.15	46	7.2E-03	NL	NL	<0.005	8.8	NL	5.4	NL	930	NL	NL
	8/11/2009	6010B	NL	0.092	39	<0.01	NL	NL	<0.005	6.4	NL	4.0	NL	870	NL	NL
	6/15/2009	6010B	NL	0.14	49	<0.01	NL	NL	<0.005	6.8	NL	4.2	NL	840	NL	NL
	3/24/2009	6010B	NL	0.13	47	<0.006	NL	NL	<0.005	6.5	NL	3.9	NL	880	NL	NL
	11/10/2008	6010B	<0.02	0.13	41	<0.006	NL	NL	<0.005	6.6	NL	4.4	<0.5	960	NL	NL
	9/30/2008	6010B	Not enough water to sample													
	7/9/2008	6010B	NL	NL	65	NL	NL	NL	NL	7.8	NL	4.1	NL	910	NL	NL
KA 3	11/12/2013	200.7/200.8	3.6E-03	0.18	81	<0.006	<0.006	<0.02	<0.001	12	**0.37**	1.9	9.1E-03	310	0.02	0.011
	9/9/2013 [4]	200.7/200.8	<0.005	0.15	75	<0.006	<0.006	<0.02	<0.005	12	**0.37**	<1.0	5.6E-03	300	0.011	0.03
	6/12/2013	200.7/200.8	0.003	0.14	83	<0.006	<0.006	<0.02	<0.001	12	**0.31**	2.3	7.7E-03	310	0.015	<0.01

8.5.3 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

Dissolved Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Calcium (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)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	NE	**0.05**	**1.0**	**1.0**	0.05	NE	**0.2**	NE	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	NE	0.1	1.6	NE	**0.015**	NE	NE	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	NE	NE	0.62	11	NE	NE	0.32	NE	0.078	NE	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**														
KA 3	3/18/2013	200.7/200.8	1.9E-03	0.063	74	<0.006	<0.006	<0.02	<0.005	12	**0.53**	2.5	2.9E-03	260	0.019	0.022
	11/28/2012	200.7/200.8	4.6E-03	0.15	78	<0.006	<0.006	**4.2**	4.6E-03	16	**0.61**	3.0	8.7E-03	590	0.024	0.021
	8/21/2012	200.7/200.8	3.1E-03	0.17	77	<0.006	<0.006	<0.02	<0.005	13	**0.39**	1.8	4.7E-03	430	0.013	0.022
	6/12/2012	200.7/200.8	3.8E-03	0.094	68	<0.006	<0.006	0.15	<0.005	12	**0.38**	1.6	7.2E-03	450	0.015	0.012
	3/20/2012	200.7/200.8	3.3E-03	0.068	93	0.011	<0.006	0.35	<0.005	16	**0.35**	2.8	8.5E-03	550	0.018	0.033
	12/14/2011	200.7/200.8	3.4E-03	0.31	72	<0.006	<0.006	0.14	<0.005	12	**0.95**	<1.0	2.1E-03	330	4.2E-03	<0.01
	9/27/2011	200.7/200.8	0.006	0.2	75	<0.006	<0.006	0.083	<0.005	13	**0.89**	1.2	5.7E-03	380	6.7E-03	0.018
	6/15/2011	200.7/200.8	0.01	0.063	39	<0.006	<0.006	<0.02	<0.005	6.7	2.6E-03	3.8	0.042	940	**0.034**	0.044
	3/2/2011	200.7/200.8	6.2E-03	0.024	4.0	<0.006	<0.006	0.11	<0.005	<1.0	0.04	1.6	<0.05	200	0.01	<0.01
	11/2/2010	6010B	<0.1	0.62	81	<0.006	<0.006	0.32	<0.005	14	**1.4**	<1.0	<0.05	330	NL	NL
	9/15/2010	6010B	<0.02	0.47	68	<0.006	<0.006	0.56	<0.005	11	**1.2**	<1.0	<0.05	260	0.001	NL
	6/10/2010	6010B	<0.02	0.078	38	<0.006	NL	NL	<0.005	6.5	NL	4.1	<0.05	NL	NL	NL
	3/8/2010	6020A	9.76E-03	0.344	96.2	<0.001	4.28E-03	**1.55**	<0.001	15.6	**1.86**	1.2	1.02E-03	385	6.96E-03	0.0382
	11/23/2009	6010B	NL	0.55	100	<0.006	NL	NL	<0.005	19	NL	2.0	NL	480	NL	NL
	8/11/2009	6010B	NL	0.22	53	<0.01	NL	NL	<0.005	8.9	NL	0.73	NL	330	NL	NL
	5/28/2009	6010B	NL	0.29	71	<0.006	NL	NL	<0.005	11	NL	<1.0	NL	330	NL	NL
	3/25/2009	6010B	NL	0.22	67	<0.006	NL	NL	<0.005	10	NL	<1.0	NL	360	NL	NL
	11/10/2008	6010B	<0.02	0.2	65	<0.006	NL	NL	9.5E-03	11	NL	1.8	<0.5	570	NL	NL

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
1) National Primary Drinking Water Regulation (May 2009), Action Level
EPA Regional Screening Level (RSL) Summary Table

NOTES

3) Was not sampled in September due to low recharge rate.
4) Quarterly combined with 2013 Annual sampling event.

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

Volatile and Semi-Volatile Organic Compound Analytical Result Summary

			Parameters																
			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 (APR 2014)			NE	NE	NE	**0.006**	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**2.19** [1]	**0.12**	**2.95E-04** [1]	0.048	**0.22**	**9.7E-04**	**0.027**	**0.72**	**1.43E-03** [1]	**1.1** [1]	NE	4.5	2.4E-03	**0.679** [1]	**0.78**	**0.53**	NE	**0.015**
Well ID	**DATE SAMPLED**	**METHOD**																		
NAPIS 1	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 [5]	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 [4]	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	NL	<0.01	<0.01	<0.01	<0.01								
	11/23/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.006								
	8/11/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.006								
	5/28/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.006								
	3/24/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.006								
NAPIS 2	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 [5]	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 [6]
	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	
	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	
	12/5/2012 [4]	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	
	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	
	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	**0.016**	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 [2]	**0.078** [2]	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	11/23/2009	8310	NL	NL	<0.00007	NL	0.009	<0.002	<0.002	NL	**0.046**	1.7E-03								
	8/11/2009	8310	NL	NL	<0.00007	NL	7.3E-03	<0.002	<0.002	NL	<0.002	3.7E-03								
	5/28/2009	8310	NL	NL	<0.00007	NL	<0.0008	**4.2E-03**	2.3E-03	NL	**0.03**	<0.006								
	3/24/2009	8310	NL	NL	<0.00014	NL	<0.0016	<0.004	<0.004	NL	<0.004	<0.00012								
	11/10/2008	8310	<0.005	NL	<0.00007	NL	9.9E-04	<0.002	<0.002	NL	<0.002	<0.006								

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

Volatile and Semi-Volatile Organic Compound Analytical Result Summary

			Parameters																
			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 (APR 2014)			NE	NE	NE	**0.006**	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**2.19** [1]	**0.12**	**2.95E-04** [1]	0.048	**0.22**	**9.7E-04**	**0.027**	**0.72**	**1.43E-03** [1]	**1.1** [1]	NE	4.5	2.4E-03	**0.679** [1]	**0.78**	**0.53**	NE	**0.015**
Well ID	**DATE SAMPLED**	**METHOD**																		
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 [5]	8270C/8260B	<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 [4]	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
	10/2/2012 [3]	8270C	<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								
	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								
	6/15/2011	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.004	<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	<0.01	<0.01								
	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								
	11/23/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.006								
	8/31/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.006								
	6/15/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.006								
	3/25/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.006								
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 [5]	8270C/8260B	<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 [4]	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								
	12/14/2011	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	**0.035**	<0.01	<0.01	**0.019**	<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								
	6/15/2011	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0.04	<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	**0.013**	<0.01								
	9/15/2010	8270C/8260B	<0.01	<0.01	<0.01	<0.01	<0.01	NL	<0.01	<0.01	**0.011**	<0.01								
	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								
	11/23/2009	8310	NL	NL	<0.00007	NL	2.9E-03	**0.022**	<0.002	NL	**0.033**	2.5E-03								
	8/31/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.006								
	5/28/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	**0.047**	<0.006								
	3/25/2009	8310	NL	NL	<0.00007	NL	<0.0008	<0.002	<0.002	NL	<0.002	<0.0006								

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
1) NMED Tap Water (Jun 2012)

NOTES

2) 3+4 Methylphenol and Phenol detected for the first time first quarter 2010.
3) Not sampled in September due to low recharge rate.
4) 8270C analysis was missed during the 4th quarter sampling on 11/28/12.
5) Quarterly combined with 2013 Annual Sampling event.

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

			Parameters							
			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO [3] (mg/L)
WQCC 20NMAC 6.2.3103			0.01	**0.75**	0.75	**0.62**	NE	**0.2** [1]	NE	NE
40 CFR 141.62 MCL (APR 2014)			**0.005**	1.0	**0.7**	10	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [2]	NE	NE	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**								
East LDU [5]	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	11/12/2013	8021B/8015B	**2.8**	**3.7**	0.31	**6.0**	<0.25	**17**	30	NA
	9/5/2013 [6]	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
	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	

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

			Parameters							
			Benzene (mg/L)	Toluene (mg/L)	Ethyl Benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO [3] (mg/L)
WQCC 20NMAC 6.2.3103			0.01	**0.75**	0.75	**0.62**	NE	**0.2** [1]	NE	NE
40 CFR 141.62 MCL (APR 2014)			**0.005**	1.0	**0.7**	10	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [2]	NE	NE	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**								
Oil Sump LDU [4]	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	<50
	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
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.
1) NMED Table 6 (unknown oil). TPH Screening Guidelines for Potable Ground Water (GW-1). (Jun 2012)
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table
2) NMED Tap Water (JUN 2012)

NOTES

3) Per NMED "Approval with Modifications Annual Ground Water Monitoring Report 2010, Rev. 1", dated 12/12/12, Comment 7(a) added MRO to data tables.
4) No samples collected 2013 third. fourth quarter. West bay of the NAPIS is down for repairs and LDUs were vacuumed out at the same time.
5) West bay still out of service. Not enough water to collect samples third quarter.
6) West bay out of service, but standpipe had a water level and samples were collected.

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

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
East LDU [1]	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 [3]	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
Oil Sump LDU [2]	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

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

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
Oil Sump LDU [2]	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	**STANDARDS**
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
NA = Not analyzed	a) Human Health Standards; b) Other standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

NOTES

1) No samples collected 2013 third quarter. West bay of the NAPIS is down for repairs and LDUs were vacuumed out at the same time. Not enough water to collect samples.

2) No samples collected fourth quarter -dry.

3) West bay out of service, but standpipe had a water level and samples were collected.

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

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.071	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
East LDU [1]	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]	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
	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	<01	0.16	<0.01	**2.3**	<0.03	**3.2**	<0.025	**2.9**	<0.25	<0.025	<0.001	<0.25
Oil Sump LDU [1]	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

8.6.2 LEAK DETECTION UNITS (East LDU, West LDU, Oil Sump LDU)
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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.071	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
Oil Sump LDU [1]	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
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

NOTES
1) No samples collected 2013 third and fourth quarter. West bay of the NAPIS is down for repairs and LDUs were vacuumed out at the same time. Not enough water to collect samples.
2) West bay out of service, but standpipe had a water level and samples were collected.

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

Volatile Organic Compound Analytical Result Summary

			Parameters							
			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)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03 [1]**	**0.027**	**21.8 [1]**	**0.679 [1]**	NE	**0.53**
SAMPLE ID	**DATE SAMPLED**	**METHOD**								
East LDU [2]	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	NAN	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	NA	NA	NA	NA	NA	NA
	9/20/2010	8021B	**0.81**	**0.26**	NA	NA	NA	NA	NA	NA
West LDU [2]	9/5/2013 [3]	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	NL	NL	NL	NL	NL	NL
	9/20/2010	8021B	**0.34**	**0.1**	NA	NA	NA	NA	NA	NA
Oil Sump LDU [2]	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	NA	NA	NA	NA	NA	NA
	9/20/2010	8021B	**12**	**4.6**	NA	NA	NA	NA	NA	NA

DEFINITIONS

NE = Not established

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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

1) NMED Tap Water (JUN 2012)

NOTES:

2) No samples collected 2013 third quarter. West bay of the NAPIS is down for repairs and LDUs were vacuumed out at the same time. No samples collected fourth quarter-dry.

3) West bay is down for repairs; LDU had a water level and samples were collected.

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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-04	0.86	1.3E-03	0.19	**0.125** [1]
Well ID	**DATE SAMPLED**	**METHOD**					
OAPIS-1	11/11/2013	8260B	**0.089**	<0.001	0.01	2.9E-03	**0.43**
	9/3/2013 [2]	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	0.0075	**0.42**

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
1. NMED Tap Water (JUN 2012)

NOTES:

2) Quarterly combined with 2013 Annual sampling event.

8.7.1 OAPIS-1

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**	**0.2[1]**	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**										
OAPIS-1	11/11/2013	300.0/8015B	**2.0**	**1600**	4.3	**5.4**	5.4	<2.5	38	**23**	0.81	NA
	9/3/2013 [2]	300.0/8015B	1.6	**1800**	4.2	<1.0	<1.0	<2.5	38	**10**	0.73	7.5
	6/12/2013	300.0/8015B	1.6	**1800**	4.6	<1.0	<1.0	<5.0	41	**7.1**	0.94	<5.0
	3/18/2013	300.0/8015B	**1.8**	**1600**	4.6	<2.0	<2.0	<2.5	65	**6.0**	0.48	<5.0

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
1) NMED Table 6 (unknown oil). TPH Screening Guidelines for Potable Ground Water (GW-1). (Jun 2013)
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES

2) Quarterly combined with 2013 Annual sampling event.

8.7.2 OAPIS-1

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)	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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE	0.2
EPA RSL for Tap Water (NOV 2013)			4.50E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	6.30E-04	0.047	4.7	1.4E-03
Well ID	**DATE SAMPLED**	**METHOD**													
OAPIS-1	11/1/2013	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 [1]	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	<0.0002	**0.065**	0.062	

DEFINITIONS	**STANDARDS**
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
NA = Not analyzed	a) Human Health Standards; b) Other standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

NOTES

1) Quarterly combined with 2013 Annual sampling event.

8.7.3 OAPIS-1

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)	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 (APR 2014)			**0.01**	2.0	**NE**	NE	NE	NE	**0.015**	NE	NE	NE	0.05	NE	0.03	**NE**
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	NE	0.32	NE	0.078	0.071	0.047	**4.7**
Well ID	**DATE SAMPLED**	**METHOD**														
OAPIS-1	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 [1]	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
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

NOTES

1) Quarterly combined with 2013 Annual sampling event.

8.7.4 OAPIS-1

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)	2,4-Dimethyl phenol (mg/L)	1,1-Dichloroethane (mg/L)	Phenol (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	**0.025**	**0.005**
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03** [1]	**9.7E-04**	**0.027**	**12**	**0.39**	**0.78**	**0.53**	**0.27**	2.4E-03	4.5
Well ID	**DATE SAMPLED**	**METHOD**												
OAPIS-1	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	<0.01	1.1E-03	<0.01
	9/3/2013 [2]	8260B/8270C	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.005	<0.015	<0.005	0.022	<0.005	<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	0.023	<0.002	<0.01
	3/18/2013	8260B/8270C												**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.
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
1. NMED Tap Water (JUN 2012)

NOTES:

1) Quarterly combined with 2013 Annual sampling event.

8.8 OW-13, OW-14, OW-29, OW-30
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 (APR 2014)			0.005	1.0	0.7	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	0.125 [1]
Well ID	DATE SAMPLED	METHOD					
OW-13	11/11/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.017
	9/4/2013 [2]	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
	11/3/2009	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	7/28/2009	8021B	<0.001	<0.001	<0.001	<0.0015	2.3E-03
	5/14/2009	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	2/24/2009	8021B	<0.001	<0.001	<0.001	<0.002	<0.0025
	11/13/2008	8260B	<0.001	<0.001	<0.001	<0.002	1.6E-03
	8/19/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/27/2007	8260B	<0.001	<0.001	<0.001	<0.0015	1.3E-03
	10/27/2006	8260B	<0.001	<0.001	<0.001	<0.0015	<0.0025
OW-14	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**
	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**
	11/12/2009	8021B	**0.034**	0.003	6.4E-03	<0.002	**1.2**
	7/30/2009	8021B	**0.074**	3.3E-03	<0.001	<0.0015	**1.3**
	5/12/2009	8260B	**0.11**	2.9E-03	4.9E-03	<0.002	**0.97**
	2/23/2009	8260B	**0.013**	1.4E-03	5.5E-03	<0.001	**1.0**

8.8 OW-13, OW-14, OW-29, OW-30
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 (APR 2014)			0.005	1.0	0.7	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	0.125 [1]
Well ID	DATE SAMPLED	METHOD					
OW-14	11/12/2008	8260B	8.2E-03	<0.001	<0.001	<0.0015	0.91
	8/21/2008	8260B	3.5E-03	<0.001	<0.001	<0.0015	1.3
	1/1/2008	8260B	0.014	<0.001	<0.001	<0.0015	0.92
	12/28/2006	8260B	4.2E-03	<0.001	2.5E-03	<0.003	0.18
	10/27/2006	8260B	3.4E-03	<0.001	<0.001	<0.003	0.016
OW-29	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
	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
	11/3/2009	8021B	<0.001	<0.001	<0.001	<0.002	0.082
	7/29/2009	8021B	<0.001	<0.001	<0.001	<0.0015	0.049
	5/14/2009	8260B	<0.001	<0.001	<0.001	<0.002	0.041
	2/25/2009	8260B	<0.001	<0.001	<0.001	<0.002	0.021
	11/14/2008	8260B	<0.001	<0.001	<0.001	<0.0015	0.015
	8/19/2008	8206B	<0.001	<0.001	<0.001	<0.0015	9.2E-03
	12/28/2007	8260B	<0.001	<0.001	<0.001	<0.0015	4.3E-03
	10/24/2006	8260B	<0.001	<0.001	<0.001	<0.003	<0.0025
OW-30	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
	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

8.8 OW-13, OW-14, OW-29, OW-30
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 (APR 2014)			**0.005**	**1.0**	**0.7**	**10**	**NE**
EPA RSL for Tap Water (NOV 2013)			**3.9E-03**	**0.86**	**0.013**	**0.19**	**0.125** [1]
Well ID	**DATE SAMPLED**	**METHOD**					
OW-30	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**
	11/2/2009	8021B	<0.001	<0.001	<0.001	<0.002	**1.1**
	7/30/2009	8021B	<0.001	<0.001	<0.001	<0.0015	**1.1**
	5/13/2009	8260B	<0.001	<0.001	<0.001	<0.002	**1.1**
	2/23/2009	8260B	<0.001	<0.001	<0.001	<0.002	**1.0**
	11/12/2008	8260B	<0.001	<0.001	<0.001	<0.0015	**0.88**
	8/20/2008	8260B	<0.001	<0.001	<0.001	<0.0015	**1.1**
	12/28/2007	8260B	<0.001	<0.001	<0.001	<0.0015	**0.29**
	10/27/2006	8260B	<0.001	<0.001	<0.001	<0.003	<0.0025

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
1. NMED Tap Water (JUN 2012)

NOTES
2) Quarterly combined with 2013 Annual Sampling event.

8.8.1 OW-13, OW-14, OW-29, OW-30
DRO/GRO/CATIONS/ANIONS Analytical Result Summary

			Parameters								
			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			**0.2[1]**	NE	NE	**1.6**	**250**	NE	NE	**600**	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	4.0	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			NE	NE	NE	0.62	NE	NE	**3.10E-04**	NE	**0.125**
Well ID	**DATE SAMPLED**	**METHOD**									
OW-13	9/4/2013 [2]	8015D/300.0	<1.0	<0.05	<5.0	0.28	28	0.39	<0.5	160	**2.6**
OW-14	9/4/2013 [2]	8015D/300.0	**7.8**	7.6	<5.0	0.21	**350**	2.5	<0.5	3.2	**5.9**
OW-29	9/4/2013 [2]	8015D/300.0	<1.0	0.88	<5.0	0.43	160	0.94	<0.5	84	**3.9**
OW-30	9/4/2013 [2]	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
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
1) NMED Table 6 (unknown oil). TPH Screening Guidelines for Potable Ground Water (GW-1).
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES
2) Quarterly combined with 2013 Annual sampling event which required addition of these analyses.

8.8.2 OW-13, OW-14, OW-29, OW-30
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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.071	6.26E-04	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**													
OW-13	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 [3]	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 [2]	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	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 [2]	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 [2]	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	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
	9/4/2013 [3]	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 [2]	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	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 [3]	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 [2]	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
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
1. National Primary Drinking Water Regulation (May 2009); Action Level
EPA Regional Screening Level (RSL) Summary Table

NOTES
2) 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.
3) Quarterly combined with 2013 Annual sampling event which required addition of these analyses.

8.8.3 OW-13, OW-14, OW-29, OW-30

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.071	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**												
OW-13	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 [2]	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	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 [2]	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	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 [2]	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	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 [2]	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
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

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.

2) Quarterly combined with 2013 Annual sampling event which required addition of these analyses.

8.8.4 OW-13, OW-14, OW-29, OW-30

Volatile Organic Compound Analytical Result Summary

			Parameters									
			1,2,4-Trimethylbenzene (mg/L)	1,2-Dichloroethane (EDC) (mg/L)	Naphthalene (mg/L)	1-Methylnaphthalene (mg/L)	1,1-Dichloroethane (mg/L)	Isopropylbenzene (mg/L)	n-Butylbenzene (mg/L)	n-Propylbenzene (mg/L)	Sec-butylbenzene (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 (APR 2014)			NE	**0.005**	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	1.5E-04	**1.43E-03 [1]**	**9.7E-04**	2.4E-03	**0.679 [1]**	**0.78**	**0.53**	NE	**21**
Well ID	**DATE SAMPLED**	**METHOD**										
OW-14	11/11/2013	8260B	<0.005	<0.005	<0.01	**0.027**	<0.005	6.6E-03	<0.015	<0.005	<0.005	
	9/4/2013 [2]	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	
	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	
	11/12/2009	8021B[1]	2.7E-03	NL	NL	NL	NL	NL	NL	NL	NL	
	7/30/2009	8260B	<0.001	1.7E-03	<0.002	**0.021**	<0.001	3.3E-03	1.1E-03	<0.001	2.6E-03	
	5/12/2009	8021B[1]	1.6E-03	NL	NL	NL	NL	NL	NL	NL	NL	
	2/23/2009	8021B[1]	1.6E-03	NL	NL	NL	NL	NL	NL	NL	NL	
	11/12/2008	8260B	<0.001	1.8E-03	<0.002	**0.016**	<0.001	1.5E-03	<0.001	<0.001	2.5E-03	
	8/21/2008	8260B	<0.001	<0.001	<0.002	**0.012**	<0.001	1.6E-03	<0.001	<0.001	0.002	
	1/1/2008	8260B	<0.001	<0.001	<0.002	**0.027**	<0.001	<0.001	0.052	<0.001	5.7E-03	
	12/28/2006	8260B	<0.001	1.8E-03	<0.002	<0.004	0.016	<0.001	0.015	<0.001	2.5E-03	
	10/27/2006	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
OW-29	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 [2]	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	
	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	

8.8.4 OW-13, OW-14, OW-29, OW-30

Volatile Organic Compound Analytical Result Summary

			Parameters									
			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)	Isopropylbenzene (mg/L)	n-Butylbenzene (mg/L)	n-Propylbenzene (mg/L)	Sec-butylbenzene (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 (APR 2014)			NE	**0.005**	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	1.5E-04	**1.43E-03 [1]**	**9.7E-04**	2.4E-03	**0.679 [1]**	**0.78**	**0.53**	NE	**21**
Well ID	**DATE SAMPLED**	**METHOD**										
OW-29	11/2/2009	8021B	<0.001	NL	NL	NL	NL	NL	NL	NL	NL	
	7/29/2009	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	5/13/2009	8021B	<0.001	NL	NL	NL	NL	NL	NL	NL	NL	
	2/24/2009	8021B	<0.001	NL	NL	NL	NL	NL	NL	NL	NL	
	11/14/2008	8260B	<0.001	1.0E-03	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	8/19/2008	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	12/28/2007	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	10/24/2006	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
OW-30	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 [3]
	9/4/2013 [2]	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	
	11/2/2009	8021B	`<0.001	NL	NL	NL	NL	NL	NL	NL	NL	
	7/30/2009	8260B	<0.001	1.3E-03	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	5/13/2009	8021B	<0.001	NL	NL	NL	NL	NL	NL	NL	NL	
	2/23/2009	8021B	<0.001	NL	NL	NL	NL	NL	NL	NL	NL	
	11/12/2008	8260B	<0.001	1.3E-03	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	8/19/2008	8260B	<0.001	<0.001	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	12/28/2007	8260B	<0.001	1.2E-03	<0.002	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	
	10/27/2006	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

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

1. NMED Tap Water (JUN 2012)

NOTES

2) Quarterly combined with 2013 Annual sampling event which required addition of these analyses.

3) Detected for the first time.

8.9 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 (APR 2013)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2012)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
Well ID	**DATE SAMPLED**	**METHOD**					
OW-50	9/4/2013 [2]	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
	11/17/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
OW-52	9/4/2013 [2]	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
	11/17/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001

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

1. NMED Tap Water (JUN 2012)

NOTES

2) 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.

8.9.1 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)	pH	Specific Conductance (µS/cm)	DRO (mg/L)	GRO (mg/L)	MRO [2] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 to 9**	NE	**0.2 [1]**	NE	NE
40 CFR 141.62 MCL (APR 2013)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2012)			0.93	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**												
OW-50	9/4/2013 [3]	300.0/8015B	0.5	26	0.18	2	2	<0.5	140	8.36	1100	<1.0	<0.05	<5.0
	11/27/2012	300.0/8015B	0.54	28	<0.5	<1.0	<1.0	<2.5	160	8.28	1100	<1.0	<0.05	<5.0
	8/23/2012	300.0/8015B	0.42	26	0.22	<1.0	<1.0	<0.5	140	8.13	1100	<1.0	<0.05	<5.0
	6/13/2012	300.0/8015B	0.54	27	0.27	<1.0	<1.0	<0.5	140	8.28	1000	<1.0	<0.05	<5.0
	3/22/2012	300.0/8015B	0.59	27	0.22	<0.1	0.15	<0.5	150	8.35	1000	<1.0	<0.05	<5.0
	12/15/2011	300.0/8015B	0.49	25	0.19	<1.0	<1.0	<0.5	140	8.29	1100	<1.0	<0.05	<5.0
	10/25/2011	300.0/8015B	0.49	26	0.15	NL	NL	<0.5	140	8.46	1100	<1.0	<0.05	<5.0
	6/20/2011	300.0/8015B	0.53	28	0.22	<0.1	<0.1	<0.5	150	8.67	1100	<1.0	<0.05	<5.0
	3/1/2011	300.0/8015B	0.49	26	0.2	<0.1	<0.1	<0.5	140	8.3	1000	<1.0	<0.05	<5.0
	11/9/2010	300.0/8015B	0.51	29	NL	<0.1	<0.1	<0.5	160	8.26	1100	<1.0	<0.05	
	9/27/2010	300.0/8015B	0.41	26	NL	<0.1	<0.1	<0.5	140	NA	NA	<1.0	<0.05	
	6/1/2010	300.0/8015B	0.53	27	0.22	<0.1	<0.1	<0.5	140	8.35	1000	<1.0	<0.05	
	3/16/2010	300.0/8015B	0.53	29	0.22	<0.1	<0.1	<0.5	150	8.34	1000	<1.0	<0.05	
	11/17/2009	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	
OW-52	9/4/2013 [3]	300.0/8015B	0.5	27	0.17	4.6	4.6	<0.5	140	8.39	1000	<1.0	<0.05	<5.0
	11/27/2012	300.0/8015B	0.64	28	<0.5	<1.0	<1.0	<2.5	140	8.34	970	<1.0	<0.05	<5.0
	8/23/2012	300.0/8015B	0.49	25	0.16	<1.0	<1.0	<0.5	120	8.33	1000	<1.0	<0.05	<5.0
	6/13/2012	300.0/8015B	0.58	27	0.19	<1.0	<1.0	<0.5	140	8.36	960	<1.0	<0.05	<5.0
	3/22/2012	300.0/8015B	0.56	26	0.17	<0.1	<0.1	<0.5	130	8.35	990	<1.0	<0.05	<5.0
	12/13/2011	300.0/8015B	<0.5	27	0.17	<1.0	<1.0	<0.5	130	8.47	1000	<1.0	<0.05	<5.0
	10/25/2011	300.0/8015B	0.4	20	<0.1	1.3	1.3	<0.5	100	8.43	940	<1.0	<0.05	<5.0
	6/20/2011	300.0/8015B	0.56	24	0.19	<0.1	<0.1	<0.5	140	8.66	1100	<1.0	<0.05	<5.0
	3/1/2011	300.0/8015B	0.57	25	0.17	<0.1	<0.1	<0.5	130	8.42	990	<1.0	<0.05	<5.0
	11/9/2010	300.0/8015B	0.54	32	0.17	<0.1	<0.1	<0.5	140	8.27	1000	<1.0	<0.05	
	9/27/2010	300.0/8015B	0.52	27	NL	<0.1	<0.1	<0.5	140	NA	NA	<1.0	<0.05	
	6/1/2010	300.0/8015B	0.52	28	NL	<0.1	<0.1	<0.5	140	8.25	990	<1.0	<0.05	
	3/16/2010	300.0/8015B	0.56	31	0.18	<0.1	<0.1	<0.5	150	8.23	990	<1.0	<0.05	
	11/17/2009	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	

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
1) NMED Table 6 (unknown oil). TPH Screening Guidelines for Potable Ground Water (GW-1). (June 2012)
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES

2) Per NMED "Approval with Modifications Annual Ground Water Monitoring Report 2010, Rev. 1", dated 12/12/12, Comment 7(a) added MRO to data tables.
3) Sampling frequency changed to annual per concurrence by NMED in Comment 6 of NMED Disapproval Facility Wide Ground Water Monitoring Work Plan 2011 Update, 9/24/12.

