FINAL

2010 ANNUAL OPERATIONS, MAINTENANCE, AND MONITORING SUMMARY REPORT

Main, Load Line 1, Advanced Oxidation Process and Load Line 4 Groundwater Treatment Plants

Operable Unit No. 2 (Groundwater)
Former Nebraska Ordnance Plant
Mead, Nebraska

Prepared for

United States Army Corps of Engineers
Kansas City District

April 2011

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I hereby certify that the enclosed *2010 Annual Operations, Maintenance, and Monitoring Summary Report – Main, Load Line 1, Advanced Oxidation Process and Load Line 4 Groundwater Treatment Plants*, shown and marked in this submittal, is that proposed to be incorporated with the Long Term Response Action Contract, United States Army Corps of Engineers, Kansas City District.

Reviewed by:

ECC Project Manager — Date 4/27/11

Accepted as a submittal:

USACE Contracting Officer — Date

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LIST OF ABBREVIATIONS AND ACRONYMS

%	percent
AOP	Advanced Oxidation Process
CD	compact disc
cfm	cubic feet per minute
COC	contaminant of concern
dP	differential pressure
EPA	United States Environmental Protection Agency
EW	extraction well
FEW	focused extraction well
GAC	granular activated carbon
GCW	groundwater circulation well
gpm	gallons per minute
GTP	groundwater treatment plant
HDPE	high-density polyethylene
HiPOx	HiPOx™ Advanced Oxidation Systems
lbs	pounds
LL	Load Line
µg/m^3	micrograms per cubic meter
µg/L	micrograms per liter
mg/L	milligrams per liter
ml/min	milliliters per minute
ND	non-detect
NOP	Nebraska Ordnance Plant
NPDES	National Pollutant Discharge Elimination System
O&M	operation and maintenance
OU	Operable Unit
ppb	parts per billion
ppm	parts per million
psi	pounds per square inch
QCSR	Quality Control Summary Report
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
ROD	Record of Decision
TCE	trichloroethene
TOC	total organic carbon
TO	Toxic Organic
TSS	total suspended solids
UV	ultraviolet
VOC	volatile organic compound
VPGAC	vapor phase granular activated carbon

1.0 INTRODUCTION

This 2010 Annual Operations, Maintenance, and Monitoring Summary Report for the former Nebraska Ordnance Plant (NOP) near Mead, Nebraska (Site) summarizes the Operations and Maintenance (O&M) activities performed during calendar year 2010. This O&M Annual report is a companion report to the Site 2010 Groundwater Monitoring Program (GMP) Annual Report. The groundwater treatment components are described below:

- O&M of the Main Groundwater Treatment Plant (GTP), which treats contaminated groundwater from extraction wells (EWs) (EW-01 to 10 and EW-16 and focused extraction wells [FEW]-11 and FEW-14);
- O&M of the Load Line (LL) 1 GTP, which treats TCE contaminated groundwater from EW-12;
- O&M of the Advanced Oxidation Process (AOP) GTP, which pre-treats TCE contaminated groundwater from FEW-11, prior to final polishing at the Main GTP.
- O&M of the LL4 GTP, which treats TCE contaminated groundwater from FEW-15; and
- O&M of one groundwater circulation well (GCW)-01.

The actual treatment capacities of Main, LL1, AOP and LL4 GTPs are 3,000 gallons per minute (gpm), 600 gpm, 600 gpm and 500 gpm, respectively. In accordance with the former NOP Record of Decision (ROD) and with Comprehensive Environmental Response, Compensation, and Liability Act requirements, the Main GTP and the LL1 GTP are Containment System components. The AOP GTP and LL4 GTP are focused extraction components. The GCW-01 treatment system is a focused extraction component with actual treatment capacity of 22 gpm (original design capacity 50 gpm).

The 2010 O&M activities for the Main, LL1, AOP and LL4 GTPs were performed in accordance with the Operable Unit (OU) 2 ROD and implemented in accordance with the following Site Groundwater Remediation site-specific plans and management tools:

- *Operation and Maintenance Manual, Remedial Design Groundwater Treatment (OU2), Former Nebraska Ordnance Plant, Mead Nebraska* (ECC, 2002)*;*
- *Operation and Maintenance Manual Load Line 1 Hydraulic Containment System Groundwater Treatment Plant Operable Unit No. 2 (Groundwater) Former Nebraska Ordnance Plant Mead, Nebraska* (ECC, 2007)*;*
- *Operation And Maintenance Manual EW-11 Advanced Oxidation Process Groundwater Treatment Facility Operable Unit No. 2 (Groundwater) Former Nebraska Ordnance Plant, Mead Nebraska* (ECC, 2008)*;*
- *Operation and Maintenance Manual Load Line 4 Focused Extraction System Groundwater Treatment Plant Operable Unit No. 2 (Groundwater), Former Nebraska Ordnance Plant, Mead, Nebraska*, (ECC, 2010a); and
- *Site-Wide Work Plan which include the Accident Prevention Plan and the Sampling and Analysis Plan, Support Services, Former Nebraska Ordnance Plant, Mead, Nebraska* (ECC, 2009).