8.9.2 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 (APR 2013)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2012)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.071	6.26E-04	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**													
OW-50	9/4/2013	200.7/200.8	1.8E-03	0.058	<0.002	<0.006	<0.006	0.18	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 [1]	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
	11/17/2009	6010B	<0.02	0.042	<0.002	<0.006	NL	NL	<0.005	NL	<0.05	<0.005	<0.0002	NL	NL
OW-52	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 [1]	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
	11/17/2009	6010B	<0.02	0.027	<0.002	<0.006	NL	NL	<0.005	NL	<0.05	<0.005	<0.0002	NL	NL

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
1. National Primary Drinking Water Regulation (May 2009); Action Level
EPA Regional Screening Level (RSL) Summary Table

NOTES

1) *10/25/2011 - Quarterly sampling was combined with the Annual Sampling event*
Hall Laboratory analysis indicates that there was a constituent detected in the field blank submitted of 0.002mg/L of Toluene ON 10-25-11.

8.9.3 OW-50, OW-52

Dissolved Metals Analytical Result Summary

			Parameters													
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	0.01	NE	**0.05**	**1.0**	**1.0**	0.05	**0.2**	NE	**0.05**	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2013)			**0.01**	2.0	**NE**	NE	NE	1.3	NE	**0.015**	NE	NE	0.05	NE	NE	0.03	NE
EPA RSL for Tap Water (NOV 2012)			4.5E-05	2.9	NE	NE	1.6	0.62	11	NE	NE	NE	0.078	0.071	NE	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**															
OW-50	9/4/2013	200.7/200.8	<0.005	0.042	<0.002	22	<0.006	<0.006	<0.02	<0.005	0.1	1.4	<0.005	<0.005	220	<0.01	<0.01
	11/27/2012	200.7/200.8	1.9E-03	0.052	<0.002	21	<0.006	<0.006	0.41	<0.005	0.093	<1.0	<0.001	<0.005	220	9.3E-03	0.012
	8/23/2012	200.7/200.8	1.9E-03	0.04	<0.002	22	<0.006	<0.006	<0.02	<0.005	0.051	<1.0	<0.001	<0.005	230	7.7E-03	0.014
	6/13/2012	200.7/200.8	1.9E-03	0.041	<0.002	21	<0.006	<0.006	<0.02	<0.005	0.081	<1.0	<0.001	<0.005	240	8.5E-03	0.012
	3/22/2012	200.7/200.8	1.9E-03	0.041	<0.002	22	<0.006	<0.006	<0.02	<0.005	0.082	<1.0	<0.001	<0.005	250	7.6E-03	0.039
	12/15/2011	200.7/200.8	1.8E-03	0.04	<0.002	22	<0.006	<0.006	<0.1	<0.005	0.079	<5.0	<0.001	<0.005	220	8.1E-03	<0.01
	10/25/2011	200.7/200.8	1.9E-03	0.041	<0.002	22	<0.006	<0.006	<0.02	<0.005	0.082	<1.0	<0.001	<0.005	240	7.4E-03	<0.01
	6/20/2011	200.7/200.8	2.2E-03	NL	<0.002	24	<0.006	NL	<0.02	<0.005	0.088	<1.0	1.3E-03	<0.005	250	7.5E-03	0.021
	3/1/2011	200.7/200.8	2.6E-03	0.039	<0.002	21	<0.006	<0.006	<0.02	<0.005	0.082	<1.0	<0.05	<0.005	230	6.9E-03	0.081
	11/9/2010	200.7/200.8	NL	0.037	<0.002	NL	<0.006	<0.006	<0.02	<0.005	0.078	<1.0	1.4E-03	<0.005	NL	NL	<0.01
	9/27/2010	6010B	<0.02	0.04	<0.002	21	<0.006	<0.006	<0.02	<0.005	0.081	<1.0	<0.05	<0.005	220	0.006	0.064
	6/1/2010	6010B	<0.02	0.04	<0.002	20	<0.006	<0.006	<0.02	<0.005	0.083	<1.0	<0.05	<0.005	220	NL	<0.05
	3/16/2010	6010B	<0.02	0.036	<0.002	19	<0.006	<0.006	<0.02	<0.005	0.076	<1.0	<0.05	<0.005	210	6.41E-03	<0.05
OW-52	9/4/2013	200.7/200.8	<0.005	0.026	<0.002	4.4	<0.006	<0.006	0.063	<0.005	0.038	2.2	<0.005	<0.005	230	0.011	0.016
	11/27/2012	200.7/200.8	<0.001	0.027	<0.002	4.2	<0.006	<0.006	0.066	<0.005	0.025	1.2	<0.001	<0.005	220	0.011	0.011
	8/23/2012	200.7/200.8	<0.001	0.022	<0.002	4.4	<0.006	<0.006	<0.02	<0.005	5.4E-03	1.5	<0.001	<0.005	250	7.2E-03	0.039
	6/13/2012	200.7/200.8	<0.001	0.026	<0.002	4.2	<0.006	<0.006	0.076	<0.005	0.023	1.4	<0.001	<0.005	230	0.011	0.023
	3/22/2012	200.7/200.8	<0.001	0.025	<0.002	4.2	<0.006	<0.006	0.071	<0.005	0.03	1.2	<0.001	<0.005	250	0.01	0.084
	12/13/2011	200.7/200.8	<0.001	0.025	<0.002	4.1	<0.006	<0.006	0.08	<0.005	0.025	1.1	<0.001	<0.005	210	0.01	<0.01
	10/25/2011	200.7/200.8	<0.001	0.025	<0.002	4.2	<0.006	<0.006	0.12	<0.005	0.031	1.1	<0.001	<0.005	240	0.011	<0.01
	6/20/2011	200.7/200.8	<0.001	NL	<0.002	5.2	<0.006	NL	0.12	<0.005	0.037	1.2	1.5E-03	<0.005	240	0.013	0.024
	3/1/2011	200.7/200.8	<0.001	0.36	<0.02	93	<0.006	<0.006	0.064	<0.005	**0.68**	2.3	<0.05	<0.005	490	7.1E-03	<0.01
	11/9/2010	200.7/200.8	NL	0.025	<0.02	4.2	<0.006	<0.006	0.048	<0.005	0.027	1.2	NL	<0.005	240	NL	<0.01
	9/27/2010	6010B	<0.02	0.026	<0.002	4.3	<0.006	<0.006	0.058	<0.005	0.031	1.2	<0.05	<0.005	230	0.009	0.079
	6/1/2010	6010B	<0.02	0.026	<0.002	4.0	<0.006	<0.006	0.058	<0.005	0.032	1.2	<0.05	<0.005	230	9.26E-03	<0.05
	3/16/2010	6010B	<0.02	0.023	<0.002	3.9	<0.006	<0.006	0.034	<0.005	0.028	1.1	<0.05	<0.005	230	9.2E-03	<0.05

DEFINITIONS	**STANDARDS**
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
NA = Not analyzed	a) Human Health Standards; b) Other standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

NOTES:

8.9.4 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 (APR 2013)			NE	**0.006**
EPA RSL for Tap Water (NOV 2012)			**58**	0.048
Well ID	**DATE SAMPLED**	**METHOD**		
OW-50	9/4/2013	8270C	<0.04	<0.01
	12/5/2012 [2]	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
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

NOTES

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

8.10 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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
SAMPLE ID	**DATE SAMPLED**	**METHOD**					
RW-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 [2]	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 [2]	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 [2]	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

NOTES
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
1. NMED Tap Water (JUN 2012)

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

8.10.1 RW-1, RW-2, RW-3, RW-5

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)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	NE	NE	**3.1E-04**	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**							
RW-1 [1]	9/16/2013	300.0	<0.5	**370**	2.8	<0.5	<0.5	<2.5	<2.5
	8/23/2012	300.0	<0.5	**380**	3.8	<1.0	<1.0	<2.5	<2.5
	10/3/2011	300.0	<0.5	**410**	3.3	**220**	**220**	<2.5	<2.5
RW-2 [1]	9/16/2013	300.0	0.27	84	0.16	<0.1	<0.1	<0.5	1.7
	8/24/2012	300.0	<0.5	90	1.7	<1.0	<1.0	<2.5	<2.5
	10/3/2011	300.0	<0.5	130	2.5	**67**	**67**	<2.5	<2.5
RW-5 [1]	9/16/2013	300.0	0.89	5.6	<0.1	<0.1	<0.1	<0.5	<0.5
	8/23/2012	300.0	0.8	11	<0.5	<1.0	<1.0	<2.5	<2.5
	10/4/2011	300.0	0.54	26	0.86	**14**	**14**	<2.5	<2.5
RW-6 [1]	9/16/2013	300.0	<0.5	45	0.56	<0.5	<0.5	<2.5	<2.5
	8/23/2012	300.0	<0.5	45	0.95	<1.0	<1.0	<2.5	<2.5
	10/4/2011	300.0	<0.5	80	0.91	<1.0	<1.0	<2.5	<2.5

NOTES
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

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

8.10.2 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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.071	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
RW-1 [1]	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]	9/16/2013	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]	9/16/2013	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]	9/16/2013	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
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

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

8.10.2 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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.071	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
RW-1 [1]	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]	9/16/2013	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]	9/16/2013	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]	9/16/2013	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
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

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

8.10.3 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)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (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	NE	**0.2**	NE	**0.05**	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	NE	NE	0.05	NE	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	NE	0.32	NE	0.078	0.071	NE	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**															
RW-1 [1]	9/16/2013	200.7/200.8	8.2E-03	**5.3**	<0.002	<0.006	<0.006	**11**	<0.001	39	**3.5**	1.3	0.012	<0.05	240	<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	39	**3.6**	1.3	6.2E-03	<0.005	250	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	40	**3.3**	1.1	0.013	<0.005	260	2.8E-03	0.067
RW-2 [1]	9/16/2013	200.7/200.8	5.7E-03	**3.9**	<0.002	<0.006	<0.006	**11**	<0.001	22	**2.2**	<1.0	7.6E-03	<0.1	190	<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	25	**2.1**	<1.0	4.6E-03	<0.005	200	<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	22	**2.0**	<1.0	0.01	<0.005	210	<0.001	<0.01
RW-5 [1]	9/16/2013	200.7/200.8	0.002	**2.5**	<0.002	<0.006	<0.006	**3.3**	<0.001	7.5	**0.61**	<1.0	<0.001	<0.005	160	<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	9.9	**0.7**	<1.0	0.001	<0.005	190	<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	14	**0.89**	<1.0	3.5E-03	<0.005	210	<0.001	<0.01
RW-6 [1]	9/16/2013	200.7/200.8	9.6E-03	**3.6**	<0.002	<0.006	<0.006	**7.1**	3.4E-03	14	**0.87**	1.1	2.5E-03	<0.005	270	<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	15	**0.92**	<1.0	1.6E-03	<0.005	290	<0.001	0.021
	10/4/2011	200.7/200.8	**0.016**	**4.1**	<0.002	<0.006	<0.006	**10**	0.007	17	**1.1**	<1.0	4.4E-03	<0.005	270	<0.001	<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.
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

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

8.10.4 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-butylbenzene (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 (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	**0.1**
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03** [1]	**9.7E-03**	**0.027**	**0.188** [1]	**0.679** [1]	NE	**0.53**	NE	1.1
SAMPLE ID	**DATE SAMPLED**	**METHOD**											
RW-1 [2]	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]	9/16/2013	8260B	**0.13**	<0.1	<0.2	<0.4	<0.4	<0.3	<0.1	<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]	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]	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
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
1. NMED Tap Water (JUN 2012)

NOTES:

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

8.10.5 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-Dimethylphenol (mg/L)	2-Methyl naphthalene (mg/L)	1-Methylnaphthalene (mg/L)	2-Methylphenol (mg/L)	3+4-Methylphenol (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	**0.005**	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.12**	**58**	**1.5**	**0.73** [1]	**0.027**	**9.7E-03**	**0.72**	NE	**1.43E-03** [1]	**1.1**	4.5	**0.015**
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
RW-1 [2]	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]	9/16/2013	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]	9/16/2013	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]	9/16/2013	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
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
1. NMED Tap Water (JUN 2012)

NOTES

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

8.11 PW-2, PW-3, PW-4

BTEX Analytical Result Summary

			Parameters						
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)
WQCC 20NMAC 6.2.3103			0.01	**0.75**	0.75	**0.62**	NE	NE	**10**
40 CFR 141.62 MCL (APR 2014)			**0.005**	1.0	**0.7**	10	NE	**1.0**	10
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]	1.6	25
Well ID	**DATE SAMPLED**	**METHOD**							
PW-2	12/15/2011 [2]	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
	12/9/2004	8260B	<0.001	<0.001	<0.001	<0.0015	NA	<1.0	<1.0
PW-3	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
	10/27/2006	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
	8/4/2004	8260B	<0.001	<0.001	<0.001	<0.0015	NA	<0.01	<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
1. NMED Tap Water (JUN 2012)

NOTES

2) 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.

8.11.1 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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.2	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	6.30E-04	1.4E-03	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**													
PW-2	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	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
	10/27/2006	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	<0.05	<0.005	<0.0002	<0.05	<0.0002	<0.01	<0.1	<0.05
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	0.025
	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	**STANDARDS**
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
NA = Not analyzed	a) Human Health Standards; b) Other Standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

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.*

8.11.2 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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**											
PW-2	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	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
	10/27/2006	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	**STANDARDS**
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
NA = Not analyzed	a) Human Health Standards; b) Other Standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

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.

8.11.3 PW-2, PW-3, PW-4

Volatile and Semi Volatile Organic Compound Analytical Result Summary

			Parameters									
			2,4-Dimethylphenol (mg/L)	2-Methylnaphthalene (mg/L)	2-Methylphenol (mg/L)	3+4-Methylphenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Tetrachloroethene (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 (APR 2014)			NE	NE	NE	NE	NE	NE	**0.005**	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.73** [1]	**0.027**	**0.72**	NE	**1.1** [1]	4.5	9.7E-03	**0.015**	**0.087**	**0.53**
Well ID	**DATE SAMPLED**	**METHOD**										
PW-2	12/15/2011 [4]	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 [3]			
PW-3	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				
	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 [2]	8270C	0.016	**0.032**	0.21	0.36	0.017	0.8				
PW-4	9/9/2013	8260B								6.8E-03 [5]	2.3E-03 [5]	1.3E-03 [5]

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
1) NMED Tap Water (Jun 2012)

NOTES

2) Due to inclement weather conditions in December 2007, the 2007 annual sampling was completed in January 2008.

3) PW-2: Detected for the first time. In the field blank submitted, toluene was detected at 0.0017 mg/L.

4) PW-2 was re-sampled due to the detection of PCE in the 10/26/2011 sample.

5) PW-4: Detected for the first time.

8.12 OW-1, OW-10

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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
Well ID	**DATE SAMPLED**	**METHOD**					
OW-1	11/11/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/4/2013 [2]	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	11/11/2013	8260B	<0.001	<0.001	<0.001	<0.0015	0.062
	9/4/2013 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	0.065
	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
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
1. NMED Tap Water (JUN 2012)

NOTES

2) Quarterly combined with 2013 Annual sampling event.

8.12.1 OW-1, OW-10

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 [2] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 to 9**	**0.2 [1]**	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	NE	NE	**3.1E-04**	NE	NE	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**											
OW-1	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 [3]	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	
	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	
OW-10	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 [3]	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
	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
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
1) NMED Table 6 (unknown oil). TPH Screening Guidelines for Potable Ground Water (GW-1). (Jun 2012)
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES

2) Per NMED "Approval with Modifications Annual Ground Water Monitoring Report 2010, Rev. 1", dated 12/12/12, Comment 7(a) added MRO to data tables.
3) Quarterly combined with 2013 Annual sampling event.

8.12.2 OW-1, OW-10

Total Metals Analytical Result Summary

			Parameters											
			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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	NE	**0.015**	NE	0.05	NE	0.03	0.002	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	11	NE	0.32	0.078	0.071	0.047	6.3E-04	4.7
Well ID	**DATE SAMPLED**	**METHOD**												
OW-1	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 [1]	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	<0006	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
	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
OW-10	11/11/2013	200.7/200.8	1.8E-03	0.058	<0.002	<0.006	<0.02	<0.001	0.07	0.011	<0.005	**0.057**	<0.0002	<0.01
	9/4/2013 [1]	200.7/200.8	<0.005	0.084	<0.002	<0.006	<0.02	<0.001	0.12	0.011	<0.025	**0.061**	<0.0002	<0.01
	6/13/2013	200.7/200.8	<0.005	0.12	<0.002	<0.006	<0.02	NL	0.14	0.017	0.015	**0.076**	<0.0002	<0.01
	3/19/2013	200.7/200.8	<0.0025	0.11	<0.002	<0.006	<0.02	<0.005	0.16	9.8E-03	<0.005	**0.077**	<0.0002	<0.01
	11/27/2012	200.7/200.8	<0.0025	0.11	<0.002	<0.006	<0.006	<0.005	0.13	0.013	<0.005	**0.087**	<0.0002	<0.01
	8/22/2012	200.7/200.8	<0.0025	0.037	<0.002	<0.006	<0.006	<0.005	3.4E-03	8.4E-03	<0.005	**0.049**	<0.0002	<0.01
	6/13/2012	200.7/200.8	<0.0025	0.079	<0.002	<0.006	<0.006	<0.005	0.054	0.013	<0.005	**0.062**	<0.0002	<0.01
	3/22/2012	200.7/200.8	<0.0025	0.033	<0.002	<0.006	<0.006	<0.005	<0.002	7.6E-03	<0.005	**0.051**	<0.0002	<0.01
	12/15/2011	200.7/200.8	<0.0025	0.037	<0.002	<0.006	<0.02	<0.005	0.022	8.9E-03	<0.005	**0.058**	<0.0002	<0.01
	10/26/2011	200.7/200.8	<0.0025	0.045	<0.002	<0.006	<0.02	<0.005	0.043	7.1E-03	<0.005	**0.051**	<0.0002	<0.01
	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
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

NOTES

1) Quarterly combined with 2013 Annual sampling event.

8.12.3 OW-1, OW-10

Dissolved Metals Analytical Result Summary

			Parameters													
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	0.01	NE	**0.05**	**1.0**	**1.0**	0.05	**0.2**	NE	**0.05**	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	NE	0.1	1.3	NE	**0.015**	NE	NE	0.05	NE	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	NE	0.62	11	NE	0.32	NE	0.078	0.071	NE	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**															
OW-1	11/11/2013	200.7/200.8	1.2E-03	0.038	<0.002	1.9	<0.006	<0.006	<0.02	<0.001	7.5E-03	1.0	4.6E-03	<0.005	270	**0.041**	0.029
	9/4/2013 [1]	200.7/200.8	<0.005	0.033	<0.002	2.1	<0.006	<0.006	0.037	<0.005	6.2E-03	1.7	<0.005	<0.005	310	**0.045**	<0.01
	6/13/2013	200.7/200.8	1.4E-03	0.035	<0.002	2.4	<0.006	<0.006	0.35	<0.001	0.013	<1.0	4.9E-03	<0.005	290	**0.043**	0.25
	3/19/2013	200.7/200.8	1.3E-03	0.03	<0.002	2.0	<0.006	<0.006	<0.02	<0.005	<0.002	<1.0	3.6E-03	<0.005	290	**0.044**	0.037
	11/27/2012	200.7/200.8	1.2E-03	0.033	<0.01	<5.0	<0.03	<0.03	<0.1	<0.025	<0.01	<5.0	0.004	<0.025	280	**0.043**	<0.05
	8/22/2012	200.7/200.8	<0.001	0.029	<0.002	2.4	<0.006	<0.006	<0.02	<0.005	8.6E-03	<1.0	3.6E-03	<0.005	330	**0.041**	0.011
	6/13/2012	200.7/200.8	<0.001	0.036	<0.002	2.1	<0.006	<0.006	<0.02	<0.005	6.7E-03	1.1	3.7E-03	<0.005	320	**0.043**	0.015
	3/22/2012	200.7/200.8	<0.001	0.034	<0.002	2.2	<0.006	<0.006	<0.02	<0.005	0.005	<1.0	3.7E-03	<0.005	330	**0.039**	0.027
	12/15/2011	200.7/200.8	<0.001	0.018	<0.002	<5.0	<0.006	<0.006	0.19	<0.005	0.013	<5.0	3.1E-03	<0.005	310	**0.043**	0.018
	10/27/2011	200.7/200.8	<0.001	0.035	<0.002	2.3	<0.006	<0.006	<0.02	<0.005	5.9E-03	<1.0	3.6E-03	<0.005	330	**0.04**	<0.01
	6/20/2011	200.7/200.8	1.4E-03	0.034	<0.002	2.0	<0.006	<0.006	<0.02	<0.005	4.5E-03	<1.0	6.2E-03	<0.005	340	**0.043**	0.048
	3/1/2011	200.7/200.8	<0.001	0.037	<0.002	2.1	<0.006	<0.006	<0.02	<0.005	4.1E-03	1.7	<0.05	<0.005	310	**0.032**	<0.01
	11/10/2010	6010B	<0.02	0.037	<0.002	2.2	<0.006	<0.006	<0.02	<0.005	4.6E-03	<1.0	<0.05	<0.005	300	**0.04**	<0.05
	9/21/2010	6010B	<0.02	0.029	<0.002	2.0	<0.006	<0.006	<0.02	<0.005	4.1E-03	<1.0	<0.05	<0.005	310	**0.038**	<0.05
	3/15/2010	6010B	<0.02	0.028	<0.002	2.0	<0.006	<0.006	<0.02	<0.005	<0.002	<1.0	<0.05	<0.005	280	**3.8E-02**	<0.05
OW-10	11/11/2013	200.7/200.8	2.1E-03	0.063	<0.002	110	<0.006	<0.006	<0.02	<0.001	0.066	2.8	0.013	<0.005	710	**0.054**	<0.01
	9/4/2013 [1]	200.7/200.8	<0.005	0.082	<0.002	170	<0.006	<0.006	<0.02	<0.005	0.12	3.5	0.011	<0.025	810	**0.066**	<0.01
	6/13/2013	200.7/200.8	2.5E-03	0.12	<0.002	250	<0.006	<0.006	<0.02	<0.001	0.14	2.6	0.019	0.012	1000	**0.076**	0.018
	3/19/2013	200.7/200.8	<0.005	0.1	<0.002	220	<0.006	<0.006	<0.02	<0.005	0.15	2.3	0.015	<0.005	900	**0.073**	<0.01
	11/27/2012	200.7/200.8	1.7E-03	0.11	<0.01	310	<0.03	<0.03	<0.1	<0.025	0.13	<5.0	0.015	<0.025	1200	**0.078**	0.05
	8/22/2012	200.7/200.8	0.001	0.034	<0.002	29	<0.006	<0.006	<0.02	<0.005	<0.002	1.0	7.6E-03	<0.005	410	**0.05**	<0.01
	6/13/2012	200.7/200.8	<0.002	0.08	<0.002	160	<0.006	<0.006	<0.02	<0.005	0.053	1.9	0.014	<0.005	740	**0.067**	0.026
	3/22/2012	200.7/200.8	<0.001	0.033	<0.002	32	<0.006	<0.006	<0.02	<0.005	2.3E-03	<1.0	7.6E-03	<0.005	400	**0.048**	0.024
	12/15/2011	200.7/200.8	<0.001	0.038	<0.002	49	<0.006	<0.006	<0.02	<0.005	0.023	1.1	8.9E-03	<0.005	430	**0.056**	<0.01
	10/26/2011	200.7/200.8	0.001	0.043	<0.002	64	<0.006	<0.006	<0.02	<0.005	0.04	<1.0	7.9E-03	<0.005	500	**0.05**	<0.01
	6/20/2011	200.7/200.8	0.002	0.034	<0.002	34	<0.006	<0.006	<0.02	<0.005	5.5E-03	<1.0	0.015	<0.005	400	**0.052**	0.16
	2/28/2011	200.7/200.8	<0.001	0.044	<0.002	62	<0.006	<0.006	<0.02	<0.005	0.029	3.0	<0.05	<0.005	490	**0.055**	<0.01
	11/10/2010	6010B	<0.02	0.047	<0.002	62	<0.006	<0.006	<0.02	<0.005	0.03	1.4	<0.05	<0.005	460	**0.052**	<0.05
	9/21/2010	6010B	<0.02	0.064	<0.002	100	<0.006	<0.006	<0.02	<0.005	0.055	1.8	<0.05	<0.005	580	**0.051**	0.088
	3/15/2010	6010B	<0.02	0.044	<0.002	48	<0.006	<0.006	<0.02	<0.005	0.012	<1.0	<0.05	<0.005	420	**4.97E-02**	<0.05

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

NOTES

1) Quarterly combined with 2013 Annual sampling event.

8.12.4 OW-1, OW-10

Volatile Organic Compound Analytical Result Summary

			Parameter		
			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 (APR 2014)			NE	**0.005**	0.007
EPA RSL for Tap Water (NOV 2013)			2.4E-03	1.5E-04	0.26
Well ID	**DATE SAMPLED**	**METHOD**			
OW-10	11/11/2013	8260B	<0.001	<0.001	<0.001
	9/4/2013 [1]	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
	8/22/2012	8260B	<0.001		
	6/13/2012	8260B	<0.001		
	3/22/2012	8260B	<0.001		
	12/15/2011	8260B	<0.001		
	10/26/2011	8260B	<0.001		
	6/20/2011	8260B	1.3E-03		

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

NOTES

1) Quarterly combined with 2013 Annual sampling event.

8.13 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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
Well ID	**DATE SAMPLED**	**METHOD**					
OW-11	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
	7/27/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.0025
	8/14/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.0025
	12/27/2007	8260B	<0.001	<0.001	<0.001	<0.0015	<0.0025
	10/24/2006	8260B	<0.001	<0.001	<0.001	<0.0015	<0.0025
OW-12	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
	7/29/2009	8260B	<0.001	<0.001	<0.001	<0.002	<0.0025
	8/19/2008	8260B	<0.001	<0.001	<0.001	<0.002	<0.001
	12/27/2007	8260B	<0.001	<0.001	<0.001	<0.002	<0.001
	10/27/2006	8260B	<0.001	<0.001	<0.001	<0.001	<0.0025

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

1. NMED Tap Water (JUN 2012)

NOTES

8.13.1 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)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6 to 9**	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE
Well ID	**DATE SAMPLED**	**METHOD**									
OW-11	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
	7/27/2009	300.0	**2.0**	97	NL	**1.2**	1.2	<0.5	**950**	8.41	2500
	8/14/2008	300.0	**2.2**	90	0.29	0.75	0.75	<0.5	**940**	8.39	2600
	12/27/2007	300.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/24/2006	300.0	**2.5**	86	NL	<0.1	<0.1	<0.5	**1100**	8.4	3100
OW-12	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
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

NOTES
1) General Chemistry analysis requested as part of the annual sampling

8.13.2 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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**												
OW-11	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
	7/27/2009	6010B	2.02E-03	<0.01	<0.002	<0.006	<0.006	<0.05	<0.005	0.016	5.06E-03	<0.0002	**0.216**	<0.02
	8/14/2008	6010B	<0.02	<0.01	<0.002	<0.006	<0.006	<0.05	<0.005	0.015	<0.05	<0.0002	**0.249**	<0.02
	12/27/2007	6010B	<0.02	<0.01	<0.002	<0.006	<0.006	<0.05	<0.005	0.016	<0.05	<0.0002	**0.22**	NL
	10/28/2006	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	<0.05	<0.005	NL	<0.05	<0.0002	NL	NL
OW-12	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	**STANDARDS**
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
NA = Not analyzed	a) Human Health Standards; b) Other standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

NOTES

1) Method 200.7/200.8 analysis requested as part of the annual sampling

8.13.3 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)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	0.01	**0.05**	**1.0**	**1.0**	0.05	**0.2**	NE	**0.05**	NE	**0.03**	**10**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**NE**	NE	NE	NE	**0.015**	NE	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	NE	NE	0.078	NE	0.047	4.7
Well ID	**DATE SAMPLED**	**METHOD**													
OW-11	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	2.2	2.4E-03	630	**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	2.0	3.4E-03	640	**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	1.6	3.4E-03	640	**0.22**	0.11
	7/28/2010	6010B	<0.02	<0.02	<0.002	<0.006	<0.006	<0.02	<0.005	0.016	1.8	<0.05	630	**0.215**	<0.05
	7/27/2009	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/14/2008	6010B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/27/2007	6010B	NA	<0.01	NA	NA	NA	<0.05	NA	0.016	1.6	NA	690	**0.22**	NA
	10/28/2006	6010B	NA	<0.02	NA	NA	NA	<0.05	NA	NA	NA	NA	NA	NA	NA
OW-12	9/10/2013	200.7/200.8	0.002	0.022	<0.002	<0.006	<0.006	0.048	<0.001	2.1E-03	1.3	<0.001	240	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	<1.0	<0.001	270	0.012	0.031

NOTES	**STANDARDS**
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.
NA = Not analyzed	a) Human Health Standards; b) Other standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

Notes:

1) Method 200.7/200.8 analysis requested as part of the annual sampling

8.13.4 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 (APR 2013)			**0.006**
EPA RSL for Tap Water (NOV 2012)			0.048
WELL ID	**DATE SAMPLED**	**METHOD**	
OW-11	9/16/2013	8270C	**0.011** [1]

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

NOTES:

1) Detected for the first time during the 2013 Annual sampling event.

8.14 EVAPORATION PONDS (EP-1 thru EP-12B)
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 (APR 2014)			0.005	1.0	0.7	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	0.125 [1]
SAMPLE ID	DATE SAMPLED	METHOD					
EP-1	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	<0.001	<0.001	7.8E-03	<0.0015
	8/2/2010 [2]	8260B	<0.001	7.7E-03	<0.001	<0.0015	<0.001
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/17/2009	8260B	<0.001	0.024	5.2E-03	0.044	<0.001
	12/2/2008	8260B	**8.3E-03**	0.089	0.033	0.26	<0.001
	9/19/2008	8260B	3.3E-03	5.8E-03	2.6E-03	0.02	<0.001
	6/17/2008	8260B	<0.001	5.6E-03	1.6E-03	0.012	<0.001
	3/11/2008	8260B	**0.19**	0.47	8.7E-03	0.54	5.9E-03
	11/29/2007	8260B	**0.064**	0.23	0.048	0.31	<0.001
EP-2	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	0.003	1.9E-03	0.015	<0.0015
	8/2/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	4/20/2010 [2]	8260B	<0.001	1.3E-03	<0.001	4.3E-03	<0.001
	6/17/2009	8260B	<0.001	0.015	<0.001	0.037	<0.001
	12/2/2008	8260B	1.8E-03	0.02	7.2E-03	0.057	<0.001
	9/19/2008	8260B	<0.001	1.1E-03	<0.001	4.4E-03	<0.01
	6/17/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.01
	3/11/2008	8260B	3.8E-03	0.011	2.1E-03	0.014	<0.01
	11/29/2007	8260B	**0.021**	0.079	0.02	0.13	<0.01
EP-3	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.01	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	1.2E-03	<0.001	5.7E-03	<0.0015
	8/2/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.001	1.7E-03	<0.001
	12/2/2008	8260B	1.1E-03	0.012	4.3E-03	0.034	<0.001
	9/19/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	6/17/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/11/2008	8260B	<0.001	1.9E-03	<0.001	0.004	<0.001
	11/29/2007	8260B	<0.01	0.025	<0.01	0.038	<0.01

8.14 EVAPORATION PONDS (EP-1 thru EP-12B)

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 (APR 2014)			0.005	1.0	0.7	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	0.125 [1]
SAMPLE ID	DATE SAMPLED	METHOD					
EP-4	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015
	8/2/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/2/2008	8260B	<0.001	0.008	2.9E-03	0.022	<0.001
	9/19/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	6/17/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	3/11/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/29/2007	8260B	<0.01	0.011	<0.01	<0.015	<0.01
EP-5	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	<0.001	<0.001	<0.003	<0.001
	8/2/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/2/2008	8260B	<0.001	2.6E-03	0.001	7.2E-03	<0.001
	9/19/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	6/17/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	3/11/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/29/2007	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
EP-6	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/2/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/2/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/19/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	6/17/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	3/11/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/29/2007	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
EP-7	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01

8.14 EVAPORATION PONDS (EP-1 thru EP-12B)

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 (APR 2014)			0.005	1.0	0.7	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	0.125 [1]
SAMPLE ID	DATE SAMPLED	METHOD					
EP-7	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015
	8/2/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/2/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/19/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	6/17/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	3/11/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/29/2007	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
EP-8	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015
	8/2/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	12/2/2008	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	9/19/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	6/17/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	3/11/2008	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/29/2007	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
EP-9	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
EP-11	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
EP-12A	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01

8.14 EVAPORATION PONDS (EP-1 thru EP-12B)

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 (APR 2014)			**0.005**	**1.0**	**0.7**	**10**	**NE**
EPA RSL for Tap Water (NOV 2013)			**3.9E-03**	**0.86**	**0.013**	**0.19**	**0.125 [1]**
SAMPLE ID	**DATE SAMPLED**	**METHOD**					
EP-12A	11/16/2010 [3]	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
EP-12B	10/15/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/28/2013	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/6/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/29/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	11/16/2010 [3]	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015
	4/20/2010 [2]	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001

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

1. NMED Tap Water (JUN 2012)

NOTES

2) Used the unapproved Facility Wide Ground Water Monitoring Plan (FWGWMP) sampling guidelines first quarter of 2010 which included the addition of evaporation ponds 9a, 11, 12A and 12B.

3) *Used approved FWGWMP sampling guidelines beginning in the third quarter 2010. (approved August 25, 2010).*

8.14.1 EVAPORATION PONDS (EP-1 thru EP-12B)

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)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6.6 to 8.6** [1]	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	NE	25	**3.1E-04**	NE	NE	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**									
EP-1	10/15/2013	300.0	**21**	**1300**	1.5	<2.0	<2.0	<5.0	**2000**	6.96	6900
	5/28/2013	300.0	**20**	**1000**	1.2	<1.0	<1.0	<5.0	**1200**	8.05	6200
	11/6/2012	300.0	**72**	**570**	2.5	<2.0	<2.0	<10	**980**	**8.79**	5500
	5/29/2012	300.0	**34**	**3400**	2.0	<0.5	<0.5	<2.5	**1300**	7.75	8800
	11/1/2011	300.0	**240**	**3000**	1.3	<10	<10	<2.5	**1200**	**8.71**	12000
	5/23/2011	300.0	**590**	200	1.4	<1.0	3.2	<5.0	**980**	**5.49**	6200
	11/16/2010 [3]	300.0	**350**	140	1.2	**4.8**	4.8	<2.5	**1000**	7.4	4300
	8/2/2010 [2]	300.0	**99**	**310**	<2.0	<4.0	<4.0	<10	**870**	7.68	3700
	4/20/2010 [2]	300.0	**340**	**330**	<5.0	<1.0	<1.0	<5.0	**1500**	8.36	5400
	6/17/2009	300.0	**86**	**820**	NL	<1.0	<1.0	<5.0	580	7.73	4400
	12/2/2008	300.0	**110**	**360**	NL	<1.0	<1.0	**7.2**	**780**	7.76	4400
	9/9/2008	300.0	**99**	150	NL	<1.0	<1.0	<5.0	**7700**	7.82	4500
	6/17/2008	300.0	**120**	120	NL	<1.0	<1.0	**15**	**1100**	7.57	4600
	3/11/2008	300.0	**560**	**540**	NL	<1.0	<1.0	<2.5	**980**	**3.81**	4900
EP-2	10/15/2013	300.0	**70**	**1100**	1.4	<2.0	<2.0	<5.0	**680**	8.33	6500
	5/28/2013	300.0	**42**	**310**	6.1	<1.0	<1.0	<5.0	**1700**	7.49	6000
	11/6/2012	300.0	**84**	**290**	<2.0	<2.0	<2.0	<10	**820**	8.31	6900
	5/29/2012	300.0	**55**	**6600**	2.6	<2.0	<0.5	<2.5	**1300**	7.6	20000
	11/1/2011	300.0	**46**	**2700**	1.5	<20	<20	<5.0	**1700**	8.35	15000
	5/23/2011	300.0	**65**	**3700**	1.3	<20	<20	<25	**990**	7.84	18000
	11/16/2010 [3]	300.0	**41**	**3500**	1.8	<10	<10	<2.5	**970**	7.38	14000
	8/2/2010 [2]	300.0	**43**	**1600**	<1.0	<4.0	<4.0	<2.5	**970**	7.91	6400
	4/20/2010 [2]	300.0	**170**	**1100**	2.3	<2.0	<0.5	<2.5	**1200**	7.56	5800
	6/17/2009	300.0	**52**	**3500**	NL	<2.1	<0.6	<2.5	**1000**	8.13	13000
	12/2/2008	300.0	**37**	**1800**	NL	<2.2	<0.7	<2.5	**1000**	7.8	8500
	9/9/2008	300.0	**48**	**2800**	NL	<1.0	<1.0	<2.5	**960**	7.97	10000
	6/17/2008	300.0	**63**	**2900**	NL	<1.0	<1.0	<2.5	**1300**	7.9	11000
	3/11/2008	300.0	**63**	**2200**	NL	<1.0	<1.0	<2.5	**970**	6.81	8400
EP-3	10/15/2013	300.0	**39**	**5200**	1.3	<4.0	<4.0	<5.0	**730**	7.77	18000
	5/28/2013	300.0	**21**	**6500**	2.7	<10	<1.0	<5.0	**1400**	7.76	29000
	11/6/2012	300.0	**77**	**2000**	<2.0	<2.0	<2.0	<10	**1200**	7.84	12000
	5/29/2012	300.0	**22**	**9500**	2.4	<4.0	<4.0	<2.5	**1400**	7.68	27000
	11/1/2011	300.0	**43**	**6400**	1.2	<20	<20	<2.5	**1600**	8.24	17000
	5/23/2011	300.0	**54**	**3700**	1.4	<5.0	<1.0	<5.0	**1100**	8.02	19000
	11/16/2010 [3]	300.0	**11**	**5100**	1.4	<200	<200	<2.5	**1000**	7.66	16000
	8/2/2010 [2]	300.0	**41**	**2800**	1.2	<10	<10	<5.0	**1100**	7.76	9000

8.14.1 EVAPORATION PONDS (EP-1 thru EP-12B)

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)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6.6 to 8.6** [1]	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	NE	25	**3.1E-04**	NE	NE	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**									
EP-3	4/20/2010 [2]	300.0	**63**	**8400**	<10	<40	<40	<2.5	**1100**	8.11	32000
	6/17/2009	300.0	**48**	**3600**	NL	<4.0	<4.0	<2.5	**1100**	8.13	14000
	12/2/2008	300.0	**26**	**1800**	NL	<2.0	<0.5	<2.5	**980**	7.86	8500
	9/9/2008	300.0	**51**	**2800**	NL	<1.0	<1.0	<5.0	**1100**	7.94	10000
	6/17/2008	300.0	**44**	**3700**	NL	<1.0	<1.0	<2.5	**1400**	7.91	13000
	3/11/2008	300.0	**41**	**2700**	NL	<1.0	<1.0	<2.5	**1000**	7.86	9800
EP-4	10/15/2013	300.0	**33**	**6000**	1.4	<4.0	<4.0	<5.0	**830**	7.72	20000
	5/28/2013	300.0	**19**	**7700**	2.6	<10	<1.0	<5.0	**1500**	7.77	32000
	11/6/2012	300.0	**46**	**4000**	<2.0	<10	<10	<10	**980**	8.13	19000
	5/29/2012	300.0	**20**	**6500**	3.3	<2.0	<0.5	<2.5	**1400**	7.87	22000
	11/1/2011	300.0	**39**	**4300**	<2.0	<20	<20	<2.5	**1600**	7.76	18000
	5/23/2011	300.0	**35**	**5300**	<2.0	<5.0	<1.0	<5.0	**1100**	8.1	24000
	11/16/2010 [3]	300.0	**22**	**4500**	2.0	<20	<20	<2.5	**1100**	7.81	18000
	8/2/2010 [2]	300.0	**35**	**2500**	1.3	<10	<10	<2.5	**1100**	7.89	8700
	4/20/2010 [2]	300.0	**67**	**8000**	<2.0	<40	<40	<2.5	**1000**	8.05	26000
	6/17/2009	300.0	**46**	**3400**	NL	<4.0	<4.0	<2.5	**1200**	8.12	13000
	12/2/2008	300.0	**27**	**2000**	NL	<2.0	<0.5	<2.5	**1000**	7.89	9100
	9/9/2008	300.0	**49**	**2900**	NL	<1.0	<1.0	<5.0	**1100**	7.9	11000
	6/17/2008	300.0	**34**	**4500**	NL	<1.0	<1.0	<2.5	**1500**	7.94	15000
	3/11/2008	300.0	**32**	**2800**	NL	<1.0	<1.0	<2.5	**1000**	8.06	10000
EP-5	10/15/2013	300.0	**29**	**6500**	1.6	<4.0	<4.0	<5.0	**950**	7.89	21000
	5/28/2013	300.0	**17**	**8400**	2.9	<10	<1.0	<5.0	**1400**	7.67	32000
	11/6/2012	300.0	**16**	**5600**	<2.0	<50	<2.0	<10	**870**	8.13	23000
	5/29/2012	300.0	**21**	**6100**	3.2	<4.0	<4.0	<2.5	**1300**	7.84	22000
	11/1/2011	300.0	**26**	**4300**	1.5	<20	<20	<2.5	**1600**	7.74	21000
	5/23/2011	300.0	**27**	**6700**	2.3	<5.0	<1.0	<10	**1200**	8.06	26000
	11/16/2010 [3]	300.0	**20**	**4200**	2.1	<20	<20	<2.5	**1200**	7.86	18000
	8/2/2010 [2]	300.0	**39**	**4800**	2.0	<10	<10	<2.5	**1300**	7.97	20000
	4/20/2010 [2]	300.0	**53**	**12000**	<10	<40	<40	<2.5	**1100**	8.04	40000
	6/17/2009	300.0	**32**	**4400**	NL	<4.0	<4.0	<2.5	**1400**	8.07	17000
	12/2/2008	300.0	**29**	**2900**	NL	<2.0	<0.5	<2.5	**1200**	7.82	14000
	9/9/2008	300.0	**33**	**3000**	NL	<1.0	<1.0	<5.0	**890**	7.93	10000
	6/17/2008	300.0	**26**	**5400**	NL	<1.0	<1.0	<2.5	**1800**	7.86	17000
	3/11/2008	300.0	**41**	**2900**	NL	<1.0	<1.0	<2.5	**1100**	7.82	10000
EP-6	10/15/2013	300.0	**17**	**11000**	3.1	<10	<10	<5.0	**2200**	7.66	38000
	5/28/2013	300.0	**15**	**11000**	4.4	<10	<1.0	<5.0	**1900**	7.7	41000
	11/6/2012	300.0	**21**	**11000**	<2.0	<0.5	<2.0	<10	**2500**	7.93	42000
	5/29/2012	300.0	**20**	**8800**	3.3	<4.0	<4.0	<2.5	**2100**	7.86	27000

8.14.1 EVAPORATION PONDS (EP-1 thru EP-12B)

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)
WQCC 20NMAC 6.2.3103			1.6	250.0	NE	NE	10	NE	600.0	6.6 to 8.6 [1]	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	1.0	10	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	NE	25	3.1E-04	NE	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD									
EP-6	11/1/2011	300.0	24	6900	2.1	<20	<20	<2.5	2300	7.94	26000
	5/23/2011	300.0	18	6500	2.1	<20	<20	<2.5	1300	7.83	23000
	11/16/2010 [3]	300.0	25	6300	2.4	<20	<20	<2.5	1500	774	21000
	8/2/2010 [2]	300.0	21	7400	2.1	<40	<40	<2.5	1500	8.33	27000
	4/20/2010 [2]	300.0	29	4000	<10	<2.0	<2.0	<10	1100	7.66	8400
	6/17/2009	300.0	18	5100	NL	<4.0	<4.0	<10	1800	8.07	16000
	12/2/2008	300.0	28	5500	NL	<2.0	<0.5	<10	7600	7.7	19000
	9/9/2008	300.0	26	4900	NL	<4.0	<4.0	<5.0	1900	7.83	16000
	6/17/2008	300.0	29	6600	NL	<2.0	<0.5	<5.0	2600	7.64	25000
	3/11/2008	300.0	35	4100	NL	<4.0	<4.0	<5.0	1600	7.7	13000
EP-7	10/15/2013	300.0	24	52000	26	<40	<40	<50	11000	7.68	170000
	5/28/2013	300.0	28	55000	30	<10	<1.0	<5.0	11000	7.61	190000
	11/6/2012	300.0	37	81000	<500	<500	<2.0	<10	15000	7.76	210000
	5/29/2011	300.0	24	50000	25	<20	<20	<25	9500	7.72	150000
	11/1/2011	300.0	22	46000	13	<40	<40	<5.0	8100	7.82	120000
	5/23/2011	300.0	27	28000	16	<100	<100	<2.5	8400	7.79	120000
	11/16/2010 [3]	300.0	35	35000	20	<200	<200	<10	8400	7.85	84000
	8/2/2010 [2]	300.0	18	62000	27	<200	<200	<10	11000	7.41	180000
	4/20/2010 [2]	300.0	16	27000	54	<200	<50	<10	6900	7.31	150000
	6/17/2009	300.0	20	39000	NL	<10	<10	<10	10000	7.59	130000
	12/2/2008	300.0	35	42000	NL	<40	<40	<10	8300	7.55	140000
	9/9/2008	300.0	25	38000	NL	<4.0	<4.0	<5.0	8500	7.52	110000
	6/17/2008	300.0	29	64000	NL	<2.0	<0.5	<5.0	15000	7.34	180000
	3/11/2008	300.0	22	22000	NL	<4.0	<4.0	<5.0	5600	7.61	68000
EP-8	10/15/2013	300.0	33	110000	58	<40	<40	<50	18000	7.07	370000
	5/28/2013	300.0	29	47000	19	<10	<1.0	<5.0	8600	7.59	170000
	11/6/2012	300.0	71	250000	<500	<500	<500	<2500	31000	6.58	550000
	5/29/2012	300.0	33	67000	39	<20	<20	<25	9700	7.53	180000
	11/1/2011	300.0	27	27000	9.9	<20	<20	<2.5	3600	7.92	66000
	5/23/2011	300.0	43	170000	75	<100	<100	<5.0	18000	6.83	370000
	11/16/2010 [3]	300.0	44	81000	57	<200	<200	<10	12000	7.14	190000
	8/2/2010 [2]	300.0	43	110000	78	<100	<100	<10	22000	6.21	300000
	4/20/2010 [2]	300.0	46	49000	54	<200	<200	<10	6900	7.31	150000
	6/17/2009	300.0	57	180000	NL	<10	<10	<10	23000	6.73	310000
	12/2/2008	300.0	31	46000	NL	<40	<40	<10	8600	7.39	170000
	9/9/2008	300.0	26	17000	NL	<20	<20	<5.0	3400	7.75	51000
	6/17/2008	300.0	94	160000	NL	<10	<10	<5.0	20000	6.28	420000
	3/11/2008	300.0	25	3000	NL	<40	<40	<5.0	6100	7.47	94000

8.14.1 EVAPORATION PONDS (EP-1 thru EP-12B)

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)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6.6 to 8.6** [1]	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	NE	25	**3.1E-04**	NE	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD									
EP-9[2]	10/15/2013	300.0	**15**	**55000**	21	<40	<40	<50	**8100**	7.45	180000
	5/28/2013	300.0	**19**	**62000**	24	<10	3.0	<5.0	**8400**	7.54	200000
	11/6/2012	300.0	**13**	**46000**	380	<40	<40	<10	**6400**	7.69	150000
	5/29/2012	300.0	**21**	**63000**	24	<20	<20	<25	**7500**	7.57	160000
	11/1/2011	300.0	**20**	**76000**	24	<100	<100	<10	**9400**	7.58	210000
	5/23/2011	300.0	**19**	**57000**	19	<200	<200	<10	**7100**	7.57	190000
	11/16/2010 [3]	300.0	**21**	**76000**	32	<200	<200	<10	**8700**	7.31	200000
	4/20/2010 [2]	300.0	**20**	**38000**	14	<200	<200	<10	**5000**	7.58	120000
EP-11[2]	10/15/2013	300.0	**22**	**11000**	5.9	<10	<10	<10	**4500**	7.92	81000
	5/28/2013	300.0	**23**	**8900**	5.7	<10	<1.0	<5.0	**4000**	7.88	39000
	11/6/2012	300.0	**40**	**3500**	<2.0	<2.0	<2.0	<10	**1300**	8.06	18000
	5/29/2012	300.0	**22**	**8200**	5.1	<4.0	<4.0	<2.5	**3700**	7.84	30000
	11/1/2011	300.0	**29**	**5700**	1.2	<20	<20	<5.0	**1800**	7.83	19000
	5/23/2011	300.0	**23**	**16000**	6.2	<40	<40	<2.5	**3900**	7.85	62000
	11/16/2010 [3]	300.0	**28**	**14000**	5.9	<40	<40	<5.0	**3300**	7.86	47000
	4/20/2010 [2]	300.0	**18**	**17000**	6.9	<100	<100	<10	**4400**	7.73	62000
EP-12A[2]	10/15/2013	300.0	**43**	**1900**	2.2	<2.0	<2.0	<5.0	**1300**	8.2	8600
	5/28/2013	300.0	**29**	**3800**	3.0	<1.0	<1.0	<5.0	**1700**	7.98	17000
	11/6/2012	300.0	**35**	**4000**	<2.0	<2.0	<2.0	<10	**1400**	8.09	19000
	5/29/2012	300.0	**23**	**7600**	5.0	<4.0	<4.0	<2.5	**2300**	7.88	25000
	11/1/2011	300.0	**36**	**5400**	1.2	<20	<20	<2.5	**1500**	8.05	18000
	5/23/2011	300.0	**28**	**6400**	2.5	<5.0	<1.0	<5.0	**1400**	8.08	26000
	11/16/2010 [3]	300.0	**21**	**11000**	4.5	<40	<40	<10	**3100**	8.07	39000
	4/20/2010 [2]	300.0	**29**	**6400**	<20	<20	<20	<25	**1300**	7.89	20000
EP-12B[2]	10/15/2013	300.0	**14**	**1300**	1.5	<2.0	<2.0	<5.0	**770**	8.43	6800
	5/28/2013	300.0	**32**	**3100**	3.1	<1.0	<1.0	<5.0	**1500**	7.93	14000
	11/6/2012	300.0	**71**	**1900**	<2.0	<2.0	<2.0	<10	**1100**	7.91	12000
	5/29/2012	300.0	**19**	**7000**	3.6	<4.0	<10	<2.5	**1500**	7.75	25000
	11/1/2011	300.0	**39**	**3600**	5.3	<20	<20	<2.5	**1500**	8.12	18000
	5/23/2011	300.0	**37**	**4800**	1.9	<5.0	<1.0	<5.0	**1100**	8.07	22000
	11/16/2010 [3]	300.0	**22**	**6100**	3.0	<20	<20	<5.0	**1700**	7.74	22000
	4/20/2010 [2]	300.0	**80**	**5000**	<1.0	<5.0	<5.0	<25	**950**	8.06	9400

8.14.1 EVAPORATION PONDS (EP-1 thru EP-12B)

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)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6.6 to 8.6 [1]**	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	NE	25	**3.1E-04**	NE	NE	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**									

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
1) NMAC 20.6.2.2101A General Requirements
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES

2) Used the unapproved Facility Wide Ground Water Monitoring Plan (FWGWMP) sampling guidelines for the first quarter of 2010 which included the addition of evaporation ponds 9a, 11, 12A and 12B.

3) *Used approved FWGWMP sampling guidelines beginning in the third quarter 2010. (approved August 25, 2010).*

8.14.2 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			Parameters			
			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 (APR 2014)			NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			NE	NE	MCL[6]	
SAMPLE ID	DATE SAMPLED	METHOD				
EP-1	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[2]	SM5210B/E410.4/3014	1080	2210	>2419.6	>2419.6
	6/17/2009	SM5210B/E410.4/3014	179	344	Present	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	>60000	NL
	9/9/2008	SM5210B/E410.4/3014	299	3000	58	NL
	6/17/2008	SM5210B/E410.4/3014	327	1230	ND	ND
	3/11/2008	SM5210B/E410.4/3014	556	965	Absent	NL
EP-2	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
	6/17/2009	SM5210B/E410.4/3014	83.6	192	Present	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	>6000	NL
	9/9/2008	SM5210B/E410.4/3014	122	2500	300	NL
	6/17/2008	SM5210B/E410.4/3014	110	790	ND	ND
	3/11/2008	SM5210B/E410.4/3014	0.71	871	Absent	NL
EP-3	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[2]	SM5210B/E410.4/3014	200	771	100.6	>2419.6
	6/17/2009	SM5210B/E410.4/3014	69.2	204	Present	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	>6000	NL
	9/9/2008	SM5210B/E410.4/3014	73	950	300	NL
	6/17/2008	SM5210B/E410.4/3014	9639	691	ND	ND
	3/11/2008	SM5210B/E410.4/3014	323	871	Present	NL
EP-4	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

8.14.2 EVAPORATION PONDS (EP-1 thru EP-12B)

BOD/COD/E-COLI Analytical Result Summary

			Parameters			
			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 (APR 2014)			NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			NE	NE	MCL[6]	
SAMPLE ID	DATE SAMPLED	METHOD				
EP-4	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
	4/21/2010[2]	SM5210B/E410.4/3014	281	683	<1.0	>2419.6
	6/17/2009	SM5210B/E410.4/3014	71.1	222	Present	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	2900	NL
	9/9/2008	SM5210B/E410.4/3014	68	850	54.5	NL
	6/17/2008	SM5210B/E410.4/3014	103	110	ND	ND
	3/11/2008	SM5210B/E410.4/3014	275	663	Present	NL
EP-5	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[2]	SM5210B/E410.4/3014	123	782	2.0	>2419.6
	6/17/2009	SM5210B/E410.4/3014	41.9	210	Absent	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	630	NL
	9/9/2008	SM5210B/E410.4/3014	59	667	54.5	NL
	6/17/2008	SM5210B/E410.4/3014	<128	575	ND	ND
	3/11/2008	SM5210B/E410.4/3014	178	506	Present	
EP-6	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[2]	SM5210B/E410.5	54.8	290	1.0	>2419.6
	6/17/2009	SM5210B/E410.4	<60	126	Absent	Present
	12/2/2008	SM5210B/E410.4	ND	ND	17.3	NL
	9/9/2008	SM5210B/E410.4	47	949	90.9	NL
	6/17/2008	SM5210B/E410.4	<128	723	ND	ND
	3/11/2008	SM5210B/E410.4	126	847	Present	NL
EP-7	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

8.14.2 EVAPORATION PONDS (EP-1 thru EP-12B)

BOD/COD/E-COLI Analytical Result Summary

			Parameters			
			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 (APR 2014)			NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			NE	NE	MCL[6]	
SAMPLE ID	DATE SAMPLED	METHOD				
EP-7	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[2]	SM5210B/E410.4/3014	<60.0	**1010**	<1.0	96
	6/17/2009	SM5210B/E410.4/3014	<60	**720**	Absent	**Present**
	12/2/2008	SM5210B/E410.4/3014	ND	ND	<1.0	NL
	9/9/2008	SM5210B/E410.4/3014	**47.8**	**3330**	24.9	NL
	6/17/2008	SM5210B/E410.4/3014	17.7	**4340**	ND	ND
	3/11/2008	SM5210B/E410.4/3014	15.7	**2118**	Absent	NL
EP-8	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
	4/21/2010[2]	SM5210B/E410.4/3014	14.3	**776**	<1.0	2
	6/17/2009	SM5210B/E410.4/3014	<60.0	**2160**	Absent	**Present**
	12/2/2008	SM5210B/E410.4/3014	ND	ND	<1.0	NL
	9/9/2008	SM5210B/E410.4/3014	<16.0	**3080**	102	NL
	6/17/2008	SM5210B/E410.4/3014	8.2	**16100**	ND	ND
	3/11/2008	SM5210B/E410.4/3014	17.4	**1770**	Absent	NL
EP-9	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[2]	SM5210B/E410.4/3014	<60.0	**760**	<1.0	85.5
EP-11	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	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

8.14.2 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			Parameters			
			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 (APR 2014)			NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			NE	NE	MCL[6]	
SAMPLE ID	**DATE SAMPLED**	**METHOD**				
EP-12A	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	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[2]	SM5210B/E410.4/3014	**342**	**1070**	**1540.2**	**>2419.6**

DEFINITIONS
NE = Not established
NA = Not analyzed
NL = Not listed on laboratory analysis
ND = No data available
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 Concentrations or Less.
1. 20 NMAC 6.2.2101 General Requirements
EPA Regional Screening Level (RSL) Summary Table
6. Fecal coliform positive or e-coli positive triggers repeat samples if any repeat sample is total coliform positive. A routine sample that is total coliform positive and fecal coliform negative or e-coli negative triggers repeat samples if any repeat sample is fecal coliform positive or e-coli positive.

NOTES
2) Used the unapproved Facility Wide Ground Water Monitoring Plan (FWGWMP) sampling guidelines for the first quarter of 2010 which included the addition of evaporation ponds 9a, 11, 12A and 12B.