This report contains the following Appendices (on compact disc [CD]):

- Appendix A Discharge Monitoring Reports
- Appendix B Process Flow Data for the Main Groundwater Treatment Plant
- Appendix C Monthly and Annual Flow Summary for the Main Groundwater Treatment Plant
- Appendix D Analytical Results Summary for the Main Groundwater Treatment Plant
- Appendix E 2010 Main Groundwater Treatment Plant Sludge Profile
- Appendix F Monthly Flow Summary for Load Line 1 Groundwater Treatment Plant
- Appendix G Analytical Results Summary for Load Line 1 Groundwater Treatment Plant
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- Appendix L Groundwater Circulation Well GCW-01 Operational Data
- Appendix M Analytical Results Summary for Groundwater Circulation Well GCW-01
- Appendix N Analytical Results Summary for Monitoring Wells Surrounding Groundwater Circulation Well GCW-01
- Appendix O Extraction Well Concentration Trending Data

2.0 SUMMARY OF 2010 ACTIVITIES FOR THE MAIN GROUNDWATER TREATMENT PLANT

The Main GTP was originally constructed between 1997 and 1998 to process 600 gpm of contaminated water from two extraction wells (EW-01 and EW-08). Between April 2000 and January 2002, the treatment capacity of the Main GTP was expanded by 2,400 gpm, for a total installed capacity of 3,000 gpm. The construction activities conducted between April 2000 and January 2002 included the installation of nine additional extraction wells (EW-02 to EW-07 and EW-09, EW-10, and FEW-11) and all associated piping and controls. The Main GTP system currently consists of eight liquid-phase carbon units supplied by a total of ten extraction wells to treat groundwater contaminated with hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) and TCE.

O&M of the original Main GTP began in 1998 with EW-01 and EW-08 coming online. O&M of the expanded Main GTP began in February 2002 after the successful completion of the performance tests. FEW-14 and EW-16 were installed between April and May 2009 and brought online in June 2009. Contaminated groundwater from FEW-14 and EW-16 is treated through the Main GTP. Contaminated groundwater from FEW-11 is pre-treated through the AOP GTP and sent for final polishing to the Main GTP. LL4 can discharge directly to Wahoo Creek or be diverted to the MTP for further polishing. During the summer months, treated groundwater can be diverted at several locations for beneficial reuse.

The following extraction wells associated with the Main GTP were online for all or part of 2010:

- EW-01
- EW-03
- EW-04
- EW-06
- EW-07
- EW-09
- EW-10 (online until February 2010)
- FEW-11 (pre-treatment at AOP GTP)
- FEW-14
- FEW-15 (online from August 2010 with pre-treatment at LL4 GTP)
- EW-16

EW-02, EW-05 and EW-08 were offline for all of 2010 as determined from the previous groundwater containment models and documented under O&M Annual Reports for 2008 and 2009.

Table 2-1 summarizes the frequency for 2010 O&M activities conducted for the Main GTP.

2.1 Extraction Well Flow Rates and Groundwater Pumping Level Elevations

The following 15 subsections describe the 2010 O&M activities completed at the Main GTP and its associated extractions wells. Appendix B, Sheet 1 provides a summary of the data recorded during 2010 for extraction well flow rates ("GPM" column), total well discharge ("Totalizer" column), and groundwater pumping level elevations ("Elevation" column).

Table 2-2 summarizes the operational set point flow rate and average flow rate, in gpm, for each extraction well and focused extraction well during 2010. During 2010, extraction well flow rates were recorded every day at each extraction well pump house control system. The groundwater pumping levels and extraction well flow rates were recorded from the controls computer at the Main GTP. Figure 2-1 shows the average monthly extraction well flow rates from 2010. The uptime and average flow rate during 2010 for each extraction well is provided in Table 2-2.