8.14.3 EVAPORATION PONDS (EP-1 thru EP-12B)

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)	Magnesium (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	NE	**0.2**	**0.05**	**0.002**	**0.03**	**10**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	NE	0.32	0.078	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
EP-1	10/15/2013	200.7/200.8	**0.011**	0.1	<0.002	0.018	<0.006	0.56	<0.01	120	**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	NL	**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	NL	**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	NL	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	NL	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	8.2	**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	NL	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	NL	**0.43**	<1.3	1.6E-03	NL	1.3
	4/20/2010 [2]	6010B	<0.1	0.27	<0.01	<0.03	<0.03	**36**	<0.025	12	**0.24**	<0.25	<0.0002	5.81E-03	0.49
	6/17/2009	6010B	0.008	0.01	<0.01	<0.05	<0.01	**5.6**	<0.05	12.5	0.2	0.015	<0.001	<0.001	0.28
	12/2/2008	6010B	<0.02	0.098	NL	<0.01	<0.02	**7.6**	<0.005	16	**0.27**	0.041	<0.0002	<0.001	0.36
	9/9/2008	6010B	<0.02	0.076	<0.002	<0.006	<0.006	NL	<0.005	14	**0.22**	<0.05	<0.0002	<0.001	0.12
EP-2	10/15/2013	200.7/200.8	**0.011**	0.093	<0.002	8.1E-03	<0.006	0.45	<0.01	30	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	NL	**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	NL	**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	NL	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	NL	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	70	**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	NL	**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	NL	**0.23**	<0.5	<0.0002	<0.001	<0.5
	4/20/2010 [2]	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	**17**	<0.025	26	**0.31**	<0.25	7.7E-04	8.3E-03	<0.25
	6/17/2009	6010B	**0.011**	<0.1	<0.01	<0.05	<0.01	**2.33**	<0.05	75.3	0.17	0.011	<0.001	0.002	0.08
	12/2/2008	6010B	<0.02	0.061	NL	<0.01	<0.02	**2.7**	<0.005	56	0.19	0.022	<0.0002	<0.001	0.089
	9/9/2008	6010B	<0.02	0.1	NL	<0.006	<0.006	NL	<0.005	84	**0.21**	<0.25	**0.1**	2.07E-03	0.089
EP-3	10/15/2013	200.7/200.8	**0.014**	0.11	<0.002	0.007	<0.006	0.76	<0.01	130	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	NL	**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	NL	**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	NL	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	NL	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	86	**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	NL	0.19	<0.25	<0.0002	<0.001	<0.1
	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	**3.0**	<0.05	NL	**0.38**	<0.5	<0.0002	<0.001	<0.5
	4/20/2010 [2]	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	**1.6**	<0.025	140	**0.39**	<0.25	<0.0002	3.26E-03	<0.25
	6/17/2009	6010B	**0.013**	<0.1	<0.01	<0.05	<0.01	**1.75**	<0.05	89.5	**0.22**	0.013	<0.001	0.003	0.07
	12/2/2008	6010B	**0.024**	0.052	NL	<0.01	<0.02	**1.8**	<0.005	52	0.2	0.026	<0.0002	<0.001	<0.03
	9/9/2008	6010B	<0.02	0.11	NL	<0.006	<0.006	NL	<0.005	87	**0.21**	<0.25	<0.0002	2.37E-03	0.47
EP-4	10/15/2013	200.7/200.8	**0.012**	0.091	<0.002	6.8E-03	<0.006	0.38	<0.01	140	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	NL	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	NL	**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	NL	0.064	0.018	<0.0002	<0.0025	<0.01

8.14.3 EVAPORATION PONDS (EP-1 thru EP-12B)
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)	Magnesium (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	NE	**0.2**	**0.05**	**0.002**	**0.03**	**10**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	NE	0.32	0.078	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
EP-4	11/1/2011	200.7/200.8	8.7E-03	0.077	<0.002	<0.006	<0.006	**1.2**	<0.005	NL	**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	130	**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	NL	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	NL	**0.31**	<0.5	<0.0002	<.001	<0.5
	4/20/2010 [2]	6010B	<0.1	0.086	<0.002	<0.006	<0.006	**2.0**	<0.005	140	**0.37**	<0.05	<0.0002	3.27E-03	<0.05
	6/17/2009	6010B	**0.012**	<0.1	<0.01	<0.05	<0.01	**1.35**	<0.05	85.2	**0.22**	0.013	<0.001	0.002	0.08
	12/2/2008	6010B	<0.02	0.057	NL	<0.01	<0.02	**1.4**	<0.005	59	0.2	0.025	<0.0002	<0.001	<0.1
	9/9/2008	6010B	<0.02	0.13	NL	<0.006	<0.006	NL	<0.005	87	**0.23**	<0.25	<0.0002	1.87E-03	0.021
EP-5	10/15/2013	200.7/200.8	**0.013**	0.09	<0.002	7.1E-03	<0.006	0.33	<0.01	140	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	NL	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	NL	**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	NL	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	NL	**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	130	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	NL	**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	NL	0.069	<0.5	<0.002	<0.001	<0.5
	4/20/2010 [2]	6010B	<0.1	0.11	<0.01	<0.03	<0.03	**1.1**	<0.025	180	**0.45**	<0.25	<0.0002	5.71E-03	<0.05
	6/17/2009	6010B	**0.013**	<0.1	<0.01	<0.05	<0.01	0.5	<0.05	116	**0.27**	0.009	<0.001	0.002	0.02
	12/2/2008	6010B	<0.02	0.084	NL	<0.01	<0.02	0.9	<0.005	82	**0.26**	0.024	<0.0002	0.001	<0.03
	9/9/2008	6010B	<0.02	0.14	<0.002	<0.006	<0.006	NL	<0.005	82	0.17	<0.25	<0.0002	1.42E-03	<0.02
EP-6	10/15/2013	200.7/200.8	<0.05	0.099	<0.002	9.9E-03	<0.006	0.1	<0.05	230	**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	NL	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	NL	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	NL	**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	NL	**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	110	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	NL	**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	NL	**4.8**	<0.5	<0.0002	<0.001	<0.5
	4/20/2010 [2]	6010B	<0.02	0.064	<0.002	<0.006	<0.006	0.67	<0.005	0.89	**0.4**	<0.05	<0.0002	1.85E-03	<0.05
	6/17/2009	6010B	**0.015**	<0.1	<0.01	<0.05	<0.01	0.2	<0.05	131	**0.31**	0.005	<0.001	0.002	<0.01
	12/2/2008	6010B	**0.024**	0.12	NL	<0.01	<0.02	0.3	<0.005	130	**0.48**	<0.02	<0.0002	0.002	<0.03
	9/9/2008	6010B	<0.02	0.11	<0.002	<0.006	<0.006	NL	<0.005	130	**0.46**	<0.25	<0.0002	1.25E-03	<0.02
EP-7	10/15/2013	200.7/200.8	**0.14**	0.099	<0.01	<0.3	<0.03	0.39	<0.05	1200	**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	NL	**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	NL	**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	NL	**0.74**	**0.077**	<0.0002	<0.02	0.011
	11/1/2011	200.7/200.8	**0.049**	0.098	<0.01	<0.03	<0.03	0.39	<0.025	NL	**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	730	**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	NL	**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	NL	**3.9**	<2.5	<0.0002	NL	<2.5
	4/20/2010 [2]	6010B	**0.1**	<0.2	<0.01	<0.03	<0.03	0.28	<0.025	620	**2.7**	<0.25	<0.0002	2.25E-03	<0.25

8.14.3 EVAPORATION PONDS (EP-1 thru EP-12B)
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)	Magnesium (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	NE	**0.2**	**0.05**	**0.002**	**0.03**	**10**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	NE	0.32	0.078	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
EP-7	6/17/2009	6010B	**0.055**	0.1	<0.01	<0.05	0.03	0.14	**0.08**	944	**4.44**	0.033	<0.001	0.003	<0.02
	12/2/2008	6010B	<0.01	0.14	<0.02	<0.05	<0.1	<0.5	<0.25	1000	**1.8**	<0.1	<0.0002	0.002	<0.15
	9/9/2008	6010B	<0.20	0.11	<0.02	<0.006	<0.006	NL	<0.05	960	**5.8**	<0.5	<0.0002	1.03E-03	<0.02
EP-8	10/15/2013	200.7/200.8	**0.35**	0.24	<0.02	<0.06	<0.06	0.23	<0.1	3500	**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	NL	**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	NL	**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	NL	**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	NL	**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	3300	**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	NL	<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	NL	**24**	<2.5	<0.0002	NL	<2.5
	4/20/2010 [2]	6010B	**0.17**	0.13	<0.01	<0.03	<0.03	0.62	<0.025	1500	**9.6**	<0.25	<0.0002	2.27E-03	<0.25
	6/17/2009	6010B	**0.384**	0.2	<0.01	<0.05	0.27	0.3	<0.05	4050	**28**	**0.224**	<0.001	0.004	0.13
	12/2/2008	6010B	**0.13**	0.15	<0.01	<0.05	<0.1	<0.5	<0.025	1400	**5.5**	<0.1	<0.001	0.002	<0.15
	9/9/2008	6010B	<0.1	0.12	<0.01	<0.03	<0.03	NL	<0.025	43	**2.4**	<0.25	<0.001	1.48E-03	<0.01
EP-9 [2]	10/15/2013	200.7/200.8	<0.1	0.18	<0.01	<0.03	<0.03	0.1	<0.05	1200	**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	NL	**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	NL	**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	NL	**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	NL	**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	970	**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	NL	**6.7**	<1.0	<0.0002	0.003	<0.4
	4/20/2010 [2]	6010B	<0.1	0.14	<0.01	<0.03	<0.03	0.62	<0.025	790	**29**	<0.25	<0.0002	2.20E-03	<0.25
EP-11 [2]	10/15/2013	200.7/200.8	<0.05	0.072	<0.002	0.011	<0.006	0.42	<0.05	240	**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	NL	**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	NL	**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	NL	**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	NL	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	340	**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	NL	**0.88**	<0.25	<0.0002	0.002	<0.1
	4/20/2010 [2]	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.42	<0.025	420	**1.6**	<0.25	<0.0002	1.97E-03	<0.25
EP-12A [2]	10/15/2013	200.7/200.8	<0.05	0.072	<0.002	0.011	<0.006	0.65	<0.05	45	**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	NL	**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	NL	**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	NL	**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	NL	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	120	**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	NL	**0.4**	<0.25	<0.0002	0.002	<0.1
	4/20/2010 [2]	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.92	<0.025	110	**0.28**	<0.25	<0.0002	1.75E-03	<0.25

8.14.3 EVAPORATION PONDS (EP-1 thru EP-12B)

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)	Magnesium (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	NE	**0.2**	**0.05**	**0.002**	**0.03**	**10**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	NE	0.32	0.078	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
EP-12B [2]	10/15/2013	200.7/200.8	**0.011**	0.08	<0.002	7.6E-03	<0.006	0.38	<0.01	31	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	NL	**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	NL	**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	NL	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	NL	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	110	**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	NL	0.15	<0.25	<0.0002	<0.001	<0.25
	4/20/2010 [2]	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	**4.2**	<0.025	83	**0.35**	<0.25	<0.0002	2.91E-03	<0.25

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
1) National Secondary Drinking Water Regulation (May 2009); Action Level
EPA Regional Screening Level (RSL) Summary Table

NOTES

2) Used the unapproved Facility Wide Ground Water Monitoring Plan (FWGWMP) sampling guidelines for the first quarter of 2010 which included the addition of evaporation ponds 9, 11, 12A and 12B.

8.14.4 EVAPORATION PONDS (EP-1 thru EP-12B)

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.071	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
EP-1	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 [2]	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	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 [2]	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	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 [2]	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	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
	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 [2]	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	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

8.14.4 EVAPORATION PONDS (EP-1 thru EP-12B)

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.071	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
EP-5	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
	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 [2]	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	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 [2]	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	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
	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 [2]	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	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 [2]	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 [2]	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

8.14.4 EVAPORATION PONDS (EP-1 thru EP-12B)

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	0.071	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
EP-9 [2]	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
	4/20/2010 [2]	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 [2]	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 [2]	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 [2]	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 [2]	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 [2]	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 [2]	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
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
1) National Secondary Drinking Water Regulation (May 2009); Action Level
EPA Regional Screening Level (RSL) Summary Table

NOTES:

2) Used the unapproved Facility Wide Ground Water Monitoring Plan (FWGWMP) sampling guidelines for the first quarter of 2010 which included the addition of evaporation ponds 9, 11, 12A and 12B.

8.14.5 EVAPORATION PONDS (EP-1 thru EP-12B)

Volatile Organic Compound Analytical Result Summary

			Parameters									
			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	Acetone (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (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 (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	**0.08**	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03 [1]**	**21.8 [1]**	**9.7E-03**	**0.027**	**7.06 [1]**	**1.04 [1]**	1.9E-03	**0.188 [1]**	**0.78**
SAMPLE ID	**DATE SAMPLED**	**METHOD**											
EP-1	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.41	<0.04	<0.04	<0.1	0.32	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	0.61	<0.04	<0.04	0.11	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	1.4	<0.04	<0.04	0.18	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	1.8	<0.04	<0.04	0.2	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	**0.016**	<0.005	**0.016**	0.73	**0.044**	**0.07**	0.086	<0.05	<0.005	<0.005	<0.005
	4/20/2010	8260B	5.5E-03	1.8E-03	**0.011**	1.7	**0.027**	**0.045**	0.1	<0.01	<0.01	<0.01	<0.01
	6/17/2009	8260B	**0.023**	7.4E-03	**0.012**	0.46	**0.054**	**0.054**	<0.05	<0.05	<0.005	<0.005	<0.005
	12/2/2008	8260B	**0.13**	0.046	**0.074**	1.0	**0.14**	**0.22**	0.094	<0.05	<0.005	<0.005	0.021
	9/9/2008	8260B	**0.027**	9.5E-03	**0.033**	1.6	**0.062**	**0.088**	0.15	0.039	<0.001	<0.001	8.7E-03
	6/17/2008	8260B	**0.017**	4.4E-03	**0.031**	1.6	**0.072**	**0.3**	0.19	0.011	<0.005	<0.005	5.5E-03
	3/11/2008	8260B	**0.038**	**0.11**	**0.2**	1.4	**0.28**	**0.39**	0.16	<0.05	<0.005	<0.005	0.046
EP-2	10/15/2013	8260B	<0.01	<0.01	<0.02	0.6	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	4.6	<0.04	<0.04	0.47	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	2.4	<0.04	<0.04	0.38	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	0.43	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	0.51	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	0.12	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.005	<0.0058	<0.01	0.27	<0.02	<0.02	<0.05	<0.05	<0.005	<0.005	<0.005
	4/20/2010	8260B	4.6E-03	1.4E-03	**0.01**	0.15	**0.032**	**0.052**	<0.01	0.021	<0.01	<0.01	<0.01
	6/17/2009	8260B	**0.026**	8.5E-03	**0.012**	0.56	**0.078**	**0.078**	0.05	0.057	<0.005	<0.005	5.4E-03
	12/2/2008	8260B	**0.028**	9.7E-03	**0.016**	0.65	**0.037**	**0.053**	0.072	0.026	<0.005	<0.005	4.1E-03
	9/9/2008	8260B	6.4E-03	2.1E-03	**6.4E-03**	0.36	**0.016**	0.023	0.035	0.025	<0.001	<0.001	2.5E-03
	6/17/2008	8260B	0.015	<0.01	**0.014**	0.64	**0.033**	**0.05**	0.08	<0.001	<0.001	<0.001	0.009
	3/11/2008	8260B	0.012	3.2E-03	**0.02**	1.7	**0.034**	**0.049**	0.12	0.018	<0.001	<0.001	1.4E-03
EP-3	10/15/2013	8260B	<0.01	<0.01	<0.02	0.16	<0.04	<0.04	<0.1	<0.01	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	0.2	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.24	<0.04	<0.04	<0.1	0.38	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	0.21	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	0.11	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8206B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	0.13	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.005	<0.005	<0.1	0.22	<0.02	<0.02	<0.05	<0.05	<0.005	<0.005	<0.005
	4/20/2010	8260B	<0.001	<0.001	**2.3E-03**	0.21	7.6E-03	0.012	0.014	0.043	<0.001	<0.001	<0.001
	6/17/2009	8260B	1.8E-03	<0.01	<0.01	0.047	6.3E-03	6.1E-03	<0.01	<0.01	<0.001	<0.001	<0.001
	12/2/2008	8260B	**0.018**	6.5E-03	**0.011**	0.67	**0.024**	**0.035**	0.064	0.028	<0.001	<0.001	2.4E-03
	9/9/2008	8260B	<0.01	<0.01	<0.02	0.11	<0.04	<0.04	<1.0	<1.0	<0.1	<0.1	<0.1
	6/17/2008	8260B	0.002	<0.01	**0.003**	0.16	**0.015**	0.023	0.018	0.01	<0.1	<0.1	<0.1
	3/11/2008	8260B	4.3E-03	0.001	**8.7E-03**	0.92	**0.02**	**0.028**	0.064	0.045	<0.001	<0.001	<0.001

8.14.5 EVAPORATION PONDS (EP-1 thru EP-12B)

Volatile Organic Compound Analytical Result Summary

			Parameters									
			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	Acetone (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (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 (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	**0.08**	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03 [1]**	**21.8 [1]**	**9.7E-03**	**0.027**	**7.06 [1]**	**1.04 [1]**	1.9E-03	**0.188 [1]**	**0.78**
SAMPLE ID	**DATE SAMPLED**	**METHOD**											
EP-4	10/15/2013	8260B	<0.01	<0.01	<0.02	0.12	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	0.12	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.13	<0.04	<0.04	<0.1	0.78	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	0.11	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	0.12	<0.04	<0.04	<0.1	0.14	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	0.1	<0.004	<0.004	0.011	<0.01	<0.001	<0.001	<0.001
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.19	0.005	7.3E-03	0.014	0.041	<0.001	<0.001	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.02	0.04	<0.04	<0.04	<0.01	<0.01	<0.001	<0.001	<0.001
	12/2/2008	8260B	0.013	4.8E-03	**7.5E-03**	0.6	**0.014**	0.021	0.043	0.034	<0.001	<0.001	2.3E-03
	9/9/2008	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01
	6/17/2008	8260B	<0.01	<0.01	<0.02	0.059	<0.04	<0.04	<0.1	0.05	<0.01	<0.01	<0.01
	3/11/2008	8260B	2.8E-03	<0.01	**6.6E-03**	0.8	**0.015**	0.022	0.042	0.063	<0.001	<0.001	<0.001
EP-5	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	0.11	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	**1.3**	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	0.15	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	0.045	<0.004	<0.004	<0.1	<0.1	<0.01	<0.01	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.13	<0.004	4.6E-03	0.011	0.047	<0.001	<0.001	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.02	0.031	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	12/2/2008	8260B	**0.048**	0.019	**2.5E-03**	0.2	6.1E-03	8.9E-03	0.016	0.015	<0.01	<0.01	1.1E-03
	9/9/2008	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01
	6/17/2008	8260B	<0.01	<0.01	<0.02	0.046	<0.04	<0.04	<0.1	0.033	<0.01	<0.01	<0.01
	3/11/2008	8260B	1.5E-03	<0.001	**3.7E-03**	0.19	**0.011**	0.017	0.023	0.097	<0.01	<0.01	<0.01
EP-6	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	0.11	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.001	<0.001	<0.002	<0.01	<0.004	<0.004	<0.01	<0.01	<0.001	<0.003	<0.001
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	0.02	<0.004	<0.004	<0.1	<0.1	<0.01	<0.01	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.044	<0.004	<0.004	<0.1	<0.1	<0.001	<0.001	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.002	<0.01	<0.004	<0.004	<0.1	<0.1	<0.001	<0.001	<0.001
	12/2/2008	8260B	0.001	<0.001	<0.002	<0.01	<0.04	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01
	9/9/2008	8260B	<0.001	<0.001	<0.002	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01
	6/17/2008	8260B	<0.001	<0.001	<0.002	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01
	3/11/2008	8260B	0.002	<0.001	**0.004**	0.64	**0.015**	0.02	0.032	0.04	<0.01	<0.01	<0.01
EP-7	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03

8.14.5 EVAPORATION PONDS (EP-1 thru EP-12B)

Volatile Organic Compound Analytical Result Summary

			Parameters									
			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	Acetone (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (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 (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	**0.08**	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03 [1]**	**21.8 [1]**	**9.7E-03**	**0.027**	**7.06 [1]**	**1.04 [1]**	1.9E-03	**0.188 [1]**	**0.78**
SAMPLE ID	**DATE SAMPLED**	**METHOD**											
EP-7	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	0.061	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.023	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	6/17/2009	8260B	1.1E-03	<0.001	<0.02	0.034	<0.04	<0.04	<0.01	<0.01	<0.001	<0.001	<0.001
	12/2/2008	8260B	1.3E-03	<0.001	<0.02	0.017	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
	9/9/2008	8260B	<0.01	<0.01	<0.02	<0.02	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
	6/17/2008	8260B	1.2E-03	<0.001	<0.02	0.049	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
	3/11/2008	8260B	<0.001	<0.001	<0.02	0.034	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
EP-8	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.1	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.1	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.1	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	0.066	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.038	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.002	0.099	<0.004	<0.004	<0.01	<0.01	<0.001	1.4E-03	<0.001
	12/2/2008	8260B	<0.001	<0.001	<0.002	<0.1	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	9/9/2008	8260B	<0.001	<0.001	<0.002	<0.1	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	6/17/2008	8260B	1.1E-03	<0.001	<0.002	0.12	<0.004	<0.004	0.014	<0.01	1.4E-03	<0.001	<0.001
	3/11/2008	8260B	<0.001	<0.001	<0.002	0.024	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.001
EP-9 [2]	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.015	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
EP-11 [2]	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.12	<0.04	<0.04	<0.1	0.59	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.03	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.039	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
EP-12A[2]	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03

8.14.5 EVAPORATION PONDS (EP-1 thru EP-12B)

Volatile Organic Compound Analytical Result Summary

			Parameters									
			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	Acetone (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (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 (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	**0.08**	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03 [1]**	**21.8 [1]**	**9.7E-03**	**0.027**	**7.06 [1]**	**1.04 [1]**	1.9E-03	**0.188 [1]**	**0.78**
SAMPLE ID	**DATE SAMPLED**	**METHOD**											
EP-12A [2]	5/28/2013	8260B	<0.01	<0.01	<0.02	0.17	<0.04	<0.04	<0.1	0.14	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.15	<0.04	<0.04	<0.1	0.61	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	0.16	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	0.1	<0.01	<0.03	<0.01
	4/20/2011	8260B	<0.001	<0.001	<0.002	0.13	<0.004	<0.004	0.011	0.034	<0.001	<0.001	<0.001
EP-12B [2]	10/15/2013	8260B	<0.01	<0.01	<0.02	0.28	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	0.53	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.24	<0.04	<0.04	<0.1	0.47	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	0.16	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	0.18	<0.04	<0.04	<0.1	0.17	<0.01	<0.03	<0.01
	4/20/2011	8260B	1.6E-03	<0.001	**3.4E-03**	0.3	**0.012**	0.019	0.025	0.035	<0.001	<0.001	<0.001

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 (Nov 2011)
1) NMED Tap Water (Jun 2012)

NOTES:

2) Unapproved monitoring schedule was used at the beginning of 2010 which included the addition of evaporation ponds 9, 11, 12A and 12B.

8.14.6 EVAPORATION PONDS (EP-1 thru EP-12B)

Semi Volatile Organic Compound Analytical Result Summary

			Parameters														
			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 (APR 2014)			NE	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.012	58	1.5	0.048	NE	0.73 [1]	1.46 [1]	0.027	0.72	NE	1.43E-03 [1]	NE	1.1 [1]	4.5	1.1 [1]	0.015
SAMPLE ID	SAMPLE DATE	METHOD																
EP-1	10/15/2013	8270C	<0.01	<0.04	<0.01	<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
	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 [2]	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	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	0.42	<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 [2]	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	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	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	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		
	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		
	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	<0.5	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		
	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		
	4/20/2010 [2]	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		
EP-4	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	0.67		
	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		
	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	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	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	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		
	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		
	4/20/2010 [2]	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		
EP-5	10/15/2013	8270C	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.16	0.26	<0.05	<0.05	<0.05	0.54		
	5/28/2013	8270C	0.032	<0.04	<0.02	<0.02	<0.02	0.084	<0.02	<0.02	0.46	0.93	<0.02	<0.02	<0.02	1.2		
	11/6/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	0.074	<0.05	<0.05	0.27	0.4	<0.05	<0.05	<0.05	0.9		
	5/29/2012	8270C	0.057	<0.1	<0.05	<005	<0.05	<0.05	<0.05	<0.05	0.82	1.1	<0.05	<0.05	<0.05	2.7		
	11/1/2011	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	0.089	<0.05	<0.05	<0.05	0.052		
	5/23/2011	8270C	0.11	<0.02	<0.01	<0.01	<0.01	0.22	<0.01	<0.01	1.1	2.6	<0.01	<0.01	<0.01	1.8		
	11/16/2010	8270C	0.12	<0.1	<0.05	<005	<0.05	0.09	<0.05	<0.05	0.6	1.1	<0.05	<0.05	<0.05	1.2		
	4/20/2010 [2]	8270C	0.17	<0.1	<0.05	<0.05	<0.05	0.074	<0.05	<0.05	0.64	1.0	<0.05	<0.05	<0.05	2.2		
EP-6	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	5/28/2013	8270C	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.26	0.23	<0.1	<0.1	<0.1	0.14		
	11/6/2012	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		

8.14.6 EVAPORATION PONDS (EP-1 thru EP-12B)

Semi Volatile Organic Compound Analytical Result Summary

			Parameters														
			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 (APR 2014)			NE	NE	NE	**0.006**	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.012**	**58**	**1.5**	0.048	NE	**0.73** [1]	**1.46** [1]	**0.027**	**0.72**	NE	**1.43E-03** [1]	NE	**1.1** [1]	4.5	**1.1** [1]	**0.015**
SAMPLE ID	**SAMPLE DATE**	**METHOD**																
EP-6	5/29/2012	8270C	**0.036**	<0.02	<0.01	<0.01	<0.01	0.034	<0.01	<0.01	0.43	0.41	<0.01	<0.01	<0.01	**0.72**		
	11/1/2011	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		
	5/23/2011	8270C	**0.069**	<0.02	<0.01	**0.019**	<0.01	0.11	<0.01	<0.01	0.56	1.1	<0.01	<0.01	<0.01	**1.3**		
	11/16/2010	8270C	<0.01	<0.02	<0.01	**0.011**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.032**		
	4/20/2010 [2]	8270C	**0.081**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	0.44	<0.05	<0.05	<0.05	**0.38**		
EP-7	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<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		
	11/6/2012	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		
	5/29/2012	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		
	11/1/2011	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.018	<0.01	<0.01	<0.01	**0.04**		
	5/23/2011	8270C	<0.01	<0.02	<0.01	**0.019**	<0.01	<0.01	<0.01	<0.01	<0.01	0.045	<0.01	<0.01	<0.01	**0.17**		
	11/16/2010	8270C	<0.01	<0.02	<0.01	**0.011**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	4/20/2010 [2]	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		
EP-8	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	5/28/2013	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		
	11/6/2012	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		
	5/29/2012	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		
	11/1/2011	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		
	5/23/2011	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		
	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		
	4/20/2010 [2]	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		
EP-9 [2]	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<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		
	11/6/2012	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		
	5/29/2012	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	0.12	<0.01	<0.01	<0.01	**0.23**		
	11/1/2011	8270C	<0.02	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		
	5/23/2011	8270C	<0.02	<0.04	<0.02	**0.022**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		
	11/16/2010	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		
	4/20/2010	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		
EP-11 [2]	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	5/28/2013	8270C	<0.02	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		
	11/6/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	0.33	<0.05	<0.05	<0.05	**0.68**		
	5/29/2012	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		
	11/1/2011	8270C	**0.067**	<0.1	<0.05	<0.05	<0.05	0.055	<0.05	<0.05	0.46	0.75	<0.05	<0.05	<0.05	**1.3**		
	5/23/2011	8270C	<0.01	<0.02	<0.01	**0.017**	<0.01	0.065	<0.01	<0.01	0.42	1.1	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	4/20/2010	8270C	<0.01	<0.02	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
EP-12A [2]	10/15/2013	8270C	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	0.16	<0.05	<0.05	<0.05	**0.35**		
	5/28/2013	8270C	**0.031**	<0.01	<0.01	<0.01	<0.01	0.11	<0.01	<0.01	0.56	1.3	<0.01	<0.01	<0.01	**2.0**		
	11/6/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.15	0.21	<0.05	<0.05	<0.05	**0.46**		
	5/29/2012	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		
	11/1/2011	8270C	**0.16**	<0.1	<0.05	<0.05	<0.05	0.15	<0.05	<0.05	**0.94**	1.3	<0.05	<0.05	<0.05	**2.7**		
	5/23/2011	8270C	**0.14**	<0.02	<0.01	<0.01	<0.01	0.19	<0.01	<0.01	**1.2**	2.7	<0.01	<0.01	<0.01	**3.6**		
	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		

8.14.6 EVAPORATION PONDS (EP-1 thru EP-12B)

Semi Volatile Organic Compound Analytical Result Summary

			Parameters														
			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 (APR 2014)			NE	NE	NE	**0.006**	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.012**	**58**	**1.5**	0.048	NE	**0.73** [1]	**1.46** [1]	**0.027**	**0.72**	NE	**1.43E-03** [1]	NE	**1.1** [1]	4.5	**1.1** [1]	**0.015**
SAMPLE ID	**SAMPLE DATE**	**METHOD**																
	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**		
EP-12B [2]	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

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

1) NMED Tap Water (JUN 2012)

NOTES

2) Used the unapproved Facility Wide Ground Water Monitoring Plan (FWGWMP) sampling guidelines for the first quarter of 2010 which included the addition of evaporation ponds 9, 11, 12A and 12B.

8.15 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	**0.2[1]**	NE	NE	**1000**
40 CFR 141.62 MCL (APR 2014)			**0.005**	1.0	**0.7**	10	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125 [2]**	NE	NE	NE	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**									
EP-2 Inlet	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 [4]	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**
	6/17/2009	8260B/8015B	3.9E-03	0.02	4.2E-03	0.037	<0.001	**23**	2.0		**2600**
	8/21/2008	8260B/8015B	<0.01	0.026	0.014	0.1	<0.01	**290**	10		**2000**
	1/1/2008 [3]	8260B/8015B	**0.13**	0.26	0.044	0.26	5.2E-03	**150**	2.6		**2200**

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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
1) NMED Table 6-2 (Unknown oil), TPH Screening Guidelines for Potable Ground Water (GW-1) (JUN 2012).
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table
2) NMED Tap Water (JUN 2012)

NOTES
3) Due to inclement weather in December 2007, samples were collected in January 2008.
4) Sample taken from inlet from STP-1. No flow to aeration lagoons - diverted to Waste Water Treatment Plant.

8.15.1 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		
EP-2 Inlet	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
NL = Not listed on laboratory analysis
Bold and highlighted values represent values above the applicable standards

STANDARDS

20 NMAC 6.2.2101 - General Requirements

NOTES:

1) Sample taken from inlet from STP-1. No flow to aeration lagoons - diverted to Waste Water Treatment Plant.