The initial total operational rate for the Main GTP system in January and February of 2010 was 2,303 gpm, when all wells associated with the Main GTP were operational except FEW-15 and EW-12 (associated with LL1 GTP). The total operational rate was reduced to 1,903 gpm in March and April of 2010 when EW-10 was taken off-line at the end of February 2010. The total operational rate increased to 2,278 gpm for May 2010 through July 2010 due to FEW-15 being brought online at a flow rate of 375 gpm. Starting in August and continuing through October 2010, the total operational rate was 2,403 gpm, because the flow rate from FEW-15 was increased to its set point rate of 500 gpm. In November 2010 the operational flow rate was 2,453 gpm because the flow from FEW-11/AOP was increased to 600 gpm (the original design rate), adding an extra 50 gpm.

As part of the extraction well maintenance program, step-drawdown pumping tests were performed on all operating extraction wells in 2010 to assess the specific capacity of each well and the need for redevelopment/rehabilitation. Review of extraction well operational flow rates and pumping water levels with respect to the top of the well screen were also considered to help determine potential rehabilitation needs. The *Annual Operations, Maintenance, and Monitoring Summary Report – Main Groundwater Treatment Plant, Load Line 1 Groundwater Treatment Plant, and Advanced Oxidation Process Groundwater Treatment Plant – Year 2009, Former Nebraska Ordnance Plant, Mead, Nebraska* (ECC, 2010e) recommended rehabilitation efforts in 2010 and 2011 as part of that evaluation and review. A summary of specific capacities for each extraction well through 2010 is provided in Table 2-3. Six extraction wells (EW-03, EW-04, EW-06, EW-07, EW-09 and EW-12) indicated a decrease in specific capacity of 20 percent (%) or greater. Possible causes for decline in specific capacities include bio-fouling, chemical and biological incrustation, and iron fouling. Rehabilitation of extraction wells EW-3, EW-4, and EW-12 was conducted in 2010 as recommended in the 2009 O&M Annual Report (ECC, 2010e).

Based on the specific capacity results presented in the Table 2-3, redevelopment/rehabilitation activities are recommended for wells EW-06, EW-07, and EW-09 in 2011. Chemical/physical methods used in the past for well and pump rehabilitation or treatment are recommended. Pre-treatment and post-treatment step-drawdown tests are also recommended to evaluate the effectiveness of the well rehabilitation efforts.

The performance of all active extraction wells and focused extraction wells should continue to be assessed annually. 2011 step-drawdown testing should be performed towards the end of the calendar year to match the 2010 step-drawdown testing dates. Consistency in operation of neighboring extraction wells should be considered during testing and assessment, due to overlapping radiuses of influence.

A month-by-month discussion of significant system activities and system performance are presented in Table 2-4.

2.2 Influent and Effluent Storage Tanks

Constant levels were maintained in both the influent storage tank (TK-131) and the effluent storage tank (TK-931) during 2010 for the Main GTP. The flow rates to the granular activated carbon (GAC) vessels from the influent storage tank varied due to the ramping and cycling of the influent pumps. The flow rate obtained from the computer panel is not precise because it is an accumulation of all the flow rates from individual wells; an accurate reading is obtained by measuring the flow rate at the respective flow meters in the extraction well pump houses. The effluent flow rate is a combination of two flow meter readings; one for Wahoo Creek and one for Clear Creek.

Appendix B, Sheet 2 includes a summary of data for storage tank water levels and flow rates (flow from wells, flow to GAC units, and effluent to creeks).

2.3 Pre-filters and Influent Pumps

The pre-filters (F-210, F-220, and F-230) remove solids greater than 180 microns coming into the Main GTP. Backwashing of filters occurred every six hours. The differential pressure (dP) readings were recorded from the local digital readout, from the controls computer, and from the actual pressure gauges. The difference in dP readings between these three sources can be attributed to the time lag between recorded data from the controls computer and recorded data from actual readouts at the pressure gauges. The pressure gauges are graduated in increments of 2 pounds per square inch (psi). Highlights associated with the operation of the pre-filters and the influent pumps are:

- On 4/8/2010, a new air compressor was installed to meet the specific requirements for operating the pre-filters. This air compressor was brought online 4/27/2010 and this helped in eliminating the need to operate the much larger compressor initially designed for the facility resulting in a significant energy savings. The use of the large air compressor will be limited to periodic operation of the filter press and during carbon change outs.
- On 5/13/2010, the operators installed an hour meter on air compressor AC-501 at Main GTP to track usage.
- On 5/20/2010, the operators disassembled decant pump P-721, cleared an obstruction in the impeller and then reinstalled the pump at Main GTP.
- On 5/20/2010, the operators replaced piping on the discharge end of decant pump P-721.
- On 5/25/2010, the operators replaced leaking valve on service water tank at Main GTP.
- On 6/10/2010, the operators changed oil and filters in Main GTP air compressor.
- On 7/26/2010, the operators installed strainer on line to decant pump P-721.
- On 7/13/2010, the operators disassembled decant pump P-721, cleaned the impeller and screen and then reassembled the pump.
- On 12/8/2010, the operators rebuilt the check valve on influent pump P-110.

Appendix B, Sheet 3 includes data on the pre-filter pressures for 2010 and the on/off status of the influent pumps. Appendix B, Sheet 3 demonstrates that two pumps were operational at all times to match the flow rate from the wells and the pumps cycle based on a timer set in the controls computer.

2.4 Granular Activated Carbon Vessels

The influent storage pumps transfer water from the influent storage tank to the eight GAC vessels. The flow is split into four parallel process streams (approximately 600 gpm each) with an allowable, maximum flow rate of 750 gpm per stream. Each process stream flows through a pair of GAC vessels. Each GAC pair consists of a lead and a lag vessel.

Each process stream has a flow meter to measure the flow rate. The flow meter readings were recorded and stored on the controls computer. Typical flow rates measured for the process streams ranged from 500 to 750 gpm. Occasional increases or decreases in flows outside of this range occurred when influent pumps equipped with variable frequency drives were either ramped up or down. Pressure readings measuring the dP across the GAC vessels and the individual column discharge pressures are recorded from the controls computer and the individual process stream gauges.

Appendix B, Sheet 4 includes the 2010 data for GAC flow rates, inlet pressures, and discharge pressures.

Backwashing of each GAC vessel was conducted as needed or when the dP across a GAC vessel was greater than 10 psi. Backwashing is conducted to remove any fines/particles that might hinder contaminant adsorption by the carbon media. Fines/particles are present in the influent contaminated water and in supplies of GAC. The fines/particles removed from the GAC vessels settle in settling tanks (TK-731 and TK-732) and are recovered using a filter press. Residue from the filter press operations is placed in 55-gallon drums, and disposed of at the Douglas County Landfill. The water for GAC backwashing was obtained from the service water tank (T-734) and transferred by the backwash feed pump (P-723). Backwash water flow rates and total flow are monitored at the local flow meter for P-723. After backwashing is completed, the vessels are placed online for normal operation. The dirty backwash water from vessels is sent to the settling tanks along with the fines/particles.

During 2010, each of the four lead GAC vessels was scheduled to be backwashed once a month on a rotating weekly basis (one lead vessel every week), if the dP approached the limit for backwashing criteria (10 psi), or as needed. No major dPs were observed at any of the four process streams that warranted a backwash outside of the routine schedule. Lag GAC vessel backwashes were performed once or twice after a carbon change-out on the vessel. Table 2-5 presents a summary of the actual backwashing events performed in 2010. The following are events related to operation of the GAC systems:

- The operators placed GAC 370 and 380 online on 1/11/2010 during and after the functional testing of the LL4 GTP with the effluent of the LL4 GTP was sent to the Main GTP.

- Carbon changes performed as described in Section 2.10.

Appendix B, Sheet 5 includes additional data on GAC vessel backwash events that provides the quantity of water that was processed for backwashing and the dP across each lead/lag pair. All backwash water is sent to the two settling tanks where the solids are removed by the filter press and disposed. Solids disposal is discussed in Section 2.13.

2.5 Effluent Flow

Each GAC process stream discharges to the effluent storage tank (TK-931). Water in the effluent storage tank is maintained at 15 feet (above tank bottom), matching the level in the influent storage tank. Water from the effluent storage tank is discharged to either Wahoo Creek or Clear Creek. The Main GTP effluent water discharged to Wahoo Creek is transferred by effluent pump P-921/922, and water discharged to Clear Creek is transferred by effluent pump P-724/725. During summer months, water discharged to Wahoo Creek was diverted for beneficial reuse, such as crop irrigation, by the local farmers.

The Main GTP uses a smaller pump (P-922) during the winter (October through May) and switches to the larger pump (P-921) during the summer so that water can be diverted for beneficial reuse. Effluent flow rates are monitored by the controls computer, and the totalizer readings are recorded from the local flow meters. The totalizer readings for the effluent flows represent an accurate reading of the volume of water discharged to each creek. The individual effluent pump pressures are recorded from the controls computer. No major variations in pressures were observed during 2010.