8.15.2 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)
WQCC 20NMAC 6.2.3103 (mg/L)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03 [1]**	**9.7E-03**	**0.027**	**21.8 [1]**	**7.06 [1]**	**1.04 [1]**	**0.679 [1]**	**NE**	**0.78**	**0.53**	**NE**
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
EP-2 Inlet	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 [3]	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
	6/17/2009	8260B	**0.025**	8.2E-03	**0.011**	**0.057**	**0.061**	0.5	0.046	0.011	<0.001	<0.001	4.4E-03	1.8E-03	<0.001
	8/21/2008	8260B	**0.11**	0.035	**0.02**	**0.3**	**0.34**	1.2	0.14	<.1	<0.01	<0.01	0.029	0.013	<0.001
	1/1/2008 [2]	8260B	**0.17**	0.047	**0.25**	**0.46**	**0.75**	<0.05	<0.05	0.14	6.3E-03	0.007	0.044	0.019	7.1E-03

DEFINITIONS
NE = Not established
NA = Not analyzed
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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
1) NMED Tap Water (JUN 2012)

NOTES

2) Due to inclement weather in December 2007, samples were taken in January 2008.

3) Sample taken from inlet from STP-1. No flow to aeration lagoons - diverted to Waste Water Treatment Plant.

8.16 BOILER WATER TO EP-2 (BW to EP-2)

General Chemistry and Total Recoverable Metals 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)	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**	**6.6 - 8.6 [1]**	NE	**NE**	**NE**	**NE**	**NE**
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1**	10	NE	NE	NE	NE	**NE**	**NE**	**NE**	**NE**
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	**NE**	**NE**	**NE**	**NE**
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
BW to EP-2	10/15/2013	300.0/200.7	0.55	64	0.24	<1.0	<1.0	<10	**1900**	NA	NA	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**	NA	NA	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**	NA	NA	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**	NA	NA	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**	NA	NA	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**	NA	NA	3.7	<1.0	2.8	1000
	11/16/2010	300.0/6010B	<0.2	**53000**	<5.0	<200	<200	<25	**1200**	NA	NA	1600	250	130	26000
	6/28/2010	300.0/6010B	0.27	71	<0.1	<0.1	<0.1	<0.5	500	7.89	1600	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**	NA	NA	2.5	<1.0	15	970
	10/27/2009	300.0/6010B	0.39	37	1.3	0.12	0.12	<0.5	**630**	8.35	1900	0.8	<0.5	4.6	480
	5/6/2009	300.0/6010B	0.9	45	0.24	<1.0	0.65	<0.5	**1500**	8.01	4200	1.1	<0.5	4.9	1200
	6/17/2008	300.0/6010B	1.3	6.7	NL	<0.1	<1.0	<0.5	**2600**	7.9	6500	1.9	<0.5	15	1900

DEFINITIONS
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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
1) 20 NMAC 6.2.2101 General Requirements
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES

8.17 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)
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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
SAMPLE ID	**DATE SAMPLED**	**METHOD**					
AL-2 to EP-1 [2]	6/13/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/19/2013	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	11/28/2012	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	8/21/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	6/12/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	3/20/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	12/14/2011	8260B	<0.005	<0.005	<0.005	8.7E-03	<0.005
	9/28/2011	8260B	**6.1E-03**	0.013	<0.005	<0.0075	<0.005
	6/15/2011	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	3/8/2011	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	11/3/2010	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	9/13/2010	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	6/8/2010	8260B	<0.01	<0.01	<0.01	<0.0015	<0.01
	3/9/2010	8260B	<0.005	0.011	<0.005	0.013	<0.005
	11/10/2009	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	8/19/2009	8260B	<0.005	4.4E-03	1.4E-03	0.011	<0.005
	5/26/2009	8260B	<0.005	<0.005	<0.005	7.3E-03	<0.005
	3/31/2009	8260B	<0.005	<0.005	<0.005	0.03	<0.005
	12/2/2008	8260B	**0.012**	0.085	0.028	0.021	<0.005
	9/9/2008	8260B	<0.02	<0.02	<0.02	<0.03	<0.02
	6/17/2008	8260B	<0.005	<0.005	<0.005	<0.005	<0.005
	3/10/2008	8260B	**0.19**	0.46	0.099	**0.68**	<0.01
Pilot Effluent [2]	6/13/2013	8260B	<0.001	1.7E-03	<0.001	<0.0015	<0.001
	3/19/2013	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	12/5/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	8/21/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	6/12/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	3/20/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	12/14/2011	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	9/29/2011	8260B	<0.005	8.4E-03	<0.005	<0.0075	<0.005
	6/16/2011	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	3/9/2011	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	11/3/2010	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	9/16/2010	8260B	<0.001	<0.001	<0.001	<0.003	<0.0015
	6/28/2010	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	3/10/2010	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	11/10/2009	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	8/19/2009	8260B	<0.005	3.8E-03	<0.005	<0.0075	<0.005
	5/27/2009	8260B	<0.005	4.5E-03	<0.005	<0.0075	<0.005
	3/31/2009	8260B	<0.005	6.8E-03	<0.005	<0.0075	<0.005
	12/2/2008	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	9/9/2008	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	6/17/2008	8260B	<0.001	6.2E-03	<0.001	<0.0015	<0.001
	3/11/2008	8260B	<0.001	1.5E-03	<0.001	<0.0015	<0.00

8.17 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)
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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
SAMPLE ID	**DATE SAMPLED**	**METHOD**					
NAPIS Effluent [2]	6/12/2012	8260B	**8.9**	**14**	**1.4**	**8.4**	<0.1
	3/21/2012	8260B	**11**	**20**	**1.3**	**7.8**	<0.1
	12/14/2011	8260B	**19**	**20**	**1.4**	**8.9**	<0.1
	9/28/2011	8260B	**17**	**31**	**2.1**	**13**	<0.1
	6/15/2011	8260B	**8.9**	**21**	**2.0**	**12**	<0.1
	3/8/2011	8260B	**8.1**	**13**	**0.89**	**5.2**	<0.1
	11/3/2010	8260B	**4.2**	**12**	**1.5**	**8.4**	<0.1
	9/13/2010	8260B	**12**	**30**	**2.8**	**17**	<0.1
	6/8/2010	8260B	**1.5**	**6.0**	0.67	**3.8**	<0.05
	3/9/2010	8260B	**13**	**26**	**2.7**	**14**	<0.05
	11/10/2009	8260B	**5.9**	**16**	**1.6**	**9.4**	<0.05
	8/19/2009	8260B	**2.6**	**7.1**	**0.71**	**4.2**	<0.05
	5/26/2009	8260B	**4.1**	**14**	**1.6**	**10**	<0.05
	3/31/2009	8260B	**2.6**	**7.4**	0.54	**3.5**	<0.05
	12/2/2008	8260B	**1.4**	**3.3**	0.36	**1.9**	<0.05
	9/9/2008	8260B	**0.36**	0.39	0.028	0.2	<0.05
	6/17/2008	8260B	**0.84**	**1.5**	0.14	**0.89**	<0.1
	3/10/2008	8260B	**0.47**	0.73	0.15	**0.97**	<0.05

NOTES
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
1) NMED Tap Water (JUN 2012)

NOTES
2. No flow to aeration lagoons. Effluent is now going into the new Waste Water Treatment Plant (WWTP).

8.17.1 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)
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)	DRO (mg/L)	GRO (mg/L)	MRO [3] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6.6 to 8.6 [1]**	NE	**0.2 [2]**	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
AL-2 to EP-1 [4]	6/12/2013	300.0/8015B	**4.8**	NA	<1.0	<1.0	<1.0	<5.0	**1000**	NA	NA	**6.0**	<0.25	<5.0
	3/19/2013	300.0/8015B	**2.6**	**800**	<1.0	<1.0	<1.0	**5.2**	**750**	NA	NA	<1.0	<0.25	<5.0
	11/28/2012	300.0/8015B	**4.5**	**380**	<0.5	<0.5	<0.5	<2.5	**740**	NA	NA	**7.8**	<0.25	<5.0
	8/21/2012	300.0/8015B	**8.0**	**490**	<0.5	<0.5	<0.5	<2.5	**960**	NA	NA	**2.8**	<0.5	<5.0
	6/12/2012	300.0/8015B	**58**	**950**	1.6	<1.0	<1.0	<5.0	**1200**	NA	NA	**9.0**	<0.5	<5.0
	3/20/2012	300.0/8015B	**57**	**2200**	5.0	1.2	<1.0	<5.0	**780**	NA	NA	**15**	<0.5	<5.0
	12/14/2011	300.0/8015B	**41**	**2900**	2.5	**10**	10	<5.0	**890**	NA	NA	**9.8**	0.3	<5.0
	9/28/2011	300.0/8015B	**30**	**3100**	1.5	**63**	**63**	<5.0	**1600**	NA	NA	**23**	1.1	<50
	6/15/2011	300.0/8015B	**150**	**250**	<2.0	<1.0	1.9	<5.0	**1200**	NA	NA	**10**	1.7	<5.0
	3/8/2011	300.0/8015B	**280**	**320**	1.4	<4.0	<4.0	<2.5	**920**	NA	NA	**9.9**	0.3	<15
	11/3/2010	300.0/8015B	**77**	230	NL	<2.0	4	<10	**880**	NA	NA	**98**	0.36	
	9/13/2010	300.0/8015B	**60**	240	NL	1.2	<1.0	<10	**1300**	NA	NA	**9.1**	0.51	
	6/8/2010	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**66**	0.56	
	3/9/2010	300.0/8015B	**130**	**280**	1.6	7.4	7.4	<5.0	**870**	NA	NA	**190**	<1.0	
	11/10/2009	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**49**	0.48	
	8/19/2009	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**41**	<5.0	
	5/26/2009	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	0.15	
	3/31/2009	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**76**	0.63	
	12/2/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**160**	<5.0	
	9/9/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**44**	<5.0	
	6/17/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**140**	1.4	
	3/10/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**24**	1.7	
Pilot Effluent [4]	6/13/2013	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	<0.25	14
	3/19/2013	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.3**	<0.25	<5.0
	12/5/2012	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<0.05	NA
	8/21/2012	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.5**	<0.5	<5.0
	6/12/2012	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.6**	<0.5	5.1
	3/20/2012	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.7**	<0.5	<5.0
	12/14/2011	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.8**	<0.25	<5.0
	9/29/2011	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.3**	<0.25	<5.0
	6/16/2011	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.4**	<0.05	<5.0
	3/9/2011	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.0**	<0.25	<5.0
	11/3/2010	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15**	0.065	
	9/16/2010	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.3**	<0.05	
	6/28/2010	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**19**	<0.25	
	3/10/2010	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**28**	<0.25	

8.17.1 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)
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)	DRO (mg/L)	GRO (mg/L)	MRO [3] (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6.6 to 8.6 [1]**	NE	**0.2 [2]**	NE	NE
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
Pilot Effluent [4]	11/10/2009	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.3**	<0.25	
	8/19/2009	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	<0.5	
	5/27/2009	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.8**	<0.05	
	3/31/2009	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9.0**	<0.25	
	12/2/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**	<0.5	
	9/9/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.3**	<1.0	
	6/17/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.4**	0.078	
	3/10/2008	8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	<0.05	
NAPIS Effluent [4]	6/12/2012	300.0/8015B	**46**	**430**	1.5	<1.0	<1.0	<5.0	**960**	8.4	4300	**98**	130	8.4
	3/21/2012	300.0/8015B	**220**	**700**	4.6	<1.0	2.1	<5.0	470	**8.9**	5100	**23**	120	<5.0
	12/14/2011	300.0/8015B	**94**	**880**	3.3	**18**	**18**	<5.0	**790**	**9.4**	6000	**140**	150	<25
	9/28/2011	300.0/8015B	**13**	**900**	<2.0	**110**	**110**	<10	**1300**	**9.57**	6200	**9.9**	150	<5.0
	6/15/2011	300.0/8015B	**57**	**280**	<2.0	5.0	10	<10	**1200**	**9.09**	4700	**13**	99	<15
	3/8/2011	300.0/8015B	**160**	**360**	2.6	<1.0	<1.0	<2.5	**920**	6.95	5800	**23**	71	<15
	11/3/2010	300.0/8015B	**410**	240	NA	<2.0	**11**	<10	**820**	NA	NA	**68**	62	
	9/13/2010	300.0/8015B	**20**	**260**	NA	<2.0	6.3	<10	**1300**	NA	3600	**39**	150	
	6/8/2010	300.0/8015B	**37**	230	1.6	4.2	4.2	<5.0	**880**	**9.04**	3600	**150**	58	
	3/9/2010	300.0/8015B	**43**	**290**	1.1	5.5	5.5	<2.5	**610**	NA	NA	**99**	120	
	11/10/2009	300.0/8015B	**86**	**460**	5.4		<	**36**	450	**8.9**	3600	**130**	84	
	8/19/2009	300.0/8015B	**31**	170	NA	**13**	**13**	<2.5	**1100**	**9.21**	4000	**31**	37	
	5/26/2009	300.0/8015B	**73**	120	NA	3.1	3.1	**2.5**	**620**	8.29	2600	**110**	61	
	3/31/2009	300.0/8015B	**20**	140	NA	3.1	3.1	<2.5	350	**9.12**	2300	**880**	48	
	12/2/2008	300.0/8015B	**12**	160	NA	<1.0	1.2	<5.0	510	**8.63**	2200	**68**	20	
	9/9/2008	300.0/8015B	**11**	78	NA	0.8	1.8	**14**	440	**9.44**	3300	**35**	<10	
	6/17/2008	300.0/8015B	**19**	93	NA	<1.0	3.4	**37**	**630**	**9.07**	4600	**44**	11	
	3/10/2008	300.0/8015B	**69**	**480**	NA	<5.0	<5.0	<25	**570**	**9.14**	2800	**290**	11	

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.
1) 20NMAC 6.2.2101 General Requirements
2) NMED Table 6-2 (Unknown Oil). TPH Screening Guidelines for Potable Ground Water (GW-1). (JUN 2012)
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES
3) Per NMED "Approval with Modifications Annual Ground Water Monitoring Report 2010, Rev. 1", dated 12/12/12, Comment 7(a) added MRO to data tables.
4) No samples collected effluent is now going into the new Waste Water Treatment Plant (WWTP).

8.17.2 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)
BOD/COD Analytical Result Summary

			Parameters	
			BOD (mg/L)	COD (mg/L)
WQCC 20NMAC 6.2.3103			<30 [1]	<125 [1]
SAMPLE ID	DATE SAMPLED	METHOD		
Pilot Effluent [2]	6/13/2013	SM5210B/410.4	**750**	**1200**
	3/19/2013	SM5210B/410.4	**300**	**770**
	12/5/2012	SM5210B/410.4	**180**	**340**
	8/21/2012	SM5210B/410.4	**300**	**650**
	6/12/2012	SM5210B/410.4	**270**	**690**
	3/20/2012	SM5210B/410.4	**130**	**350**
	12/14/2011	SM5210B/410.4	**260**	**673**
	9/29/2011	SM5210B/410.4	**360**	**378**
	6/16/2011	SM5210B/410.4	**370**	**638**
	3/9/2011	SM5210B/410.4	**590**	**870**
	11/3/2010	SM5210B/410.4	**270**	**900**
	9/20/2010	SM5210B/410.4	**420**	**1500**
	6/28/2010	SM5210B/410.4	**400**	**462**
	3/10/2010	SM5210B/410.4	**196**	**455**
	11/10/2009	SM5210B/410.4	NA	**410**
	8/19/2009	SM5210B/410.4	**905**	**712**
	5/27/2009	SM5210B/410.4	**442**	**431**
	3/31/2009	SM5210B/410.4	**1519**	**422**
	12/2/2008	SM5210B/410.4	**642**	**336**
	9/9/2008	SM5210B/410.4	**375**	**795**
	6/17/2008	SM5210B/410.4	**399**	**699**
	3/11/2008	SM5210B/410.4	**618**	**824**
AL-2 to EP-1 [2]	6/13/2013	SM5210B/410.4	**130**	**500**

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.
1) 20 NMAC 6.2.2101 General Requirements

NOTES:
2) No samples collected effluent is now going into the new Waste Water Treatment Plant (WWTP).

8.17.3 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
AL-2 to EP-1 [1]	6/13/2013	200.7/200.8	**0.012**	0.58	<0.002	0.04	0.25	**13**	0.013	**0.22**	7.9E-03	**6.2E-03**	1.9E-03	1.2
	3/19/2013	200.7/200.8	5.2E-03	0.029	<0.002	<0.006	0.014	0.68	<0.005	0.099	<0.0025	<0.0002	<0.0025	0.066
	11/28/2012	200.7/200.8	4.5E-03	0.024	<0.002	<0.006	<0.006	0.37	<0.005	0.068	<0.0025	<0.0002	<0.0025	0.023
	8/21/2012	200.7/200.8	0.005	0.036	<0.002	<0.006	8.6E-03	0.4	<0.005	0.061	3.7E-03	<0.0002	<0.0025	0.066
	6/12/2012	200.7/200.8	8.8E-03	<0.002	<0.002	<0.006	<0.006	<0.02	<0.005	<0.002	0.025	**0.025**	<0.0025	<0.01
	3/20/2012	200.7/200.8	**0.02**	0.29	<0.002	0.021	0.026	**12**	<0.005	**0.3**	0.021	**4.6E-03**	4.9E-03	0.35
	12/14/2011	200.7/200.8	**0.017**	0.19	<0.002	0.019	0.028	**13**	<0.005	0.14	0.01	**0.02**	6.7E-03	0.24
	9/28/2011	200.7/200.8	0.01	0.099	<0.002	0.014	0.028	**6.1**	<0.005	0.079	0.02	**2.4E-03**	<0.005	0.25
	6/15/2011	200.7/200.8	**0.017**	0.09	<0.002	0.027	0.017	**13**	<0.005	**0.22**	0.019	1.1E-03	<0.0025	0.59
	3/8/2011	200.7/200.8	**0.013**	0.055	<0.002	0.025	7.7E-03	**5.7**	<0.005	0.2	<0.05	2.9E-04	<0.0025	0.18
	11/3/2010	6010B	<0.02	0.077	<0.002	0.02	8.6E-03	**11**	<0.005	0.14	<0.05	4.6E-04	NL	0.55
	9/13/2010	6010B	<0.02	0.18	<0.002	**0.84**	0.023	**11**	<0.005	**0.247**	<0.05	1.1E-03	0.001	0.63
	6/8/2010	6010B	**0.023**	0.17	<0.002	0.014	0.025	**1.6**	6.3E-03	0.15	<0.05	8.2E-04	NL	0.33
	3/9/2010	6020A	9.6E-03	9.68E-02	<0.001	3.92E-02	3.74E-02	**19.6**	9.7E-03	**0.476**	1.5E-02	4.8E-04	1.67E-03	0.584
	11/10/2009	6010B	<0.1	0.056	<0.01	<0.03	<0.03	**1.9**	<0.025	0.12	<0.25	2.9E-04	NL	0.11
	8/21/2009	6010B	<0.1	0.055	<0.01	<0.03	<0.03	1.0	<0.025	0.093	<0.25	4.9E-04	0.002	0.3
	5/26/2009	6010B	<0.02	0.08	<0.002	<0.006	<0.006	**5.7**	7.3E-03	0.019	<0.05	<0.0002	<0.001	0.59
	3/31/2009	6010B	**0.024**	0.099	<0.002	0.016	NL	NL	6.4E-03	NL	<0.05	<0.0002	NL	NL
	12/2/2008	6010B	<0.02	0.2	<0.005	<0.01	<0.02	**6.8**	<0.005	**0.4**	0.034	4.8E-04	NL	0.59
	9/9/2008	6010B	<0.02	0.069	<0.002	7.2E-03	<0.006	**2.5**	<0.005	0.13	<0.05	<0.0002	<0.001	0.19
	6/17/2008	6010B	<0.02	0.14	<0.002	0.013	0.015	**9.0**	<0.005	0.13	<0.05	7.6E-04	NL	1.6
	3/10/2008	6010B	<0.02	0.017	<0.002	**0.1**	<0.006	**11**	<0.005	**1.4**	<0.05	<0.0002	**1.9**	1.9
Pilot Effluent [1]	6/13/2013	200.7/200.8	4.2E-03	0.064	<0.002	0.018	0.14	**3.1**	<0.01	0.11	2.7E-03	2.5E-04	<0.01	0.39
	3/19/2013	200.7/200.8	3.1E-03	0.052	<0.002	<0.006	0.072	**2.1**	<0.005	0.082	<0.0025	<0.0002	<0.0025	0.18
	12/5/2012	200.7/200.8	2.7E-03	0.018	<0.002	<0.006	0.031	0.23	<0.005	0.031	<0.0025	<0.0002	<0.0025	0.071
	8/21/2012	200.7/200.8	3.5E-03	0.023	<0.002	0.02	0.075	0.67	<0.005	0.041	<0.0025	<0.0002	<0.0025	0.23
	6/12/2012	200.7/200.8	2.7E-03	0.018	<0.002	<0.006	0.062	0.52	0.006	0.046	<0.0025	<0.0002	<0.0025	0.12
	3/20/2012	200.7/200.8	6.1E-03	0.022	<0.002	0.045	0.08	**1.1**	<0.005	0.035	5.7E-03	<0.0002	<0.0025	0.092
	12/14/2011	200.7/200.8	0.003	0.026	<0.002	0.023	0.043	0.87	<0.005	0.061	<0.0025	<0.0002	<0.0025	0.18
	9/29/2011	200.7/200.8	2.9E-03	0.024	<0.002	0.017	0.063	**1.5**	<0.005	0.12	<0.0025	<0.0002	<0.0025	0.12
	6/16/2011	200.7/200.8	2.8E-03	0.019	<0.002	0.006	0.048	0.43	<0.005	0.052	2.8E-03	<0.0002	<0.0025	0.12
	3/9/2011	200.7/200.8	3.6E-03	0.027	<0.002	<0.006	0.13	0.73	<0.005	0.063	<0.05	<0.0002	<0.0025	0.21
	11/3/2010	6010B	<0.02	<0.02	<0.002	<0.006	0.091	0.64	<0.005	0.055	<0.05	<0.0002	NL	0.18
	6/16/2010	6010B	<0.02	<0.1	<0.01	<0.03	<0.03	**3.2**	<0.025	0.14	<0.25	<0.0002	0.005	0.69
	6/28/2010	6010B	<0.02	<0.02	<0.002	<0.006	0.055	0.49	<0.005	0.058	<0.05	<0.0002	0.001	0.12
	3/10/2010	6010B	<0.02	<0.02	<0.002	<0.006	0.061	0.56	<0.005	0.049	<0.05	<0.0002	1.3E-03	0.14
	11/10/2009	6010B	<0.04	0.023	<0.004	<0.012	0.047	0.28	<0.01	0.041	<0.1	<0.0002	NL	0.058
	8/19/2009	6010B	<0.02	<0.05	<0.01	<0.03	0.063	0.44	<0.025	0.079	<0.25	<0.0002	0.001	0.15
	5/27/2009	6010B	<0.02	<0.01	<0.002	<0.006	0.034	0.33	<0.005	0.048	<0.05	<0.0002	<0.001	0.046
	3/31/2009	6010B	<0.02	0.033	<0.002	<0.006	0.031	0.72	<0.005	0.12	<0.05	<0.0002	0.001	0.098

8.17.3 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)

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 (APR 2014)			**0.01**	2.0	**0.005**	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**												
Pilot Effluent [1]	12/2/2008	6010B	<0.02	0.021	<0.005	0.01	0.4	0.36	<0.005	0.086	<0.02	<0.0002	NL	0.068
	9/9/2008	6010B	<0.02	0.017	<0.002	<0.006	0.21	0.49	<0.005	0.085	<0.05	<0.0002	<0.001	0.057
	3/10/2008	6010B	<0.02	0.022	<0.002	<0.006	0.018	0.35	<0.005	0.092	<0.5	<0.0002	<0.1	0.055
NAPIS Effluent [1]	6/12/2012	200.7/200.8	7.3E-03	0.28	<0.002	0.012	0.036	**11**	7.8E-03	0.14	6.9E-03	**4.6E-03**	<0.0025	0.49
	3/21/2012	200.7/200.8	**0.013**	0.1	<0.002	7.7E-03	0.006	**3.3**	<0.005	0.17	0.016	1.7E-03	<0.0025	0.047
	12/14/2011	200.7/200.8	**0.012**	0.24	<0.002	0.02	0.037	**19**	<0.005	**0.21**	0.01	**9.9E-03**	5.2E-03	0.3
	9/28/2011	200.7/200.8	9.1E-03	0.056	<0.002	8.1E-03	0.03	**4.1**	<0.005	0.072	8.1E-03	**3.5E-03**	<0.0025	0.22
	6/15/2011	200.7/200.8	**0.013**	0.066	<0.002	0.035	7.6E-03	**41**	<0.005	**0.29**	0.014	7.5E-04	2.9E-03	0.91
	3/8/2011	200.7/200.8	**0.012**	0.12	<0.002	0.026	<0.006	**8.9**	<0.005	**0.21**	<0.05	5.4E-04	<0.0025	0.4
	11/3/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	**13**	<0.025	0.16	<0.25	6.0E-04	NL	0.32
	9/13/2010	6010B	<0.02	0.12	<0.002	0.16	0.014	**9.8**	<0.005	0.15	<0.05	4.1E-04	0.002	1.2
	6/8/2010	6010B	<0.02	0.072	<0.002	6.7E-03	0.012	**7.8**	<0.005	0.1	<0.05	1.4E-03	NL	0.11
	3/10/2010	6020A	6.22E-03	9.26E-02	<0.001	3.72E-02	2.23E-02	**11.1**	4.1E-03	**1.67**	1.55E-02	8.63E-04	1.1E-03	0.206
	11/10/2009	6010B	<0.1	0.77	<0.01	0.035	0.053	**19**	**0.029**	0.15	<0.25	5.5E-04	NL	0.47
	8/19/2009	6010B	<0.01	<0.05	<0.01	<0.03	<0.03	**13**	<0.025	0.06	<0.25	<0.0002	0.002	0.16
	5/26/2009	6010B	<0.02	0.09	<0.002	0.011	0.023	**4.1**	6.3E-03	0.17	<0.05	**0.009**	<0.001	0.34
	3/31/2009	6010B	<0.02	0.069	<0.002	<0.006	0.054	**1.7**	<0.005	0.056	<0.05	3.0E-04	<0.001	0.26
	12/2/2008	6010B	<0.02	0.11	<0.005	<0.01	<0.02	**1.8**	<0.005	0.17	<0.02	2.6E-04	<0.001	0.23
	9/19/2008	6010B	<0.02	0.062	<0.002	<0.006	<0006	0.076	<0.005	0.057	**0.052**	<0.0002	<0.001	<0.02
	6/17/2008	6010B	<0.02	0.081	<0.002	<0.006	<0.006	**1.1**	<0.005	0.057	<0.05	<0.0002	<0.1	0.19
	3/10/2008	6010B	<0.02	0.32	<0.002	0.019	0.053	**10**	0.013	0.2	<0.5	<0.0002	<0.1	1.3

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

NOTES

1) No samples collected. No flow to aeration lagoons. Effluent now going into the new Waste Water Treatment Plant (WWTP).