Events related to the effluent flow from the Main GTP to the two creeks are:

- Beginning in February 2010 stream level monitoring data for Wahoo Creek is obtained via the United States Geological Survey website.
- Beginning in April 2010, Johnson Creek stream level monitoring is accomplished through the use of a high level switch. This switch is connected to the EW-1 Program Logic Controller which transfers the data to the Main GTP.
- During week of 5/3/2010, the operators completed reassembly of the high pressure sustaining valve in the vault for the Wahoo Creek line. The operators then tested and adjusted the high pressure sustaining valve in the vault after completion.
- On 5/26/2010, the operators switched to high pressure pump P-921 for beneficial reuse (irrigation).
- On 7/22/2010, the operators repaired a leaking air relief valve on the effluent discharge line from the Main GTP.
- On 10/6/2010, the operators switched to the low pressure effluent pump, P-922, to Wahoo Creek because the irrigation season was over and there was no need for the large capacity pump, P-921, to be operated.
- On 10/6/2010, the operators replaced a leaking valve at the pressure sustaining vault on the effluent line to Wahoo creek.

Appendix B, Sheet 6 includes pressure data for the effluent pumps, effluent discharge data for each creek, and the totalizer readings for each creek discharge. Quarterly Discharge Monitoring Reports (Appendix A) are submitted to the Nebraska Department of Environmental Quality; the reports provide the quarterly minimum, maximum and average flows to Wahoo and Clear Creeks. These reports also provide the actual amount of contaminants discharged to the creeks compared to allowable limits.

2.6 Plant Flows and Contaminant Recoveries

The Main GTP processed 1,054,538,000 gallons of contaminated water during 2010. The average operating flow rate was 2,889,145 gallons per day (2,006 gpm). The Main GTP has processed 9,709,171,000 gallons since plant startup in February 2002. Each extraction well has a totalizing flow meter, or totalizer, installed on the discharge line in the pump house that registers the total flow of water from the well. The totalizer value is recorded at the end of the month. The sum of all extraction well totalizer values indicates how much water discharges into the influent storage tank. The totalizer values for the Wahoo Creek and Clear Creek effluent discharge lines are recorded from the local flow meters. The sum of the two totalizers indicates total flow discharged for the month and represents an accurate reading of the amount of water discharged. As calculated from monthly influent and effluent sample analytical data, the total amounts of TCE and RDX recovered in 2010 were 7.89 and 30.82 pounds (lbs), respectively. The amounts of TCE and RDX recovered from startup in February 2002 through 2010 were 362.37 and 186.71 lbs, respectively.

The mass recovery of contaminant is calculated using following equation:

$$\text{Amount of TCE/RDX recovered (lbs)} = \text{Influent TCE/RDX Concentration } (\mu\text{g/L}) \times \text{Effluent Flow (gallons)} \times 3.785 \text{ (L/gallon)} \times 1\text{E-}09 \text{ (kg/}\mu\text{g)} \times 2.204 \text{ (lbs/kg)}$$

Appendix C provides a summary of the monthly discharge (total flow) from each well, the monthly influent total flowing into the Main GTP, and the monthly discharge total to each creek. The Main GTP uptime is presented in Table 2-6. The flow meter readings from the extraction wells are independent from the flow meter readings from the plant effluent tank. The monthly flow meter readings from the extraction wells are added together to generate the monthly flow rate from the wells as a group. Discrepancies between total influent and total effluent rates are likely based upon the arrangement of storage tanks, influent pumps, and effluent pumps configuration. The influent pumps pump water from the influent storage tank and send it to the effluent storage tank after treatment. Effluent pumps pump water from the effluent storage tank for discharge to the creeks.

Figure 2-2 provides a monthly summary of both influent and effluent flow totals since startup of the expanded Main GTP in 2002 (including flow from the LL1, LL4 and AOP GTPs from 2006 to 2010).

2.7 Groundwater Levels

Groundwater levels were measured manually during each quarter (March, May, August, and October 2010) in the extraction wells and the associated observation wells and monitoring wells and are included in Appendix B.

2.8 Alarms

No significant alarms causing long-term shut downs (shut down longer than 8 hours and not weather related) occurred during 2010. A list of minor alarms that occurred each month was recorded and documented for 2010 under the monthly reports.

2.9 Major Shutdowns

Table 2-7 documents the shutdown history of the Main GTP in 2010.

2.10 Carbon Change Outs

Carbon change out was performed for the following GAC vessels:

- Vessels 320, 340 and 360 in April 2010;
- Vessels 310, 350 and 380 in June 2010; and
- Vessel 330 in July 2010.

During 2010, seven GAC vessels required carbon change out at 20,000 lbs of carbon per vessel. Change outs were performed when sufficient breakthrough (detectable concentrations of TCE greater than 2.5 parts per billion [ppb] and/or RDX greater than 1 ppb) was detected in the effluent from these vessels. Change outs were performed by Norrit Americas with the assistance of plant operators.