8.17.4 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)
Dissolved Metals Analytical Result Summary

			Parameters														
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (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)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			**0.1**	**1.0**	0.01	NE	**0.05**	**1.0**	**1.0**	**0.05**	NE	**0.2**	NE	**0.05**	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			0.01	2.0	**0.005**	NE	0.1	1.3[1]	NE	0.015	NE	NE	NE	0.05	NE	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	6.9E-03	NE	NE	0.62	11	NE	NE	0.32	NE	0.078	0.071	NE	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**																
AL-2 to EP-1 [1]	6/12/2013	200.7/200.8	5.2E-03	0.034	<0.002	390	7.3E-03	<0.006	0.14	<0.001	88	0.081	47	3.2E-03	<0.05	590	1.9E-03	0.037
	3/19/2013	200.7/200.8	4.6E-03	0.026	<0.002	260	<0.006	<0.006	0.2	<0.005	59	0.097	31	2.1E-03	<0.005	490	<0.02	0.025
	11/28/2012	200.7/200.8	4.4E-03	0.025	<0.002	220	<0.006	<0.006	0.32	<0.005	62	0.071	21	0.002	<0.005	280	<0.005	0.024
	8/21/2012	200.7/200.8	4.1E-03	0.029	<0.002	250	<0.006	<0.006	0.13	<0.005	61	0.044	30	2.4E-03	<0.005	430	<0.001	0.067
	6/12/2012	200.7/200.8	8.1E-03	0.047	<0.002	100	8.2E-03	0.02	**3.9**	<0.005	34	0.11	170	0.014	<0.005	840	<0.005	0.26
	3/20/2012	200.7/200.8	0.013	0.053	<0.002	130	<0.006	<0.006	**2.8**	5.1E-03	44	**0.28**	150	0.022	<0.005	1500	2.6E-03	0.088
	12/14/2011	200.7/200.8	6.4E-03	0.023	<0.002	41	0.011	<0.006	**1.2**	<0.005	37	0.1	42	7.9E-03	<0.005	2600	4.5E-03	0.023
	9/28/2011	200.7/200.8	8.6E-03	0.017	<0.002	78	<0.006	<0.006	**1.3**	<0.005	120	0.049	920	0.018	<0.005	2100	<0.005	0.053
	6/15/2011	200.7/200.8	0.015	0.049	<0.01	44	<0.03	<0.03	**12**	<0.025	17	**0.22**	100	0.024	<0.025	1100	<0.005	0.43
	3/8/2011	200.7/200.8	0.008	0.027	<0.002	25	0.021	0.01	**5.4**	<0.005	12	0.2	50	<0.05	<0.005	740	<0.005	0.1
	11/3/2010	6010B	<0.02	0.035	<0.002	31	6.6E-03	<0.006	**2.6**	<0.005	11	0.13	36	<0.05	<0.005	630	NL	NL
	9/13/2010	6010B	<0.02	0.042	<0.002	37	**0.08**	<0.006	**1.6**	<0.005	14	0.2	25	<0.05	<0.005	730	<0.001	NL
	6/8/2010	6010B	<0.02	0.037	<0.002	40	8.9E-03	6.8E-03	**6.5**	<0.005	13	0.13	13	<0.05	<0.005	850	<0.001	0.064
	3/9/2010	6010B	6.7E-03	3.05E-02	<0.001	35.3	1.88E-02	7.28E-03	**12.1**	3.77E-03	10.7	**0.456**	58.2	9.77E-03	NL	678	<0.001	0.34
Pilot Effluent [1]	6/13/2013	200.7/200.8	<0.001	0.019	<0.002	NL	7.5E-03	<0.006	0.49	<0.005	NL	0.076	NL	0.011	<0.025	NL	<0.005	0.085
	3/19/2013	200.7/200.8	1.9E-03	<0.1	<0.1	NL	<0.3	<0.3	<1.0	<0.25	NL	<0.1	NL	2.2E-03	<0.25	NL	<0.1	<0.5
	12/5/2012	200.7/200.8	1.1E-03	0.018	<0.002	NL	<0.006	0.014	0.18	<0.005	NL	0.03	NL	1.9E-03	<0.005	NL	1.4E-03	0.058
	8/21/2012	200.7/200.8	1.2E-03	0.018	<0.002	NL	6.6E-03	<0.006	0.25	<0.005	NL	0.034	NL	1.4E-03	<0.005	NL	<0.001	0.089
	6/12/2012	200.7/200.8	<0.005	0.015	<0.002	NL	<0.006	<0.006	0.24	<0.005	NL	0.043	NL	<0.005	<0.005	NL	<0.005	0.096
	3/20/2012	200.7/200.8	3.7E-03	0.014	<0.002	NL	8.1E-03	0.01	0.16	<0.005	NL	0.027	NL	5.3E-03	<0.005	NL	1.3E-03	0.033
	12/14/2011	200.7/200.8	1.3E-03	0.011	<0.002	210	<0.006	<0.006	<0.02	<0.005	46	0.049	31	1.2E-03	<0.005	220	1.4E-03	0.013
	9/29/2011	200.7/200.8	1.5E-03	0.015	<0.002	NL	<0.006	<0.006	0.068	<0.005	NL	0.11	NL	2.9E-03	<0.005	NL	<0.001	0.014
	6/16/2011	200.7/200.8	<0.005	0.015	<0.010	200	<0.03	<0.03	0.11	<0.025	50	0.043	21	6.9E-03	<0.025	150	<0.005	<0.05
	3/9/2011	200.7/200.8	<0.002	0.019	<0.002	250	<0.006	0.019	0.22	<0.005	52	0.052	17	<0.05	<0.005	220	<0.005	0.05
	11/3/2010	6010B	<0.1	<0.1	<0.01	130	<0.03	<0.03	<0.1	<0.025	31	0.052	21	<0.25	<0.025	250	NL	NL
	9/16/2010	6010B	<0.02	0.022	<0.002	140	<0.006	<0.006	0.3	<0.005	30	0.057	18	<0.05	<0.005	240	0.001	NL
	6/28/2010	6010B	<0.02	<0.02	<0.002	NL	<0.006	<0.006	0.097	<0.005	NL	0.068	NL	<0.05	<0.005	NL	NL	NL
	3/10/2010	6020A	<0.02	<0.02	<0.002	NL	<0.006	9.5E-03	0.13	<0.005	NL	0.039	NL	<0.05	<0.005	NL	<0.001	<0.05
NAPIS Effluent [1]	6/12/2012	200.7/200.8	<0.005	0.071	<0.002	83	8.4E-03	<0.006	**3.3**	<0.005	22	0.12	57	0.015	<0.005	630	<0.005	0.17
	3/21/2012	200.7/200.8	6.3E-03	0.037	<0.002	40	<0.006	<0.006	0.5	<0.005	15	0.17	160	**0.051**	<0.005	790	<0.001	0.024
	12/14/2011	200.7/200.8	3.4E-03	0.073	<0.002	84	0.017	<0.006	**12**	<0.005	22	0.19	42	9.6E-03	<0.005	1200	4.5E-03	0.13
	9/28/2011	200.7/200.8	6.6E-03	0.018	<0.002	34	<0.006	<0.006	0.58	<0.005	27	0.053	350	0.013	<0.005	1300	<0.005	0.019
	6/15/2011	200.7/200.8	<0.01	0.058	<0.01	61	0.032	<0.03	**32**	<0.025	17	**0.29**	37	0.017	<0.025	850	<0.01	0.76
	3/8/2011	200.7/200.8	<0.002	0.062	<0.002	44	0.024	<0.006	**5.9**	<0.005	12	**0.21**	35	**0.082**	<0.005	660	<0.005	0.2
	11/3/2010	6010B	<0.02	0.028	<0.002	6.7	0.024	<0.006	**6.0**	<0.005	7.7	0.17	76	<0.05	<0.005	570	NL	NL
	9/13/2010	6010B	<0.02	0.085	<0.002	60	**0.08**	<0.006	**3.7**	<0.005	14	0.14	13	<0.05	<0.005	790	0.002	NL
	6/8/2010	6010B	<0.02	0.035	<0.002	35	<0.006	<0.006	**4.6**	<0.005	10	0.094	10	<0.05	<0.005	730	NL	0.051
	3/10/2010	6020A	2.3E-03	5.66E-03	<0.001	136	9.56E-03	<0.001	0.693	<0.001	0.56	0.124	30.9	9.44E-03	NL	1910	1.04E-03	1.57E-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

NOTES
1) No samples collected. No flow to aeration lagoons. Effluent is now going into the new Waste Water Treatment Plant (WWTP).

8.17.5 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)
Volatile Organic Compound Analytical Result Summary

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			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)	Chloroethane (mg/L)	Chloroform (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)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	0.1	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	**0.08**	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03 [1]**	**9.7E-03**	**0.027**	**21.8 [1]**	**7.06 [1]**	**1.04 [1]**	**20.9 [1]**	1.9E-03	**0.679 [1]**	NE	**0.78**	**0.53**	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**															
AL-2 to EP-1 [2]	6/13/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.02	<0.01	0.014	<0.002	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001
	3/19/2013	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	<0.05	<0.01	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005
	11/28/2012	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.075	<0.05	<0.05	<0.01	<0.005	<0.005	<0.005	<0.015	<0.005	<0.005
	8/21/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	0.11	<0.02	<0.01	<0.01	<0.01	<0.03	<0.01	<0.01
	6/12/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.11	<0.1	<0.1	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	3/20/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	3.1	0.22	<0.1	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	12/14/2011	8260B	0.012	<0.005	**0.021**	**0.028**	**0.044**	0.75	0.39	0.082	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	9/28/2011	8260B	<0.005	<0.005	<0.01	<0.02	0.024	0.62	0.23	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	6/15/2011	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.57	0.097	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	3/8/2011	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	11/3/2010	8260B	<0.005	<0.005	<0.01	**0.024**	**0.041**	1.8	0.14	<0.05	<0.01	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	9/13/2010	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.91	0.21	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	6/8/2010	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.29	<0.1	<0.1	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	3/9/2010	8260B	**0.019**	<0.005	**0.045**	**0.21**	**0.34**	1.7	<0.05	<0.05	<0.01	<0.005	<0.005	<0.005	0.005	<0.005	<0.005
	11/10/2009	8260B	5.2E-03	<0.01	**0.012**	**0.04**	**0.047**	0.75	0.089	0.24	0.26	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	8/19/2009	8260B	0.012	0.004	**0.023**	**0.052**	**0.084**	1.2	<0.01	<0.01	<0.002	<0.001	<0.001	<0.001	4.4E-03	1.5E-03	NL
	5/26/2009	8260B	6.3E-03	2.5E-03	**2.3E-03**	**0.047**	**0.041**	1.5	0.081	<0.01	<0.002	<0.001	<0.001	<0.001	1.2E-03	NL	NL
	3/31/2009	8260B	**0.022**	5.8E-03	**0.05**	**0.17**	**0.24**	0.93	<0.01	<0.01	<0.02	<0.001	<0.001	<0.001	7.9E-03	NL	NL
	12/2/2008	8260B	**0.12**	0.041	**0.078**	**0.19**	**0.28**	1.9	0.095	<0.5	<0.01	<0.05	6.6E-03	6.7E-03	<0.05	0.013	NL
	9/9/2008	8260B	<0.02	<0.02	<0.04	<0.08	<0.08	2.2	<0.20	<0.2	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	6/17/2008	8260B	**0.039**	ND	**0.051**	**0.18**	**0.26**	3.8	0.35	<0.2	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	3/1008	8260B	**0.6**	**0.17**	**0.33**	**0.34**	**0.52**	2.2	0.48	<0.1	<0.02	<0.01	0.012	0.015	0.055	0.045	<0.01
Pilot Effluent [2]	6/13/2013	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.085	<0.001	<0.001	<0.002	<0.001	<0.001	3.8E-03	<0.003	<0.001	<0.001
	3/19/2013	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	<0.05	<0.01	<0.005	<0.005	0.016	<0.015	<0.005	<0.005
	12/5/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.025	<0.01	<0.01	<0.002	1.1E-03	<0.001	0.008	<0.003	<0.001	<0.001
	8/21/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.02	<0.01	<0.10	<0.01	<0.03	<0.01	<0.01
	6/12/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	0.23	<0.02	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01
	3/20/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	0.23	<0.1	<0.01	<0.02	<0.01	<0.10	<0.01	<0.01	<0.01	<0.01
	12/14/2011	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.062	<0.05	<0.05	<0.01	<0.005	<0.005	0.016	<0.005	<0.005	<0.005
	9/29/2011	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	0.057	<0.01	<0.005	<0.005	7.2E-03	<0.005	<0.005	<0.005
	6/16/2011	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	0.11	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	3/9/2011	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	11/3/2010	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.098	<0.05	<0.5	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	9/16/2010	8260B[1]	<0.001	<0.001	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	6/28/2010	8260B	<0.005	<0.005	<0.005	<0.02	<0.02	<0.05	<0.05	0.19	<0.01	<0.005	<0.006	<0.007	<0.009	<0.010	<0.011
	3/10/2010	8260B	<0.005	<0.005	<0.005	<0.02	<0.02	<0.05	<0.05	0.19	<0.01	<0.005	<0.006	<0.007	<0.009	<0.010	<0.011
	11/10/2009	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	0.15	<0.01	6.2E-03	<0.005	<0.005	<0.005	<0.005	<0.005
	8/19/2009	8260B	<0.001	<0.001	<0.02	<0.004	<0.004	0.29	0.014	<0.01	<0.002	6.5E-03	<0.001	1.9E-03	<0.001	<0.001	<0.001

8.17.5 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)
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)	Chloroethane (mg/L)	Chloroform (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)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	0.1	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	**0.08**	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03** [1]	**9.7E-03**	**0.027**	**21.8** [1]	**7.06** [1]	**1.04** [1]	**20.9** [1]	1.9E-03	**0.679** [1]	NE	**0.78**	**0.53**	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**															
Pilot Effluent [2]	5/27/2009	8260B	<0.001	<0.001	<0.002	<0.004	NL	0.17	<0.01	<0.01	<0.002	3.5E-03	<0.001	2.4E-03	<0.001	<0.001	<0.001
	3/31/2009	8260B	**0.66**	**0.17**	**0.5**	**0.29**	NL	0.36	0.012	<0.01	<0.002	0.003	<0.001	7.9E-03	<0.001	<0.001	<0.001
	12/2/2008	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.058	<0.01	<0.01	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	9/9/2008	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.3	<0.05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	6/17/2008	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.078	0.01	<0.01	<0.002	4.4E-03	<0.001	<0.001	<0.001	<0.001	<0.001
	3/10/2008	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.49	<0.01	<0.01	<0.002	6.9E-03	<0.001	<0.001	<0.001	<0.001	<0.001
NAPIS Effluent [2]	6/12/2012	8260B	**1.6**	**0.56**	**0.39**	<0.4	**0.48**	7.2	<1.0	<1.0	<0.2	<0.1	0.14	<0.1	0.1	0.28	<0.1
	3/21/2012	8260B	**0.9**	**0.27**	**0.32**	<0.4	<0.4	14	2.4	<1.0	<0.2	<0.1	<0.1	<0.1	<0.1	0.13	<0.1
	12/14/2011	8260B	**1.1**	**0.4**	**0.31**	<0.4	<0.4	10.0	<1.0	<1.0	<0.2	<0.1	<0.1	<0.1	<0.1	0.21	<0.1
	9/28/2011	8260B	**1.2**	**0.39**	**0.25**	<0.4	<0.4	<1.0	<1.0	<1.0	<0.2	<0.1	<0.1	<0.1	<0.1	0.18	<0.1
	6/15/2011	8260B	**2.0**	**0.69**	**0.34**	<0.4	<0.4	<1.0	<1.0	<1.0	<0.2	<0.1	0.18	<0.1	0.11	0.35	<.01
	3/8/2011	8260B	**0.67**	**0.2**	**0.39**	<0.4	<0.4	<1.0	<1.0	<1.0	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	11/3/2010	8260B	**1.4**	**0.44**	**0.49**	<0.4	**0.47**	<1.0	<1.0	<1.0	<0.2	<0.1	<0.1	<0.1	<0.1	0.21	<0.1
	9/13/2010	8260B	**3.0**	**0.09**	**0.56**	<0.4	<0.4	<1.0	<1.0	<1.0	<0.1	<0.1	<0.1	<0.1	0.17	0.37	<0.1
	6/8/2010	8260B	**0.67**	**0.22**	**0.25**	**0.24**	**0.45**	<0.05	<0.5	<0.5	<0.1	<0.05	<0.05	<0.05	0.062	0.094	<0.1
	3/9/2010	8260B	**3.0**	**0.91**	**0.56**	**0.27**	**0.52**	<0.05	<0.5	<0.5	<0.1	<0.05	0.17	<0.05	0.32	**0.54**	0.07
	11/10/2009	8260B	**1.2**	**0.44**	**0.83**	**0.41**	**0.68**	11	<0.5	<0.5	<0.1	<0.05	<0.05	<0.05	<0.05	0.21	<0.05
	8/19/2009	8260B	**0.69**	**0.2**	**0.59**	**0.24**	**0.42**	7.2	<0.5	<0.5	<0.1	<0.05	<0.05	<0.05	<0.05	0.082	<0.05
	5/26/2009	8260B	**3.0**	**0.37**	**0.49**	**0.3**	**0.5**	8.9	0.8	<0.1	<0.2	<0.1	0.087	0.03	0.11	0.16	<0.05
	3/31/2009	8260B	**0.66**	**0.17**	**0.5**	**0.29**	**0.51**	20	2.2	<0.5	<0.1	<0.05	0.057	<0.05	0.1	0.085	<0.01
	12/2/2008	8260B	**0.4**	**0.1**	**0.43**	**0.29**	**0.46**	4.7	<0.5	<0.5	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	9/9/2008	8260B	**0.053**	<0.02	**0.087**	<0.05	<0.08	17	1.9	<0.2	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	6/17/2008	8260B	**0.26**	<0.1	**0.29**	**0.4**	<0.4	17	2.5	<1.0	<0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	3/10/2008	8260B	**0.59**	**0.17**	**0.2**	**0.25**	**0.38**	0.5	<0.5	<0.5	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

NE = Not established
NA = Not analyzed
NL = Not listed on laboratory analysis
Bold and highlighted values represent values above the applicable standards

NOTES

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 Limts for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table
1. NMED Tap Water (JUN 2012)

2) No samples collected from NAPIS Effluent beginning the third quarter 2012. Effluent is now going into the new Waste Water Treatment Plant (WWTP).

8.17.6 EFFLUENTS (AL-2 to EP-1, Pilot Effluent, NAPIS Effluent)
Semi Volatile Organic Compound Analytical Result Summary

			Parameters																
			Aniline (mg/L)	Benzoic Acid (mg/L)	Benzyl Alcohol (mg/L)	Bis(2-ethylhexyl) phthalate (mg/L)	Carbazole (mg/L)	Chrysene (mg/L)	Dibenzofuran (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)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)	1-Methyl naphthalene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	**0.005**	NE	NE	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	**0.006**	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.12**	**2.95E-4** [1]	**1.5**	0.0048	NE	**2.95E-02** [1]	**5.8E-03**	**0.73** [1]	**1.46** [1]	**0.027**	**0.72**	NE	**1.43E-03** [1]	**1.1** [1]	4.5	**1.1** [1]	**0.015**	**0.013**
SAMPLE ID	**DATE SAMPLED**	**METHOD**																		
AL-2 to EP-1 [4]	6/12/2013	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.15	<0.05	<0.05	<0.05	<0.05	<0.05	
	3/19/2013	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	0.057	<0.05	<0.05	<0.05	
	12/5/2012 [3]	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	**0.074**	<0.05	<0.05	
	8/21/2012	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	<0.05	<0.05	
	6/12/2012	8270C	<0.05	<0.1	<0.05	<0.18	<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	
	3/20/2012	8270C	**0.38**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.18	<0.05	<0.05	**1.4**	2.1	<0.05	<0.05	**5.4**	<0.05	<0.05	
	12/14/2011	8270C	**0.77**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.51	<0.05	<0.05	**2.8**	5.7	<0.05	<0.05	**11**	<0.05	<0.05	
	9/28/2011	8270C	**0.29**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.16	<0.05	<0.05	**1.1**	0.89	<0.05	<0.05	**0.2**	<0.05	<0.05	
	6/15/2011	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	<0.05	<0.05	
	3/8/2011	8270C	**0.34**	<0.2	0.025	**0.015**	0.023	<0.01	<0.01	0.37	<0.01	<0.01	**2.3**	5.3	<0.01	0.017	**6.5**	<0.01	<0.01	
	11/3/2010	8270C	**0.16**	**0.13**	<0.05	<0.05	<0.05	<0.05	<0.05	0.31	<0.05	<0.05	**1.7**	4.3	<0.05	0.068	**6.3**	<0.05	<0.05	
	9/13/2010	8270C	**0.23**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.16	<0.05	<0.05	0.4	0.064	<0.05	<0.05	**0.1**	<0.05	<0.05	
	6/8/2010	8270C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	3/9/2010	8270C	**0.15**	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**24**	0.055	**0.18**	**1.2**	2.7	<0.05	0.15	**4.8**	<0.05	NL	
	11/10/2009	8270C	**0.15**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.16	<0.05	**0.067**	**1.2**	2.2	<0.05	0.12	**1.2**	<0.05	<0.05	
	8/19/2009	8270C	0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.18	0.052	**0.18**	**0.84**	0.95	<0.05	0.26	**2.6**	0.063	<0.05	
NAPIS Effluent [4]	6/12/2012	8270C	**0.6**	<0.1	<0.05	<0.18	<0.05	<0.05	<0.05	0.53	<0.05	**1.3**	**2.0**	4.2	**0.53**	0.2	**7.8**	<0.05	<0.05	**0.84**
	3/21/2012	8270C	**0.63**	<0.02	<0.01	<0.01	0.012	<0.01	<0.01	0.33	<0.01	**0.11**	**2.2**	4.0	**0.17**	<0.01	**8.6**	<0.01	<0.01	**0.073**
	12/14/2011	8270C	**0.85**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.65	<0.05	**1.1**	**2.4**	4.2	**0.55**	0.2	**8.4**	<0.05	**0.12**	**0.61**
	9/28/2011	8270C	**0.43**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.33	<0.05	**0.21**	**1.5**	3.2	**0.23**	<0.05	**6.3**	<0.05	<0.05	**0.12** [2]
	6/15/2011	8270C	0.094	<0.1	<0.05	**0.066**	<0.05	<0.05	<0.05	0.18	<0.05	**0.8**	0.48	0.96	**0.41**	0.12	**1.1**	<0.05	<0.05	
	3/8/2011	8270C	**1.1**	<0.1	<0.05	**0.054**	<0.05	<0.05	<0.05	0.47	<0.05	**0.24**	**2.4**	5.7	**0.29**	<0.05	**12**	<0.05	**0.051**	
	11/3/2010	8270C	**0.35**	**0.37**	<0.05	<0.05	<0.05	<0.05	<0.05	0.41	<0.05	**0.41**	**1.5**	3.6	**0.32**	<0.05	**5.7**	<0.05	<0.05	
	9/13/2010	8270C	**0.87**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.36	0.076	**2.3**	**1.8**	3.7	**2.2**	0.23	**4.5**	<0.05	<0.05	
	6/8/2010	8270C	**0.6**	<0.1	<0.05	<0.05	<0.05	<0.05	**0.085**	0.71	0.21	**4.4**	**3.1**	5.6	**0.89**	0.99	**12**	0.1	<0.05	
	3/9/2010	8270C	**1.1**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	**0.92**	0.11	**2.1**	**3.1**	8.1	**1.4**	0.35	**13**	0.059	**0.076**	
	11/10/2009	8270C	**1.4**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	0.11	**1.7**	**4.4**	7.4	**1.3**	0.33	**14**	ND	**0.08**	
	8/19/2009	8270C	**0.32**	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.34	0.21	**5.6**	**1.3**	2.2	**3.2**	1.0	**4.4**	0.16	<0.1	
	5/26/2009	8270C	NL	NL	NL	NL	NL	NL	NL	0.2	NL	NL	**1.6**	3.9	NL	NL	**7.2**	NL	NL	
	3/31/2009	8270C	<0.1	**1.0**	<0.1	<0.075	<0.05	<0.075	<0.05	<0.05	<0.05	<0.05	<0.075	0.57	<0.05	<0.05	**0.056**	<0.075	<0.15	
	12/2/2008	8270C	NL	NL	NL	NL	NL	NL	NL	0.12	NL	NL	0.62	3.2	NL	NL	**6.8**	<0.05	<0.05	
	9/9/2008	8270C	**2.1**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.49	<0.05	**0.063**	**7.4**	13	**0.076**	<0.05	**25**	<0.05	<0.05	
	6/17/2008	8270C	**0.4**	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.15	<0.05	**0.5**	**4.9**	8.5	**0.24**	0.16	**17**	<0.05	<0.05	
	3/10/2008	8270C	<0.05	<0.1	<0.05	<0.05	0.071	**0.12**	<0.05	<0.05	0.093	**0.59**	0.15	0.17	**0.22**	0.44	**0.19**	0.15	<0.05	

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
1) NMED Tap Water (Jun 2012)

NOTES
2) 9/28/11 - 1-Methylnaphthalene detected for the first time.
3) 8270C anaysis only collected as this was missed during the fourth quarter sampling held the week of November 26, 2012.
4) No samples collected, no flow to aeration lagoons. Effluent is now going into the new Waste Water Treatment Plant (WWTP).

8.18 INFLUENTS (Infl to AL-1, Infl to AL-2, Infl to EP-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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
SAMPLE ID	**DATE SAMPLED**	**METHOD**					
Infl to AL-1 [5]	6/14/2012	8260B	**0.67**	**1.3**	0.13	**0.83**	<0.01
	3/21/2012	8260B	**0.18**	0.36	0.034	0.25	<0.01
	12/14/2011	8260B	**0.27**	0.63	0.11	**0.8**	<0.005
	9/28/2011	8260B	**0.3**	**1.4**	0.051	0.38	<0.005
	6/16/2011	8260B	**0.035**	0.097	0.02	0.15	<0.005
	3/9/2011	8260B	**0.074**	0.14	0.014	0.1	<0.005
	11/3/2010	8260B	**0.011**	0.056	0.019	0.13	<0.005
	9/13/2010 [4]	8260B	**0.012**	0.031	<0.005	0.038	<0.005
	6/7/2010 [3]	8260B	NA	NA	NA	NA	NA
	3/9/2010 [2]	8260B	**0.19**	0.6	0.13	**0.8**	<0.010
Infl to AL-2 [5]	6/13/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/19/2013	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	11/28/2012	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	8/21/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	6/12/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	3/20/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	12/14/2011	8260B	**0.02**	0.063	0.025	0.17	<0.01
	9/28/2011	8260B	**0.046**	0.093	7.7E-03	0.06	<0.005
	6/16/2011	8260B	<0.005	7.2E-03	<0.005	0.015	<0.005
	3/9/2011	8260B	<0.005	6.2E-03	<0.005	<0.0075	<0.005
	9/13/2010 [4]	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	6/7/2010 [3]	8260B	NA	NA	NA	NA	NA
	3/9/2010 [2]	8260B	**0.017**	0.061	0.017	0.1	<0.1
Infl to EP-1 [5]	6/13/2013	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/19/2013	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	11/28/2012	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	8/21/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	6/12/2012	8260B	<0.001	<0.001	<0.001	<0.0015	<0.001
	3/20/2012	8260B	<0.01	<0.01	<0.01	<0.015	<0.01
	12/15/2011	8260B	<0.01	0.017	<0.01	0.057	<0.01
	9/28/2011	8260B	<0.005	9.5E-03	<0.005	<0.0075	<0.005
	6/15/2011	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	3/9/2011	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	11/3/2010	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	9/13/2010 [4]	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	6/28/2010	8260B	<0.02	<0.02	<0.02	<0.03	<0.02
	3/10/2010	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	10/27/2009	8260B	<0.005	<0.005	<0.005	<0.0075	<0.005
	5/6/2009	8260B	<0.005	<0.005	<0.005	0.012	<0.005

8.18 INFLUENTS (Infl to AL-1, Infl to AL-2, Infl to EP-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 (APR 2014)			**0.005**	1.0	**0.7**	10	NE
EPA RSL for Tap Water (NOV 2013)			3.9E-03	0.86	0.013	0.19	**0.125** [1]
SAMPLE ID	**DATE SAMPLED**	**METHOD**					
Infl to EP-1 [5]	12/2/2008	8260B	**0.007**	0.081	0.03	0.23	<0.005
	9/9/2008	8260B	<0.01	<0.01	<0.01	<0.0015	<0.01
	8/21/2008	8260B	**0.023**	0.028	<0.005	0.029	<0.005
	6/17/2008	8260B	<0.01	0.012	<0.01	0.024	<0.01
	1/1/2008	8260B	**0.13**	0.22	0.39	0.22	5.2E-03
	10/30/2006	8260B	<0.01	<0.01	<0.01	0.062	<0.015
	3/30/2006	8260B	**0.21**	0.44	0.06	0.43	<0.075

NOTES
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
1. NMED Tap Water (JUN 2012)

NOTES
2) 3/9/2010 samples, used unapproved Facility Wide Ground Water Monitoring Work Plan for analysis.
3) 6/7/2010 , Method 8260B analysis not requested to be analyzed.
4) 9/13/2010 used approved Facility Wide Ground Water Monitoring Work Plan sample schedule for analysis (approved August 25, 2010).
5) No samples collected, no flow to aeration lagoons, routed to new Waste Water Treatment Plant (WWTP).