2.11 Analytical Sampling at Main Groundwater Treatment Plant

2010 sampling activities at the Main GTP and the extraction wells are listed below. Groundwater samples were collected from the extraction wells for volatile organic compounds (VOCs), explosive compounds, total suspended solids (TSS), and metals analyses quarterly during 2010 except as noted:

- The original 2010 sampling schedule consisted of sampling metals and TSS twice during the year (Second and Fourth Quarter events). In 2010, this schedule was followed by metals and TSS sampled in the First Quarter.
- The original 2010 sampling schedule for the Second and Fourth Quarter consisted of sampling for VOCs at EW-01 and FEW-11 only, and sampling for explosive compounds at all wells except for EW-01. In 2010, samples were collected during the First Quarter in addition to the scheduled sampling events except for EW-01 during the Third Quarter.

Plant influent and effluent samples and GAC lead vessel effluent samples were collected at the Main GTP every month. GAC lag vessels were sampled in January, March, June, September and November 2010. Plant influent samples were analyzed for VOC, explosive compounds, TSS, and total organic carbon (TOC). Plant effluent samples were analyzed for VOCs, explosive compounds and nitrates analyses. Plant effluent was tested for pH using field test kits at the Main GTP. GAC vessel effluent samples, were also analyzed for VOCs and explosive compounds. All samples were shipped to Test America Laboratories.

The analytical results for TCE and RDX from the Main GTP influents and effluents are summarized in Table 2-8. Table 2-8 also includes the discharge criteria (Final Target Groundwater Cleanup Goals) for TCE and RDX, the monthly effluent volumes, and the National Pollutant Discharge Elimination System (NPDES) Final Effluent Limitations Monitoring Requirements. Appendix D provides the 2010 analytical results summary for the extraction wells, Main GTP influent, Main GTP effluent, and GAC samples. Four quarterly Quality Control Summary Report (QCSR)s included within the Quarterly Summary Reports (ECC, 2010b, 2010c, 2010d, 2011a) provide detailed validated descriptions of the O&M sampling events for 2010 and were submitted separately.

Extraction Wells

VOCs: TCE was non-detect (ND) in all extraction well samples collected, except for those from EW-01 and FEW-11 and minor estimated detections of less than 1 ppb TCE from EW-03 and FEW-14. Detected TCE results ranged from 4.9 to 5.8 ppb in EW-01 and 1,900 to 2,800 ppb in FEW-11.

Trending data for TCE for the extraction wells is presented in Appendix O.

Explosives: RDX was detected at low levels in the samples collected from all extraction wells. Trace levels (approximately 1 to 2 ppb) of RDX were detected in samples collected from EW-01, EW-03, EW-06, EW-10 and EW-16. RDX concentrations in the samples collected from the remaining extraction wells (EW-04, EW-07, EW-09, FEW-11 and FEW-14) varied between 3 ppb in EW-11 and 16.9 ppb in EW-09. The highest RDX concentrations were detected in EW-09 and ranged from 16 to 16.9 ppb. Low levels of RDX (less than 0.1 ppb) also exist at EW-01.

Trending data for RDX in the extraction wells is presented in Appendix O.

TSS: TSS was ND in all extraction well samples, except those from EW-01, EW-06, EW-07, EW-09, EW-10, and FEW-11. Concentrations ranged from ND to 12.2 milligrams per liter (mg/L).

Metals: Concentrations of iron were observed in the samples collected from all of the extraction wells, with values less than 3.51 parts per million (ppm), or mg/L. Manganese levels varied between ND to 0.01 ppm in all extraction well samples except EW-01, which had detections ranging from 0.126 to 0.182 mg/L.

Influent

VOCs: TCE was detected in the influent samples with the highest detection observed from January 2010 at 8.1 ppb. As evidenced by individual extraction well sampling, all of the TCE in the plant influent came from EW-1 and FEW-11 (AOP effluent), with minor contributions from EW-03 and FEW-14 (less than 1 ppb). The plant influent concentrations for TCE have been very low (less than 1 ppb) except for the two events from January (8.1 ppb) and June (2.2 ppb) 2010. The reason for the spike in January 2010 of 8.1 ppb is unknown. A re-sample of the influent performed in early February 2010 was sent for analysis to a local laboratory and the TCE levels (1 ppb) were found to be consistent with historical data. The June 2010 data of 2.2 ppb TCE is due to excess TCE in the LL4 GTP effluent entering the Main GTP. TCE contaminated groundwater from FEW-11 is pre-treated through the AOP GTP and then sent to the Main GTP for polishing prior to discharge.