8.18.1 INFLUENTS (Infl to Al-1, Infl to AL-2, Infl to EP-1)
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)	DRO (mg/L)	GRO (mg/L)	MRO [3] (mg/L)	BOD (mg/L)	COD (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6.6 to 8.6 [1]**	NE	**0.2 [2]**	NE	NE	**<30 [1]**	**<125 [1]**
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE	NE	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**														
Infl to AL-1 [7]	6/14/2012	300.0/8015B	NA	210	NA	NA	NA	NA	NA	**8.73**	NA	**9.2**	8.1	44	**410**	**1100**
	3/21/2012	300.0/8015B	NA	**740**	NA	NA	NA	NA	NA	**9.13**	NA	**26**	4.5	<5.0	**840**	**1900**
	12/14/2011	300.0/8015B	NA	**1000**	NA	NA	NA	NA	NA	**9.81**	NA	**48**	6.6	<15	**1000**	**2440**
	9/28/2011	300.0/8015B	NA	**940**	NA	NA	NA	NA	NA	**9.82**	NA	**8.3**	7.4	<5.0	**450**	**760**
	6/16/2011	300.0/8015B	NA	**290**	NA	NA	NA	NA	NA	**9.03**	NA	**5.9**	2.2	<5.0	**730**	**905**
	3/9/2011	300.0/8015B	NA	**350**	NA	NA	NA	NA	NA	**8.61**	NA	**9.8**	1.7	<5.0	**1600**	**2500**
	11/3/2010	300.0/8015B	**95**	250	NL	<1.0	**14**	<0.1	**950**	NA	NA	**8.1**	8.0		**530**	**1100**
	9/13/2010 [6]	300.0/8015B	NA	**260**	NA	NA	NA	NA	NA	**10.24**	NA	**7.9**	0.57		**780**	**774**
	6/7/2010 [5]	300.0/8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		**400**	**200**
	3/9/2010 [4]	300.0/8015B	NA	**280**	NA	NA	NA	NA	NA	**10.44**	NA	**60**	6.0		**1150**	**1760**
Infl to AL-2 [7]	6/13/2013	300.0/8015B	**2.4**	**770**	<1.0	<1.0	<1.0	<5.0	**780**	8.15	NA	**5.0**	<0.25	6.5	**98**	**310**
	3/19/2013	300.0/8015B	NA	**750**	NA	NA	NA	NA	NA	7.97	NA	**2.1**	<0.25	<5.0	**98**	**370**
	11/28/2012	300.0/8015B	NA	**450**	NA	NA	NA	NA	NA	7.96	NA	**3.0**	<0.25	<5.0	**44**	**290**
	8/21/2012	300.0/8015B	NA	**470**	NA	NA	NA	NA	NA	**8.68**	NA	<1.0	<0.5	<5.0	16	**240**
	6/12/2012	300.0/8015B	NA	**640**	NA	NA	NA	NA	NA	7.96	NA	**9.4**	0.5	<5.0	**130**	**610**
	3/20/2012	300.0/8015B	NA	**1400**	NA	NA	NA	NA	NA	7.52	NA	**8.0**	1.2	<5.0	**440**	**1090**
	12/14/2011	300.0/8015B	NA	**2400**	NA	NA	NA	NA	NA	**10.42**	NA	**32**	1.7	<15	**780**	**2330**
	9/28/2011	300.0/8015B	NA	**2100**	NA	NA	NA	NA	NA	**9.09**	NA	**23**	1.2	<50	**340**	**654**
	6/16/2011	300.0/8015B	NA	210	NA	NA	NA	NA	NA	8.45	NA	**7.7**	2.0	<5.0	**540**	**779**
	3/9/2011	300.0/8015B	NA	**330**	NA	NA	NA	NA	NA	8.11	NA	**9.2**	0.45	<15	**1800**	**2500**
	11/3/2010	300.0/8015B	**160**	210	NL	<2.0	5.7	<0.1	**990**	NA	NA	**7.0**	0.69		**920**	**1700**
	9/13/2010 [6]	300.0/8015B	NA	240	NA	NA	NA	NA	NA	7.75	NA	**7.3**	0.47		**280**	**378**
	6/7/2010 [5]	300.0/8015B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		**310**	**1200**
	3/9/2010 [4]	300.0/8015B	NA	**260**	NA	NA	NA	NA	NA	**8.99**	NA	**1.3**	1.3		**650**	**1890**
Infl to EP-1 [7]	6/13/2013	300.0/8015B	**5.5**	**1000**	<1.0	<1.0	<1.0	<5.0	**1100**	8.1	NA	**10**	<0.25	7.6	**160**	**840**
	3/19/2013	300.0/8015B	**2.9**	**820**	<1.0	<1.0	<1.0	**5.1**	**760**	7.88	NA	**4.1**	<0.25	<5.0	**130**	**440**
	11/28/2012	300.0/8015B	**4.5**	**360**	<0.5	<0.5	<0.5	<2.5	**700**	7.88	NA	**9.2**	<0.25	<5.0	**69**	**220**
	8/21/2012	300.0/8015B	**8.4**	**510**	0.51	<0.5	<0.5	<2.5	**1000**	**8.91**	NA	**9.6**	<0.5	<5.0	23	**260**
	6/12/2012	300.0/8015B	**65**	**980**	1.9	<1.0	<1.0	<5.0	**1400**	7.98	NA	**12**	<0.5	<5.0	**85**	**490**
	3/20/2012	300.0/8015B	**60**	**2600**	4.7	**2.8**	<1.0	<5.0	**820**	7.79	NA	**12**	<1.0	<5.0	**610**	**1600**
	12/15/2011	300.0/8015B	**49**	**3200**	2.3	**10**	10	<2.5	**1300**	**9.54**	NA	**38**	0.63	<15	**520**	**1840**
	9/28/2011	300.0/8015B	**25**	**3300**	580	**67**	**67**	<10	**1800**	**8.68**	NA	**8.3**	0.78	<5.0	**180**	**602**
	6/16/2011	300.0/8015B	**140**	250	1.8	<1.0	<1.0	<5.0	**1200**	8.44	NA	**10**	0.56	<5.0	**600**	**965**
	3/9/2011	300.0/8015B	**260**	**300**	3.0	<0.5	<0.5	<2.5	**940**	7.75	NA	**8.4**	0.34	<15	**1700**	**2400**
	11/3/2010	300.0/8015B	**100**	220	NL	<0.002	<0.002	<1.0	**940**	7.54	4000	**45**	0.34		**840**	**1700**

8.18.1 INFLUENTS (Infl to Al-1, Infl to AL-2, Infl to EP-1)
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)	DRO (mg/L)	GRO (mg/L)	MRO [3] (mg/L)	BOD (mg/L)	COD (mg/L)
WQCC 20NMAC 6.2.3103			**1.6**	**250.0**	NE	NE	**10**	NE	**600.0**	**6.6 to 8.6 [1]**	NE	**0.2 [2]**	NE	NE	**<30 [1]**	**<125 [1]**
40 CFR 141.62 MCL (APR 2014)			4.0	NE	NE	**1.0**	10	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			0.62	NE	NE	1.6	25	**3.1E-04**	NE	NE	NE	NE	NE	NE	NE	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**														
Infl to EP-1 [7]	9/13/2010	300.0/8015B	**59**	230	NL	**1.5**	1.5	<5.0	**1300**	NA	NA	**9.4**	0.38		**200**	**375**
	6/28/2010	300.0/8015B	**140**	220	1.9	<1.0	<1.0	<5.0	**2000**	7.42	5200	**140**	2.8		NA	NA
	3/10/2010	300.0/8015B	**66**	**440**	1.1	**1.6**	1.6	**2.5**	**920**	7.94	20000	**150**	0.34		**159**	**795**
	10/27/2009	300.0/8015B	**120**	250	1.3	0.8	0.68	<5.0	**310**	7.76	2600	**29**	0.83		**265**	**1660**
	5/6/2009	300.0/8015B	**66**	120	NA	NA	NA	NA	**710**	7.36	2600	**100**	2.1		**556**	**545**
	12/2/2008	300.0/8015B	NA	**350**	NA	NA	NA	NA	NA	7.62	NA	**120**	<0.005		**231**	**840**
	9/9/2008	300.0/8015B	NA	170	NA	NA	NA	NA	NA	7.93	NA	**140**	<0.2		**260**	**1360**
	6/17/2008	300.0/8015B	NA	NA	NA	NA	NA	NA	NA	7.43	NA	**140**	2.7		NL	NL

NOTES
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
1) 20 NMAC 20.6.2.2101 General Requirements
2) NMED Table 6 (unknown oil). TPH Screening Guidelines for Potable Ground Water (GW-1). (Jun 2012)
40 CFR 141.62 Detection Limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table

NOTES
3) Per NMED "Approval with Modifications Annual Ground Water Monitoring Report 2010, Rev. 1", dated 12/12/12, Comment 7(a) added MRO to data tables.
4) 3/9/2010 samples, used unapproved Facility Wide Ground Water Monitoring Work Plan for analysis.
5) 6/7/2010 , Method 8260B analysis not requested to be analyzed.
6) 9/13/2010 used approved Facility Wide Ground Water Monitoring Work Plan sample schedule for analysis (approved August 25, 2010).
7) No samples collected, no flow to aeration lagoons, routed to new Waste Water Treatment Plant (WWTP).

8.18.2 INFLUENTS (Infl to AL-1, Infl to AL-2, Infl to EP-1)

Total Metals Analytical Result Summary

			Parameters										
			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 (APR 2014)			**0.01**	2.0	0.1	1.3	NE	**0.015**	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	NE	0.62	11	NE	0.32	0.078	6.3E-04	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**											
Infl to EP-1 [2]	6/13/2013	200.7/200.8	**0.011**	0.41	0.028	0.15	**9.6**	8.6E-03	0.18	6.7E-03	**4.3E-03**	1.8E-03	0.76
	3/19/2013	200.7/200.8	5.3E-03	0.031	<0.006	0.016	0.78	<0.005	0.12	<0.0025	<0.0002	<0.0025	0.036
	11/28/2012	200.7/200.8	4.5E-03	0.023	<0.006	<0.006	0.36	<0.005	0.066	<0.0025	<0.0002	<0.0025	0.023
	8/21/2012	200.7/200.8	0.005	0.038	<0.006	0.009	0.47	<0.005	0.065	3.4E-03	<0.0002	<0.0025	0.064
	6/12/2012	200.7/200.8	8.7E-03	0.1	8.8E-03	0.02	**5.3**	<0.005	0.12	0.023	**2.5E-03**	<0.0025	0.31
	3/20/2012	200.7/200.8	**0.021**	0.3	0.022	0.03	**12**	5.8E-03	**0.31**	0.022	<0.0002	5.1E-03	0.36
	12/15/2011	200.7/200.8	**0.015**	0.17	0.019	0.021	**11**	<0.01	0.13	0.016	**0.012**	5.3E-03	0.21
	9/28/2011	200.7/200.8	9.7E-03	0.09	0.013	0.028	**5.9**	<0.005	0.077	0.021	**2.3E-03**	<0.0025	0.23
	6/15/2011	200.7/200.8	**0.016**	0.099	0.029	0.017	**15**	<0.005	**0.22**	0.017	9.3E-04	<0.0025	0.62
	3/9/2011	200.7/200.8	**0.011**	0.045	0.023	7.2E-03	**6.5**	<0.005	**0.21**	<0.05	2.6E-04	<0.0025	0.18
	9/13/2010 [1]	6010B	<0.02	0.17	**0.76**	0.02	**10**	<0.005	**0.23**	<0.05	5.6E-04	0.001	0.59
	6/28/2010	200.8	**0.021**	0.34	0.026	0.058	**25**	0.01	**0.31**	0.039	<0.0008	5.3E-03	0.55
	3/10/2010	6010B	<0.02	0.17	**0.067**	0.033	**18**	8.7E-03	**0.72**	<0.05	3.7E-04	1.69E-03	0.39
Infl to AL-2 [2]	6/13/2013	200.7/200.8	6.1E-03	0.29	0.025	0.16	**6.0**	5.6E-03	0.12	4.2E-03	1.9E-03	1.4E-03	0.6

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

NOTES

1) 9/13/2010 used approved Facility Wide Ground Water Monitoring Work Plan sample schedule for analysis (approved August 25, 2010).
2) No samples collected, no flow to aeration lagoons, routed to new Waste Water Treatment Plant (WWTP).

8.18.3 INFLUENTS (Infl to AL-1, Infl to AL-2, Infl to EP-1)
Dissolved Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Calcium (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)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	**1.0**	NE	**0.05**	**1.0**	**1.0**	0.05	NE	**0.2**	NE	**0.05**	NE	**0.03**	**10.0**
40 CFR 141.62 MCL (APR 2014)			**0.01**	2.0	NE	0.1	1.3	NE	**0.015**	NE	NE	NE	0.05	NE	0.03	NE
EPA RSL for Tap Water (NOV 2013)			4.5E-05	2.9	NE	NE	0.62	11	NE	NE	0.32	NE	0.078	NE	0.047	4.7
SAMPLE ID	**DATE SAMPLED**	**METHOD**														
Infl to EP-1 [3]	6/13/2013	200.7/200.8	0.006	0.037	400	8.3E-03	<0.006	0.17	<0.001	91	0.09	48	3.3E-03	580	1.9E-03	0.043
	3/19/2013	200.7/200.8	5.4E-03	0.028	260	<0.006	<0.006	0.29	<0.005	60	0.13	33	2.5E-03	500	<0.02	0.021
	11/28/2012	200.7/200.8	4.6E-03	0.025	230	<0.006	<0.006	0.32	<0.005	63	0.072	22	0.002	280	<0.005	0.043
	8/21/2012	200.7/200.8	4.2E-03	0.03	250	<0.006	<0.006	0.18	<0.005	61	0.047	31	2.3E-03	430	1.1E-03	0.054
	6/12/2012	200.7/200.8	6.8E-03	0.039	94	<0.006	9.2E-03	**2.5**	<0.005	33	0.11	170	0.015	850	<0.002	0.14
	3/20/2012	200.7/200.8	**0.013**	0.051	130	<0.006	<0.006	**2.5**	<0.005	45	**0.27**	150	0.022	1500	2.7E-03	0.071
	12/15/2011	200.7/200.8	0.009	0.022	43	0.01	<0.006	**1.7**	<0.005	43	0.093	39	8.8E-03	2400	4.7E-03	0.027
	9/28/2011	200.7/200.8	9.1E-03	0.017	72	<0.006	<0.006	**1.3**	<0.005	110	0.05	910	0.016	2100	<0.005	0.047
	6/15/2011	200.7/200.8	**0.013**	0.046	48	<0.03	<0.03	**16**	<0.025	18	**0.24**	75	0.023	1100	<0.005	0.57
	3/9/2011	200.7/200.8	8.2E-03	0.021	16	0.02	<0.006	**4.9**	<0.005	12	0.02	52	<0.05	710	<0.005	0.1
	11/3/2010	6010B	NL	NL	40	NL	NL	NL	NL	12	NL	40	NL	660	NL	NL
	9/13/2010 [2]	6010B	<0.02	0.044	38	**0.12**	<0.006	**2.2**	<0.005	14	0.2	0.26	<0.05	740	<0.001	<0.001
	6/28/2010	6010B	**0.012**	0.039	NL	0.015	<0.006	**12**	<0.005	NL	**0.27**	NL	0.029	NL	NL	0.071
	3/10/2010 [1]	6010B	<0.02	0.029	45	0.023	0.011	**9.6**	7.2E-03	14	**0.58**	32	<0.05	990	1.1E-03	0.28
Infl to AL-2 [3]	6/13/2013	200.7/200.8	3.3E-03	0.018	330	<0.006	<0.006	0.081	<0.001	63	0.044	36	2.6E-03	500	1.5E-03	0.012

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

NOTES
1) 3/10/2010 samples, used unapproved Facility Wide Ground Water Monitoring Work Plan for analysis.
2) 9/13/2010 used approved Facility Wide Ground Water Monitoring Work Plan sample schedule for analysis (approved August 25, 2010).
3) No samples collected, no flow to aeration lagoons, routed to new Waste Water Treatment Plant (WWTP).

8.18.4 INFLUENTS (Infl to AL-1, Infl to AL-2, Infl to EP-1)
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)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03** [1]	**9.7E-03**	**0.027**	**21.8** [1]	**7.06** [1]	**1.04** [1]	**0.679** [1]	NE	**0.78**	**0.53**	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
Infl to AL-1 [5]	6/14/2012	8260B	**0.16**	0.047	**0.13**	**0.073**	**0.11**	1.6	0.28	<0.1	<0.01	<0.01	<0.01	0.019	<0.01
	3/21/2012	8260B	**0.073**	0.022	**0.1**	**0.071**	**0.12**	11	1.8	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01
	12/14/2011	8260B	**0.35**	**0.12**	**0.12**	**0.13**	**0.22**	7.9	<0.05	0.065	0.019	0.011 [4]	0.028	0.052	<0.005
	9/28/2011	8260B	**0.08**	0.024	**0.05**	**0.027**	**0.046**	0.85	0.38	<0.05	<0.005		<0.005	9.1E-03	<0.005
	6/16/2011	8260B	**0.1**	0.036	**0.047**	**0.043**	**0.08**	0.65	<0.05	<0.05	5.5E-03		7.9E-03	0.015	<0.005
	3/9/2011	8260B	**0.033**	9.8E-03	**0.077**	**0.074**	**0.13**	1.0	<0.05	<0.05	<0.005		<0.005	<0.005	<0.005
	11/3/2010	8260B	**0.14**	0.047	**0.078**	**0.15**	**0.25**	0.83	<0.05	<0.05	<0.05		0.029	0.019	6.2E-03
	9/13/2010 [3]	8260B	**0.026**	0.007	**0.03**	<0.02	0.021	1.5	0.28	<0.05	<0.005		<0.005	<0.005	<0.005
	3/9/2010 [2]	8260B	**0.41**	**0.12**	**0.27**	**0.091**	**0.16**	6.1	<0.1	<0.1	0.016		0.024	0.063	<0.01
Infl to AL-2 [5]	6/13/2013	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
	3/19/2013	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	<0.05	<0.005		<0.015	<0.005	<0.005
	11/28/2012	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	<0.05	<0.005		<0.015	<0.005	<0.005
	8/21/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	<0.1	<0.1	<0.1	<0.01		<0.03	<0.01	<0.01
	6/12/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	1.1	0.21	<0.1	<0.01		<0.01	<0.01	<0.01
	3/20/2012	8260B	<0.01	<0.01	<0.01	<0.04	<0.04	4.4	0.26	<0.1	<0.01		<0.01	<0.01	<0.01
	12/14/2011	8260B	**0.094**	0.033	**0.072**	**0.067**	**0.11**	4.3	0.63	<0.1	<0.01		<0.01	0.015	<0.01
	9/28/2011	8260B	0.015	<0.005	**0.021**	<0.02	**0.034**	1.5	0.52	<0.05	<0.005		<0.005	<0.005	<0.005
	6/16/2011	8260B	0.014	<0.005	**0.016**	**0.032**	**0.056**	0.63	<0.05	0.086	<0.005		<0.005	<0.005	<0.005
	3/9/2011	8260B	<0.005	<0.005	**0.012**	<0.02	0.023	1.3	<0.05	<0.05	<0.005		<0.005	<0.005	<0.005
	11/3/2010	8260B	0.006	<0.005	<0.01	**0.026**	**0.041**	1.7	<0.05	<0.05	<0.005		<0.005	<0.005	<0.005
	9/13/2010 [3]	8260B	6.8E-03	<0.005	<0.01	<0.02	<0.02	2.2	0.3	<0.05	<0.005		<0.005	<0.005	<0.005
	3/9/2010 [2]	8260B	**0.071**	0.021	**0.088**	**0.068**	**0.11**	6.9	<0.1	<0.1	<0.01		<0.01	0.01	<0.01
Infl to EP-1 [5]	6/13/2013	8260B	<0.001	<0.001	<0.001	<0.004	<0.004	0.022	<0.01	0.023	<0.001		<0.003	<0.001	<0.001
	3/19/2013	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	<0.05	<0.05	<0.05	<0.005		<0.015	<0.005	<0.005
	11/28/2012	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.068	<0.05	<0.05	<0.005		<0.015	<0.005	<0.005
	8/21/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.014	<0.01	<0.01	<0.001		<0.003	<0.001	<0.001
	6/12/2012	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	0.015	<0.01	<0.01	<0.001		<0.001	<0.001	<0.001
	3/20/2012	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	3.1	0.25	<0.1	<0.01		<0.01	<0.01	<0.01
	12/15/2011	8260B	**0.048**	0.015	**0.034**	**0.054**	**0.088**	4.1	0.38	<0.1	<0.01		<0.01	<0.01	<0.01
	9/28/2011	8260B	<0.005	<0.005	<0.01	<0.02	0.023	0.65	0.26	<0.05	<0.005		<0.005	<0.005	<0.005
	6/15/2011	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.51	<0.05	<0.05	<0.005		<0.005	<0.005	<0.005
	3/9/2011	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	1.2	0.48	<0.05	<0.005		<0.005	<0.005	<0.005
	11/3/2010	8260B	<0.005	<0.005	<0.01	<0.02	0.021	1.5	0.13	<0.05	<0.005		<0.005	<0.005	<0.005

8.18.4 INFLUENTS (Infl to AL-1, Infl to AL-2, Infl to EP-1)

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)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (NOV 2013)			**0.015**	**0.087**	**1.43E-03** [1]	**9.7E-03**	**0.027**	**21.8** [1]	**7.06** [1]	**1.04** [1]	**0.679** [1]	NE	**0.78**	**0.53**	NE
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
Infl to EP-1 [5]	9/13/2010 [3]	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.93	0.2	<0.05	<0.005		<0.005	<0.005	<0.005
	6/28/2010	8260B	<0.02	<0.02	<0.04	<0.08	<0.08	0.055	<0.2	<0.2	<0.02		<0.02	<0.02	<0.02
	3/10/2010	8260B	**6.1**	<0.005	**0.033**	**0.065**	**0.1**	1.9	<0.05	<0.05	<0.005		<0.005	<0.005	<0.005
	5/6/2009	8260B	0.014	6.1E-03	<0.004	**0.095**	**0.096**	1.4	0.12	<0.02	<0.002		6.4E-03	<0.002	<0.002
	12/2/2008	8260B	**0.11**	0.037	**0.072**	**0.14**	**0.22**	1.7	0.1	<0.05	7.3E-03		0.019	0.013	<0.005
	9/9/2008	8260B	**0.04**	<0.01	**0.067**	**0.24**	**0.35**	1.7	0.21	<0.1	<0.1		0.011	<0.01	<0.01
	6/17/2008	8260B	**0.033**	<0.01	**0.053**	**0.087**	**0.13**	1.6	0.32	<0.1	<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

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

1) NMED Tap Water (JUN 2012)

NOTES:

2) 3/9/2010 samples, used unapproved Facility Wide Ground Water Monitoring Work Plan for analysis.

3) 9/13/2010 used approved Facility Wide Ground Water Monitoring Work Plan sample schedule for analysis (approved August 25, 2010).

4) 12/14/11 4-Isopropyltoluene detected for the first time.

5) Influent to AL-1 - No flow into AL-1 only Pilot Effluent is flowing into Lagoon 1. No samples collected third quarter into lagoon 2 and into Pond 2, level down in lagoon 1. Flow routed to new Waste Water Treatment Plant (WWTP).

8.18.5 INFLUENTS (Infl to AL-1, Infl to AL-2, Infl to EP-1)
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)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	1-Methyl naphthalene (mg/L)	Carbazole (mg/L)	Bis(2-ethylhexyl) phthalate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE	NE	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.006
EPA RSL for Tap Water (NOV 2013)			0.012	58	1.5	0.73 [1]	0.027	0.72	NE	1.43E-03 [1]	1.1 [1]	NE	9.7E-04	NE	0.0048
SAMPLE ID	DATE SAMPLED	METHOD													
Infl to AL-1 [7]	6/14/2012	8270C	0.41	<0.02	0.013	0.24	0.11	1.2	2.1	0.096	0.013	4.1	0.073	0.011 [5]	
	3/21/2012	8270C	0.84	<0.1	<0.05	0.4	0.085	2.5	5.3	0.076	<0.05	11	0.06		
	12/14/2011	8270C	0.98	<0.1	<0.05	0.27	0.11	3.0	5.6	0.073	<0.05	12	0.062 [2]		
	9/28/2011	8270C	0.48	<0.1	<0.05	0.34	0.05	1.6	3.2	0.063	<0.05	4.4			
	6/16/2011	8270C	<0.05	<0.01	<0.05	0.088	0.14	0.22	0.36	<0.05	0.056	0.5			
	3/9/2011	8270C	0.69	<0.01	<0.05	0.28	<0.05	1.7	3.8	<0.05	<0.05	8.1			
	11/3/2010	8270C	0.58	0.32	<0.05	0.42	0.3	1.5	3.1	0.08	0.17	5.5			
	9/13/2010 [4]	8270C	0.26	0.13	<0.05	0.36	<0.05	0.93	1.8	<0.05	<0.05	25			
	6/7/2010	8270C	NL	NL	NL	0.2	NL	1.0	1.6	NL	NL	2.6			
	9/8/2009	8270C	NL	NL	NL	<0.05	NL	0.15	1.1	NL	NL	2.4			
	6/25/2009	8270C	NL	NL	NL	0.27	NL	1.6	3.4	NL	NL	6.8			
	2/26/2009	8270C	NL	NL	NL	0.066	NL	0.75	1.9	NL	NL	4.7			
	1/27/2009	8270C	NL	NL	NL	0.84	NL	1.1	4.2	NL	NL	7.9			
Infl to AL-2 [7]	6/13/2013	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05
	3/19/2013	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05
	12/5/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05
	8/21/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			0.072 [6]
	6/12/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
	3/20/2012	8270C	0.2	<0.1	<0.05	0.098	<0.05	0.9	1.3	<0.05	<0.05	3.4			
	12/14/2011	8270C	0.91	<0.1	<0.05	0.7	0.089	3.0	5.8	0.058	<0.05	10			
	9/28/2011	8270C	0.39	<0.1	<0.05	0.27	<0.05	1.7	2.5	<0.05	<0.05	3.3			
	6/16/2011	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
	3/9/2011	8270C	0.16	<0.1	<0.05	0.1	<0.05	0.67	1.2	<0.05	<0.05	2.4			
	11/3/2010	8270C	0.21	0.14	<0.05	0.3	<0.05	1.7	3.8	<0.05	0.053	6.1			
	9/13/2010 [4]	8270C	0.29	<0.1	<0.05	0.21	<0.05	0.81	0.63	<0.05	<0.05	<0.05			
	6/7/2010	8270C	NL	NL	NL	<0.05	NL	<0.05	<0.05	NL	NL	<0.05			
	9/8/2009	8270C	NL	NL	NL	0.098	NL	0.57	1.2	NL	NL	0.89			
	9/8/2009	8270C	NL	NL	NL	0.11	NL	1.3	2.5	NL	NL	3.6			
	2/26/2009	8270C	NL	NL	NL	<0.05	NL	1.2	2.4	NL	NL	5.6			
	1/27/2009	8270C	NL	NL	NL	0.35	NL	1.0	2.4	NL	NL	2.5			
Infl to EP-1 [7]	6/13/2013	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	0.18	<0.05	<0.05	<0.05			
	3/19/2013	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
	12/5/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.062			
	8/21/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
	6/12/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
	3/20/2012	8270C	0.36	<0.1	<0.05	0.17	<0.05	1.6	2.2	<0.05	<0.05	6.1			
	12/15/2011	8270C	0.85	<0.1	<0.05	0.71	<0.05	3.7	7.1	<0.05	<0.05	12			
	9/28/2011	8270C	0.22	<0.1	<0.05	0.15	<0.05	1.1	1.1	<0.05	<0.05	0.49			
	6/15/2011	8270C	0.061	<0.1	<0.05	0.1	<0.05	0.12	<0.05	<0.05	<0.05	<0.05			
	3/9/2011	8270C	0.24	<0.1	<0.05	0.17	<0.05	1.1	2.2	<0.05	<0.05	3.0			
	11/3/2010	8270C	0.25	0.14	<0.05	0.37	<0.05	1.6	3.7	<0.05	0.06	5.9			

8.18.5 INFLUENTS (Infl to AL-1, Infl to AL-2, Infl to EP-1)
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)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	1-Methyl naphthalene (mg/L)	Carbazole (mg/L)	Bis(2-ethylhexyl) phthalate (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	**0.005**	NE	NE	NE
40 CFR 141.62 MCL (APR 2014)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	**0.006**
EPA RSL for Tap Water (NOV 2013)			**0.012**	**58**	**1.5**	**0.73** [1]	**0.027**	**0.72**	NE	**1.43E-03** [1]	**1.1** [1]	NE	**9.7E-04**	NE	0.0048
SAMPLE ID	**DATE SAMPLED**	**METHOD**													
Infl to EP-1 [7]	9/13/2010 [4]	8270C	**0.24**	<0.1	<0.05	0.18	<0.05	0.48	<0.05	<0.05	<0.05	<0.05			
	6/28/2010	8270C	**0.06**	<0.1	<0.05	<0.05	**0.097**	<0.05	<0.05	<0.05	0.1	<0.05			
	6/7/2010	8270C	NL	NL	NL	NL	<0.05	NL	NL	NL	NL	NL			
	3/10/2010 [3]	8270C	**0.19**	<0.1	0.87	0.37	**0.16**	**1.4**	1.7	<0.05	0.12	**2.7**			
	10/27/2009	8270C	**0.16**	NL	NL	0.065	NL	NL	1.1	**3.9**	0.078	**2.1**			
	9/8/2009	8270C	NL	NL	NL	0.16	NL	**1.2**	2.4	NL	NL	**29**			
	5/6/2009	8270C	**0.071**	NL	NL	0.078	NL	0.48	NL	NL	0.12	NL			
	2/26/2009	8270C	NL	NL	NL	<0.05	NL	**1.3**	2.5	NL	NL	**4.8**			
	12/2/2008	8270C	NL	NL	NL	0.087	NL	0.55	0.86	NL	NL	**1.5**			
	9/9/2008	8270C	NL	NL	NL	0.2	NL	0.45	0.6	NL	NL	**1.3**			

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
1) NMED Tap Water (JUN 2012)

NOTES
2) 12/14: 1-Methylnaphthalene detected for the first time in Infl to AL-1.
3) 3/10/2010 samples, used unapproved Facility Wide Ground Water Monitoring Work Plan for analysis.
4) 9/13/2010 used approved Facility Wide Ground Water Monitoring Work Plan sample schedule for analysis (approved August 25, 2010).
5) 6/14/12: Carbazole detected for the first time during 2nd quarter 2012.
6) 8/21/12: Bis(2-ethylhexyl)phthalate detected for the first time 3rd quarter 2012.
7) Influent to AL-1 - No flow into AL-1 only Pilot Effluent is flowing into Lagoon 1. No samples collected third quarter into lagoon 2 and into Pond 2, level down in lagoon 1. Flow routed to new Waste Water Treatment Plant (WWTP).

SECTION 9

WELL DATA DTW/DTB MEASUREMENTS

The 2013 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 Ground Water Monitoring Wells and Recovery Wells issued on September 26, 2012. Western was required to resurvey the monitoring wells due to discrepancies found in reporting 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 on June 7, 2011. The Well Data Table is attached as Section 9.1.

The site investigation of the hydrocarbon seep discovered west of Tanks 101/102 included investigative soil borings for site assessments which resulted in the installation of 18 permanent monitoring wells for this site and are designated as "MKTF" wells. The DTB/DTW measurements were recorded in 2013 and have been included in Section 9.2.

SECTION 10

2013 MONITORING SCHEDULE

Section 10 - Table 1 - 2013 Monitoring Schedule

Sampling Location ID	Frequency	Sample Date(s)	Inspection Date(s)	General Monitoring and Sampling Comments.	Analytical Data
Pilot Effluent (Pilot Eff)	Quarterly (Q)	3/19/13; 6/13/13	Flow diverted to the WWTP in late June 2013.	VOC, DRO extended/GRO, BOD, COD, WQCC Metals	Appendix K, Section 8.17
AL-2 to EP-1 [3]	Q	3/19/13; 6/13/13	Aeration lagoons out of service. All flow going to WWTP	Major Cations/Anions, VOC, SVOC, DRO extended/GRO, WQCC Metals	Appendix K, Section 8.17
Influent to AL-2 (Infl to AL-2) [3]	Q	3/19/13; 6/13/13	Aeration lagoons out of service. All flow going to WWTP	VOC, BOD, COD, Chlorides, DRO extended/GRO, pH, Phenol	Appendix K , Section 8.18
Influent to EP-1 (Infl to EP-1) [3]	Q	3/19/13; 6/13/13	Aeration lagoons out of service. All flow going to WWTP	Major Cations/Anions, pH, BOD, COD, Chlorides, VOC, SVOC, DRO extended/GRO, WQCC Metals	Appendix K , Section 8.18
NAPI Secondary Containment (LDU) East LDU, West LDU, Oil Sump LDU	Q	3/18/13; 6/12/13; 9/5/13; 11/12/13	3/18/13; 6/12/13; 9/5/13; 11/12/13	BTEX, DRO extended/GRO, WQCC Metals or check for fluids	Appendix K, Section 8.7
RW-1	Q	9/16/13	3/26/13; 6/17/13; 11/12/13	Measure depth to water (DTW), depth to product (DTP), (VOC, SVOC, WQCC METALS, Major Cations/Anions)	Appendix K, Section 8.10
RW-2	Q	9/16/13	3/26/13; 6/17/13; 11/12/13	Measure DTW, DTP, (VOC, SVOC, WQCC METALS, Major Cations/Anions)	Appendix K, Section 8.10
RW-5	Q	9/16/13	3/26/13; 6/17/13; 11/12/13	Measure DTW, DTP, (VOC, SVOC, WQCC METALS, Major Cations/Anions)	Appendix K, Section 8.10
RW-6	Q	9/16/13	3/26/13; 6/17/13; 11/12/13	Measure DTW, DTP, (VOC, SVOC, WQCC METALS, Major Cations/Anions)	Appendix K, Section 8.10
OW-1	Q	3/19/13; 6/13/13; 9/4/13; 11/11/13		Visual Check for Artesian flow conditions; Major Cations/Anions, VOC, DRO extended/GRO, WQCC Metals	Appendix K, Section 8.12
OW-10	Q	3/19/13; 6/13/13; 9/4/13; 11/11/13		Visual Check for Artesian flow conditions; Major Cations/Anions, VOC, DRO extended/GRO, WQCC Metals	Appendix K, Section 8.12
OW-13	Q	3/19/13; 6/13/13; 9/4/13; 11/11/13		VOC, WQCC Metals (Annual: 8015B, Major Cations/Anions)	Appendix K, Section 8.8
OW-14	Q	3/19/13; 6/13/13; 9/4/13; 11/11/13		VOC, WQCC Metals (Annual: 8015B, Major Cations/Anions)	Appendix K, Section 8.8
OW-29	Q	3/19/13; 6/13/13; 9/4/13; 11/11/13		VOC, WQCC Metals (Annual: 8015B, Major Cations/Anions)	Appendix K, Section 8.8
OW-30	Q	3/19/13; 6/17/13; 9/4/13; 11/11/13		VOC, WQCC Metals (Annual: 8015B, Major Cations/Anions)	Appendix K, Section 8.8
GWM-1	Q	3/18/13;6/12/13; 9/3/13; 11/11/13		Major Cations/Anions, VOC, DRO extended/GRO, WQCC Metals,	Appendix K, Section 8.4
GWM-2	Q	3/18/13;6/12/13; 9/3/13; 11/11/13	4th Qtr - not enough water to collect samples.	Check for water. If water is detected report to OCD & NMED within 24 hours. Sample for VOC, DRO extended/GRO, Major Cations/Anions, WQCC Metals	Appendix K, Section 8.4
GWM-3	Q	Dry	3/18/13; 6/12/13; 9/3/13; 11/11/13	Check for water. If water is detected report to OCD & NMED within 24 hours. Sample for VOC, DRO extended/GRO, Major Cations/Anions, WQCC Metals	Appendix K, Section 8.4
NAPIS-1	Q	3/18/13; 6/12/13; 9/3/13; 11/12/13		Major Cations/Anions, BTEX, SVOC, DRO extended/GRO, WQCC Metals	Appendix K, Section 8.5
NAPIS-2	Q	3/18/13; 6/12/13; 9/3/13; 11/12/13		Major Cations/Anions, BTEX, SVOC, DRO extended/GRO, WQCC Metals	Appendix K, Section 8.5
NAPIS-3	Q	3/18/13; 6/12/13; 9/3/13; 11/12/13		Major Cations/Anions, BTEX, SVOC, DRO extended/GRO, WQCC Metals	Appendix K, Section 8.5
KA-3	Q	3/18/13; 6/12/13; 9/3/13; 11/12/13		Major Cations/Anions, BTEX, SVOC, DRO extended/GRO, WQCC Metals	Appendix K, Section 8.5
OAPIS-1	Q	3/18/13; 6/12/13; 9/3/13; 11/11/13		VOC, SVOC, DRO extended/GRO, WQCC Metals, Cyanide, Major Cations/Anions	Appendix K, Section 8.6
BW to EP-2	Semi-Annual (SA)	5/28/13; 10/15/13		Major Cations/Anions	Appendix K, Section 8.16
Pond 1 (EP-1)	SA	5/28/13; 5/29/13; 10/15/13; 10/16/13		General Chemistry, VOC, SVOC, BOD, COD, E-Coli Bacteria, WQCC Metals	Appendix K, Section 8.14
Evaporation Pond (EP-2 through EP-12B)	SA	5/28/13; 5/29/13; 10/15/13; 10/16/13		Same as EP-1	Appendix K, Section 8.14

Section 10 - Table 1 - 2013 Monitoring Schedule - Continued

Sampling Location ID	Frequency	Sample Date(s)	Inspection Date(s)	General Monitoring and Sampling Comments.	Analytical Data
BW-1A	Annual (A)	N/A	9/3/13 - DRY	Major Cations/Anions, VOC, SVOC, WQCC Metals	Appendix K, Section 8.1
BW-1B	A	N/A	9/3/13 - DRY	Major Cations/Anions, VOC, SVOC, WQCC Metals	Appendix K, Section 8.1
BW-1C	A	9/9/13		Major Cations/Anions, VOC, SVOC, WQCC Metals	Appendix K, Section 8.1
BW-2A	A	9/9/13		Major Cations/Anions, VOC, SVOC, WQCC Metals	Appendix K, Section 8.1
BW-2B	A	9/9/13		Major Cations/Anions, VOC, SVOC, WQCC Metals	Appendix K, Section 8.1
BW-2C	A	9/9/13		Major Cations/Anions, VOC, SVOC, WQCC Metals	Appendix K, Section 8.1
BW-3A	A	N/A	9/3/13 - DRY	Major Cations/Anions, VOC, SVOC, WQCC Metals	Appendix K, Section 8.1
BW-3B	A	9/9/13		Major Cations/Anions, VOC, SVOC, WQCC Metals	Appendix K, Section 8.1
BW-3C	A	9/9/13		Major Cations/Anions, VOC, SVOC, WQCC Metals	Appendix K, Section 8.1
STP-1 to EP-2 (EP-2 Inlet) [2]	A	9/5/13		VOC, DRO extended/GRO, BOD, COD, TDS	Appendix K, Section 8.15
MW-1	Annual and every 10 years beginning 2009 per RCRA Post Closure Permit	9/9/13		Major Cations/Anions, VOC, SVOC, DRO extended/GRO, WQCC Metals. For RCRA 10 year requirements: Gen Chem, Modified Skinner List Metals (total and dissolved) including mercury and cyanide, Modified Skinner List VOC, SVOC, TPH	Appendix K, Section 8.2
MW-2	Annual and every 10 years beginning 2009 per RCRA Post Closure Permit	9/10/13		Major Cations/Anions, VOC, SVOC, DRO extended/GRO, WQCC Metals. For RCRA 10 year requirements: Gen Chem, Modified Skinner List Metals (total and dissolved) including mercury and cyanide, Modified Skinner List VOC, SVOC, TPH	Appendix K, Section 8.2
MW-4	Annual and every 10 years beginning 2009 per RCRA Post Closure Permit	9/10/13		Major Cations/Anions, VOC, SVOC, DRO extended/GRO, WQCC Metals. For RCRA 10 year requirements: Gen Chem, Modified Skinner List Metals (total and dissolved) including mercury and cyanide, Modified Skinner List VOC, SVOC, TPH	Appendix K, Section 8.2
MW-5	Annual and every 10 years beginning 2009 per RCRA Post Closure Permit	9/10/13		Major Cations/Anions, VOC, SVOC, DRO extended/GRO, WQCC Metals. For RCRA 10 year requirements: Gen Chem, Modified Skinner List Metals (total and dissolved) including mercury and cyanide, Modified Skinner List VOC, SVOC, TPH	Appendix K, Section 8.2
OW-11	A	9/16/13		Major Cations/Anions, VOC, SVOC, WQCC Metals	Appendix K, Section 8.13
OW-12	A	9/10/13		VOC, SVOC, WQCC Metals, General Chemistry	Appendix K, Section 8.13
OW-50 [1]	A	9/4/13		VOC, SVOC, WQCC Metals, DRO extended/GRO, General Chemistry	Appendix K, Section 8.9
OW-52 [1]	A	9/4/13		VOC, SVOC, WQCC Metals, DRO extended/GRO, General Chemistry	Appendix K, Section 8.9
SMW-2	A	9/9/13	9/3/13	Major Cations/Anions, VOC, DRO extended/GRO, WQCC Metals.	Appendix K, Section 8.3
SMW-4	Annual and every 10 years beginning 2009 per RCRA Post Closure Permit	9/9/13		Major Cations/Anions, VOC, DRO extended/GRO, WQCC Metals. For RCRA 10 year requirements: Gen Chem, Modified Skinner List Metals (total and dissolved) including mercury and cyanide, Modified Skinner List VOC, SVOC, TPH	Appendix K, Section 8.3
PW-2	Every 3 years. Start 2008	10/26/11, 12/15/2011		VOC, SVOC, WQCC Metals, Cyanide, Nitrates	Appendix K, Section 8.11
PW-3	Annual starting with 2009	9/10/13		VOC, SVOC, WQCC Metals, Cyanide, Nitrates	Appendix K, Section 8.11
PW-4	Every 3 years. Start 2007	9/10/13		VOC, SVOC, WQCC Metals, Cyanide, Nitrates	Appendix K, Section 8.11

Section 10 - Table 1 - 2013 Monitoring Schedule - Continued

Sampling Location ID	Frequency	Sample Date(s)	Inspection Date(s)	General Monitoring and Sampling Comments.	Analytical Data
Any temporary pond containing fluid	SA			Same as EP-1	
All wells including Recovery Wells	Annual Sampling Event			VOC, SVOC, WQCC Metals, General Chemistry	

DEFINITIONS:

WWTP - Waste water treatment plant: OCD - Oil Conservation Division: NMED - New Mexico Environment Department.

BTEX - Benzene, toluene, ethylbenzene, xylene; MTBE - Methyl tert butyl ether

VOC - Method 8260+MTBE; SVOC - Method 8270; BTEX+MTBE - Method 8021B+MTBE; WQCC Metals - Total & Dissolved; General Chemistry - Cations, anions, pH, specific conductivity; DRO/GRO - Method 8015B.

NOTES:

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

2) EP-2 inlet flow coming from STP-1; now referred to as STP-1 to EP-2. Aeration lagoons are out of service - flow going to WWTP.

3) Samples taken as long as there is continued gravitational flow between lagoons and pond 1. Last flow going into AL-1 (Pilot Effluent) was re-routed into the WWTP in late June 2013.

SECTION 11

FIGURES

Figures 6 thru 16 have been copied onto a CD-R disc provided in Appendix K.

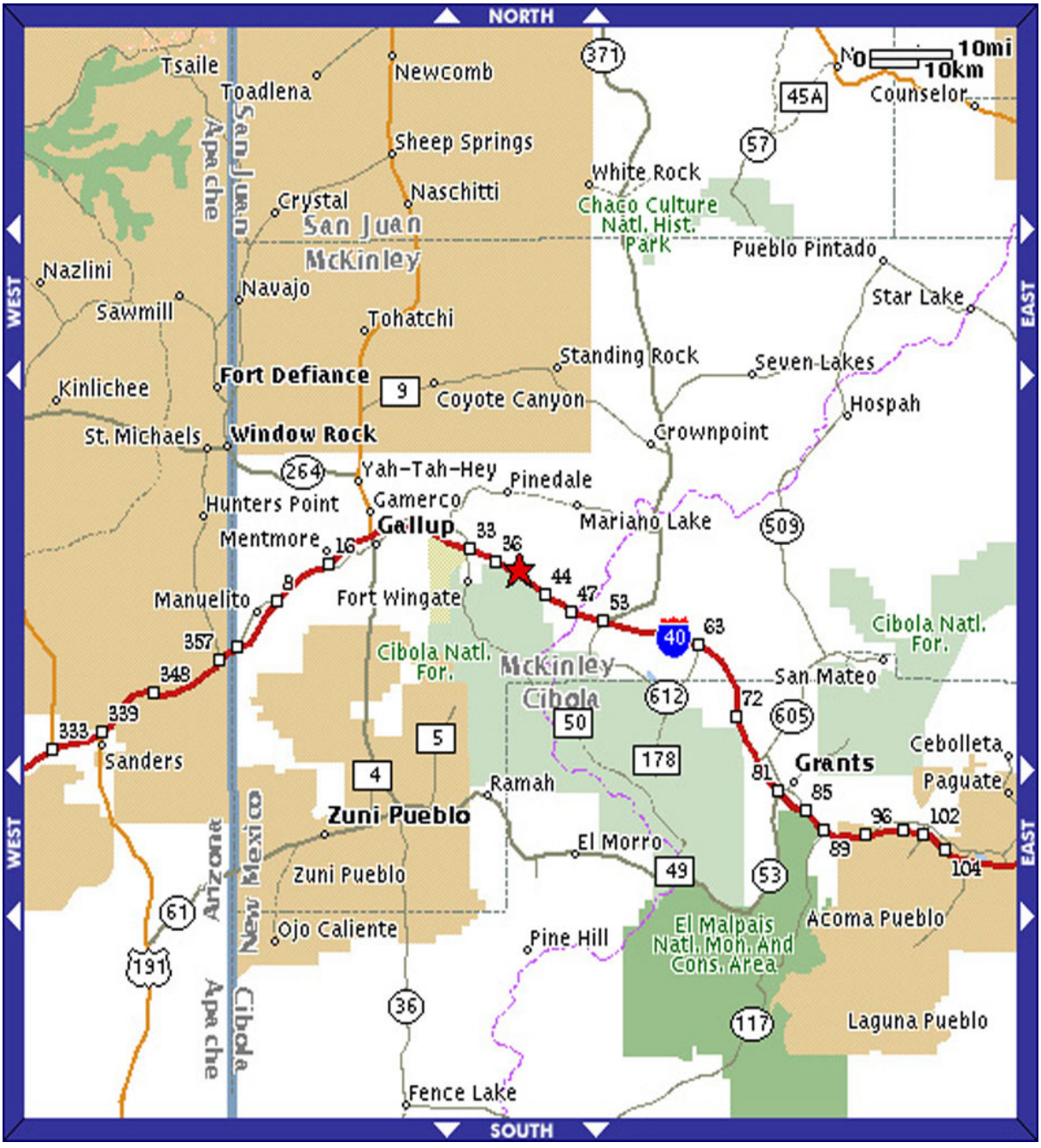


Figure 1: Regional map showing the location of the Gallup Refinery (red star along Interstate-40, 20 miles east of the City of Gallup).

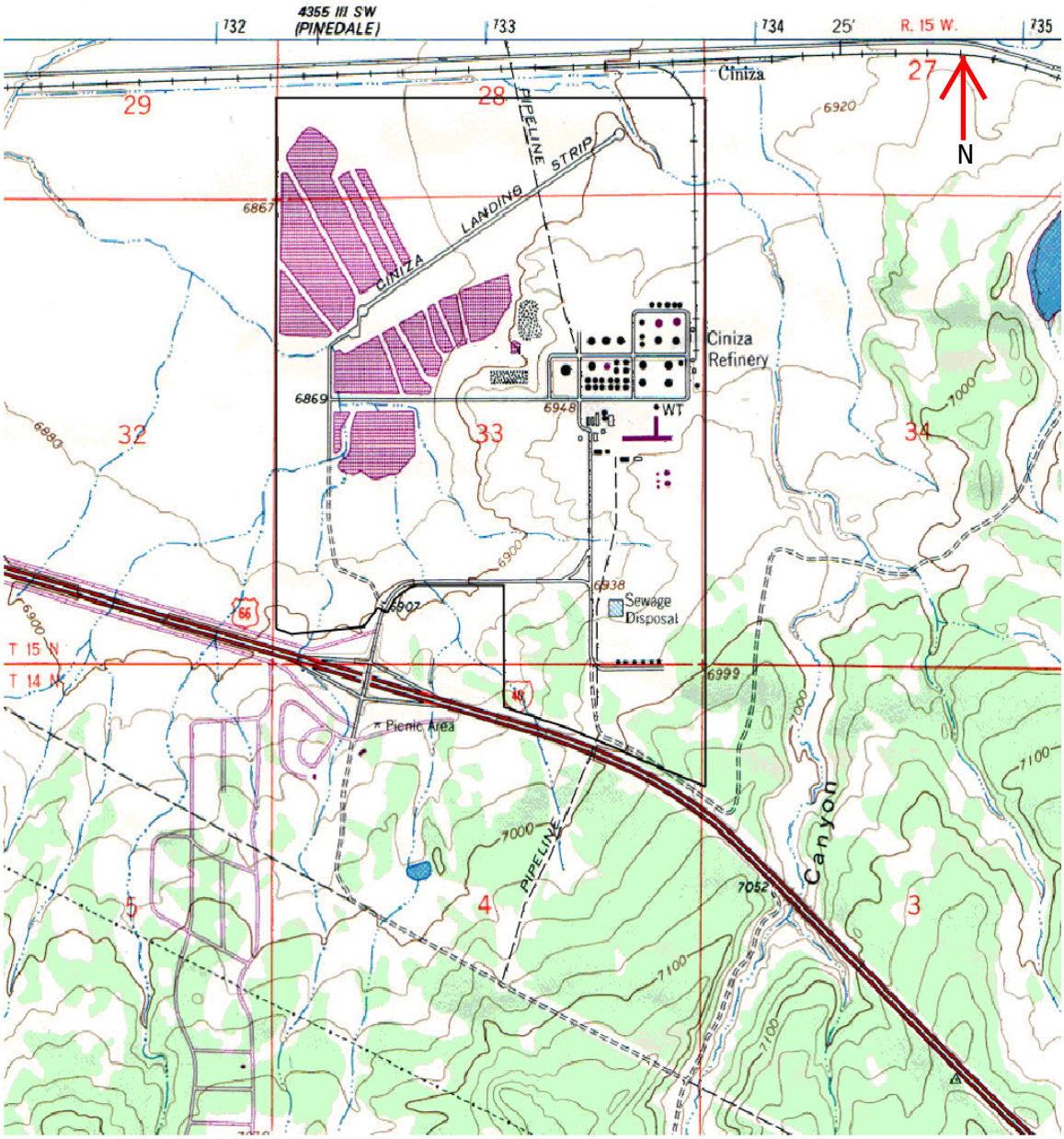
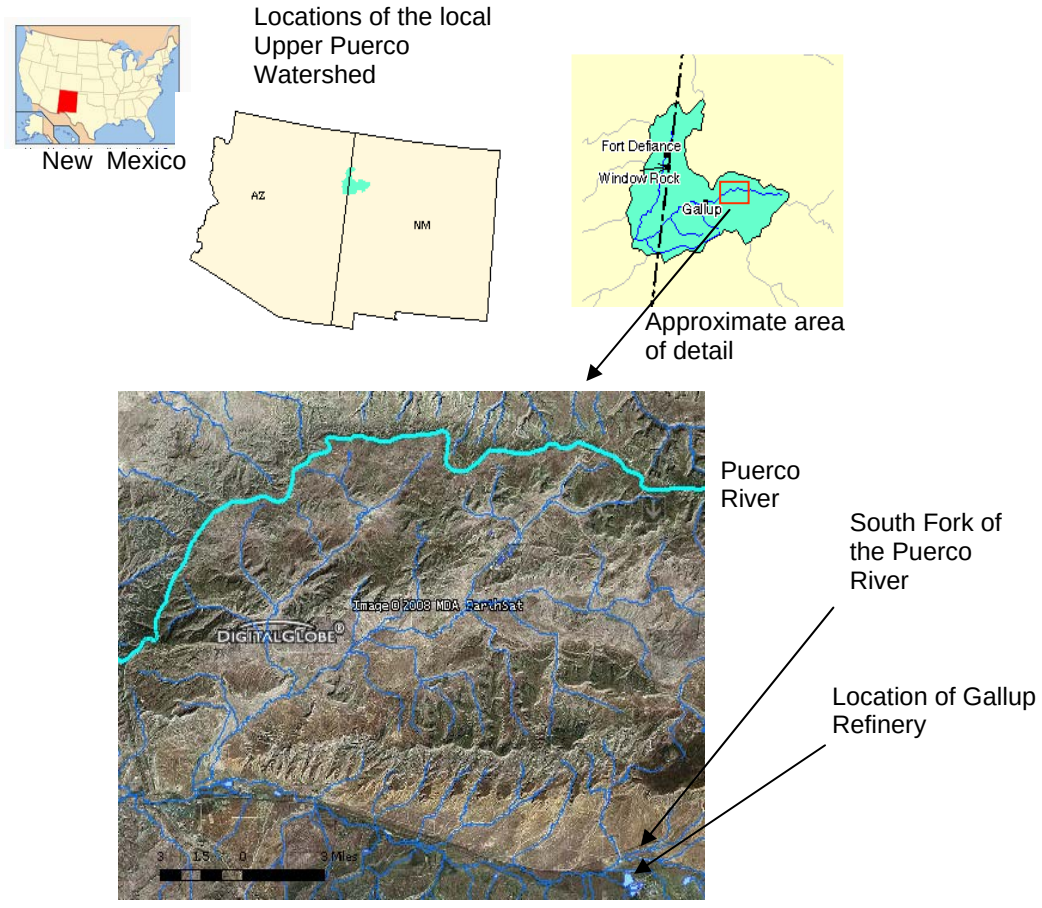


Figure 2: Topographic Map of the Gallup Refinery Site - USGS Topographical Map - Gallup Quadrangle (Revised 1980)

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.



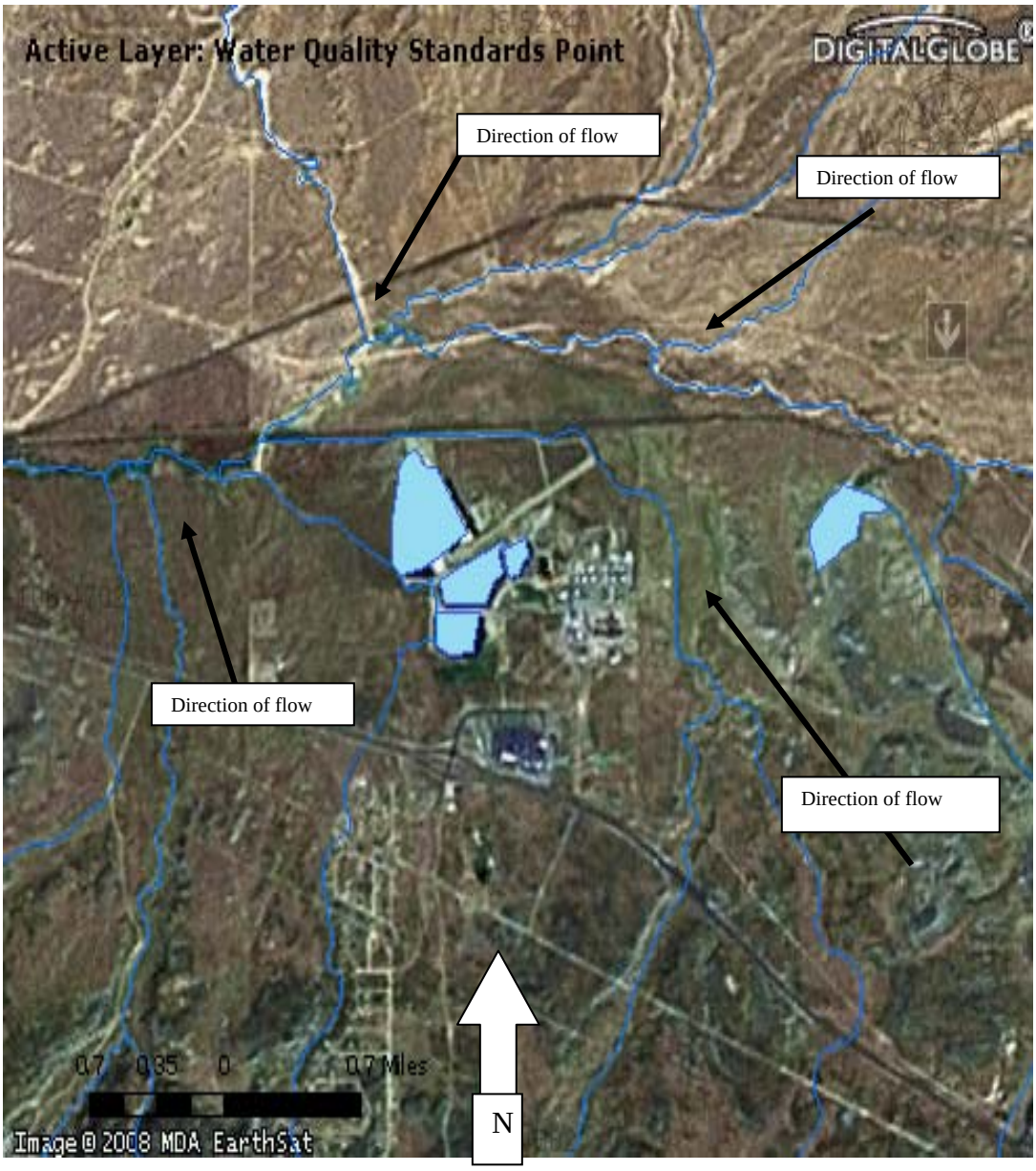
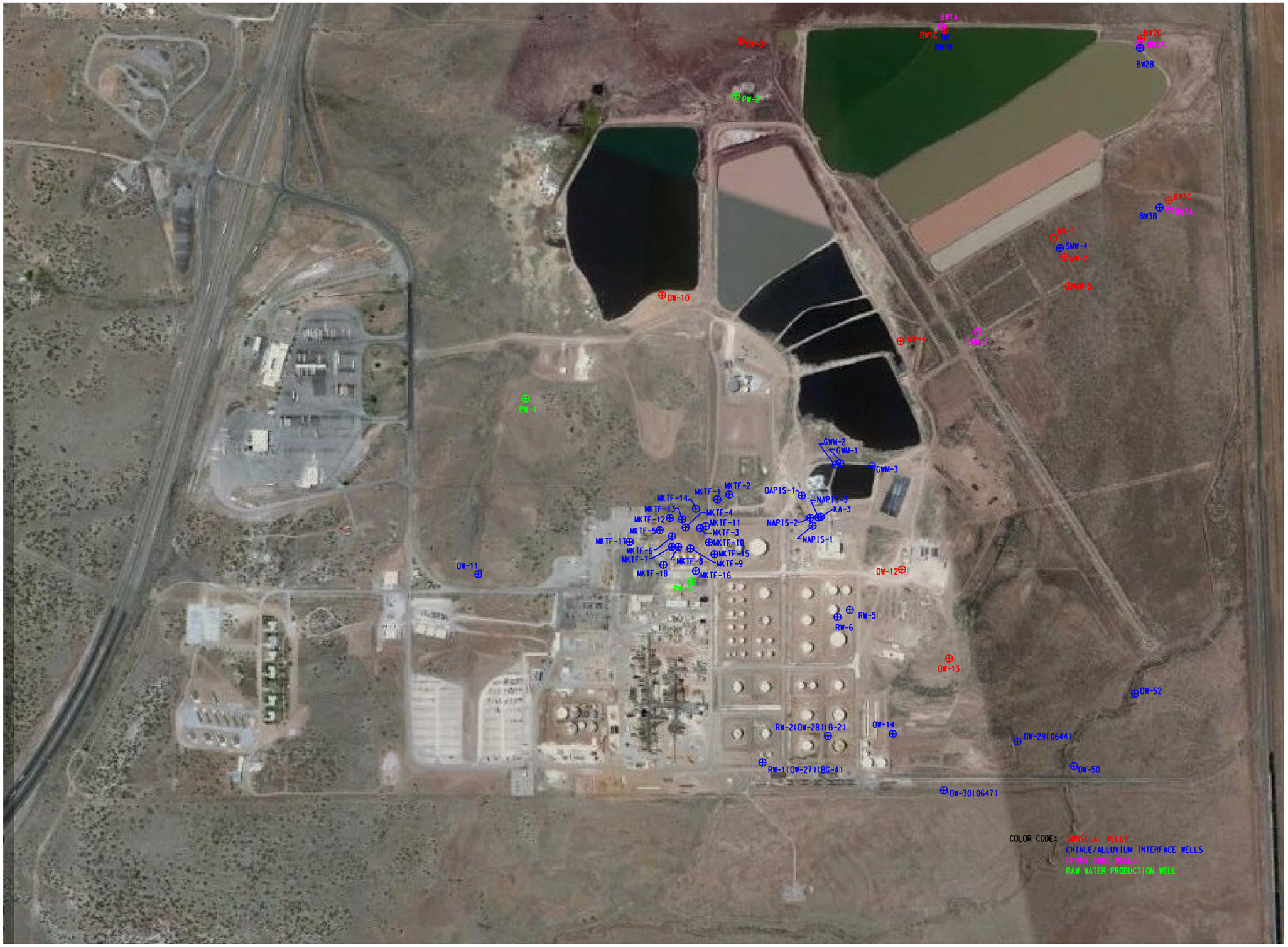


Figure 5: Localized scale: Flow lines and major surface water bodies (from: EPA Enviromapper - http://map24.epa.gov/EMR/?ZoomToWatershed=15020006) North is towards the top of the page. The pond to the east is Jon Myers' Livestock Pond.



4601 Ripley
El Paso, Texas
79922
915-584-1317

1"=500'

Project #: 0625725

Figure 6

FACILITIES AND WELLS

WESTERN REFINING - GALLUP REFINERY

Western Refining - Gallup Refinery
Interstate 40, Exit 39
Jamestown, New Mexico 87347

Date: August 14, 2014