Explosive compounds: Detectable concentrations of RDX observed in the Main GTP influent samples were generally constant throughout 2010, ranging between 3.1 to 4.23 ppb. The individual extraction well sampling results indicate that all wells contributed RDX to the plant influent.

TOC: TOC concentrations in the plant influent samples were ND in 2010 except for the August 2010 sample with levels of 1.1 mg/L. TOC was analyzed in February, May, August, and November 2010, based upon past analytical history.

TSS: TSS concentrations in the plant influent samples were less than 1.8 ppm. TSS was analyzed in February, May, August, and November 2010, based upon past analytical history.

GAC Vessels

Concentrations of RDX (up to 0.9 ppb maximum) were detected in the effluent water samples collected from the lead GAC vessels. The treatment system routes the lead GAC vessel effluent through the associated lag vessel to capture any RDX that might break through.

Prior to the carbon change out, permissible guideline concentrations of TCE (less than 2.5 ppb were observed in the 2010 water samples collected from the lead GAC vessels. The only exception to the TCE detections being less than 2.5 ppb occurred during the June 2010 sampling event (TCE detected at 3.5 ppb) because the LL4 GTP was operating in May 2010 with the effluent TCE concentration at greater than 5 ppb. The LL4 GTP discharges to the Main GTP for final polishing. The treatment system routes the lead GAC vessel effluent through the associated lag vessel to capture any TCE that might break through.

Effluent

VOCs and explosive compounds were ND (detection limits of 0.17 ppb and 0.0367 ppb for TCE and RDX, respectively) in the plant effluent samples during 2010 except in May (TCE of 1.3 ppb) and October (TCE of 0.19 ppb). Nitrate concentrations were relatively constant throughout 2010 with an average value of 4.5 ppm. An average pH of 7.2 was observed in the plant effluent water throughout 2010 (see Appendix D for monthly data).

2.12 Wahoo and Clear Creeks

Effluent discharge at Wahoo Creek was inspected weekly throughout 2010; no notable issues were observed. Effluent discharge at Clear Creek was not inspected due to flows from the Main GTP being diverted by a local farmer.

2.13 Solids Waste Disposal

Backwash residue solids from the GAC units at the Main GTP are occasionally shipped to the Douglass County Landfill facility. The backwash residue solids are containerized in 55-gallon drums and shipped in a 12 cubic yard roll-off container. Table 2-9 shows the date and quantities of backwash residue solids shipped to the Douglas County Landfill. A representative sample of the solids was collected and analyzed for TCE by United States Environmental Protection Agency (EPA) Solid Waste (SW)-846 Method 8260B in January 2003 to establish a waste profile to verify that the waste acceptance criteria for the disposal facility were met. The current waste profile has been accepted by Douglas County Landfill until 2012.

Filter press sludge samples were not collected during 2010. The Douglas County Landfill, where the sludge is shipped, indicated that re-profiling the residue was not required because the Main GTP process generating the residue had not changed. Concentrations observed in samples collected during January 2003 were used as baseline data for the residue profile. The sludge profile data are included as Appendix E. The Douglas County permit was renewed in June 2009 and is good for 3 years (next due in June 2012) unless the Main GTP process changes.

2.14 Main Treatment Plant Safety

No reportable safety-related incidents occurred in 2010 at the NOP Main GTP.

2.15 Pilot Ultraviolet System Study at EW-09

A pilot study was conducted at EW-09 using the ultraviolet (UV) system from the abandoned GCW-02 system to understand the destruction efficiency of RDX prior to discharge to the Main GTP. This study was conducted from March to May 2010. A report was generated in May 2010 that described the study results and provided recommendations for continued operation.

Based upon the analytical results from the mobile laboratory and the off-site analytical laboratory, the destruction efficiency was calculated to be between 35% and 70%. The calculated destruction results from the mobile laboratory data varied between 38% and 70%; however, the calculated results from the off-site laboratory data were only 35% destruction. The more conservative value (35%) was selected to be representative of the UV treatment destruction efficiency.

The UV system was shut down in early June 2010 due to the system requiring a replacement for the temperature sensor. Based upon the varying changes in the Main GTP influent RDX concentrations (see Table 2-8 for the period March to June 2010), even a one-tenth change in the Main GTP influent RDX concentration made a significant difference in how much cost savings

could be realized during O&M of the UV system at EW-09. The UV system has not been operated since the pilot study was completed, although the UV system is still at EW-09. The planned schedule is to bring the UV system back online for a period of 4 to 6 months in 2011 and procure more data at EW-09 and at the Main GTP to provide a recommendation on whether operating it in the future would be warranted.

3.0 SUMMARY OF 2010 ACTIVITIES FOR THE LOAD LINE 1 GROUNDWATER TREATMENT PLANT

The LL1 GTP was constructed between October 2005 and January 2006. The LL1 GTP consists of a 5-tray, low-profile air stripper and a vapor phase granular activated carbon (VPGAC) to treat groundwater contaminated with TCE. The treatment system is housed in a steel building 46 feet long and 40 feet wide. The system was designed for a total flow rate between 600 and 750 gpm from two extraction wells (EW-12 and EW-13). The building is set up to allow for future expansion with a second similar treatment system. Controls between the wells and building have been placed underground in conduits unlike those in the Main GTP wells (controls are installed through radio telemetry). Plant startup occurred between January 8 and 11, 2006, with only EW-12 online, because the sustained yield from EW-13 was insufficient (approximately 50 gpm) and a replacement location for EW-13 was not finalized at that time.

O&M of the LL1 GTP began on February 13, 2006. Well uptime for EW-12 during 2010 is provided in Table 2-2. LL1 GTP uptime is presented in Table 2-6.

The following list summarizes the 2010 O&M activities performed at the LL1 GTP:

- Recorded flow data each work day to document LL1 GTP and extraction well performance;
- Conducted weekly O&M inspections;
- Conducted O&M sampling at the GTP and EW-12; and
- Conducted required LL1 preventative and routine maintenance during 2010.

3.1 Extraction Well Flow Rates

The original design for the LL1 GTP included two extraction wells (EW-12 and EW-13); however, only EW-12 currently provides groundwater to the LL1 treatment facility. After EW-13 was completed, data indicated that the aquifer material in the vicinity of EW-13 has a transmissivity that is too low to sustain the designed flow rate. However, optimization modeling simulation indicated that EW-13 may provide additional containment in the future if the contaminant plume shifts to the east. Appendix F provides a summary of the data recorded during 2010 for extraction well flow rates ("GPM" column), total well discharge ("Totalizer" column), and groundwater pumping level elevations ("Elevation" column). Flow for EW-12 during 2010 was constant and the monthly average flow rates for EW-12 are shown in Figure 2-1. Table 2-2 also shows the yearly average flow rate for EW-12. The adjusted average annual flow rate for EW-12 was 285 gpm during 2010 (operational set point rate was 330 gpm for all of 2010).

The following activities at LL1 GTP associated with the extraction well flow rates were conducted in 2010:

- On 4/2/2010 – The operators installed a new low level probe at EW-12.
- August 2010 – Flows from EW-12 had been constantly decreasing for the previous 2 months (averaging 284 gpm compared to the design flow of 325 gpm) potentially due to well fouling and thereby requiring pump maintenance.
- November 2010 – rehabilitation of EW-12 was scheduled and completed.

3.2 Air Stripper

The flow from EW-12 is directed to the inlet of a low-profile, 5-tray air stripper. Two air inlets in the air stripper provide clean air where the contaminant (TCE) in the influent water are transferred to the air, resulting in treated effluent water and contaminated air. The treated water is collected in the sump of the air stripper and then transferred by an external discharge pump from the air stripper sump to the 12-inch high-density polyethylene (HDPE) effluent discharge pipeline. Contaminated air from the air stripper is directed to the VPGAC vessel for treatment using a blower. The 12-inch HDPE effluent discharge pipeline is connected to the existing 18-inch HDPE effluent pipeline from the Main GTP. The following activities were associated with the air stripper and blower in 2010:

- May 2010 - The operators replaced drive belts on the blower at LL1 GTP. The operators also replaced the sight tube on the air stripper.
- June 2010 - The operators replaced a coupler on the discharge pump.
- November 2010 – The operators replaced the bearings for the blower.

3.3 Vapor Phase Granular Activated Carbon

The contaminated air from the air stripper is treated by the VPGAC vessel, which contains 5,000 lbs of carbon. Emissions from the GAC vessel are not to exceed 253 micrograms per cubic meter ($\mu g/m^3$) for TCE. The results were compared to a limit of 253 $\mu g/m^3$ that represents the modeled concentration necessary to assure that the EPA Region 9 Preliminary Remediation Goal of 0.017 $\mu g/m^3$ is not exceeded at the property boundary. The treated air, which meets the vapor emissions limit, is then released through a stack above the LL1 GTP building into the atmosphere.

Appendix G presents the analytical results for the VPGAC. LL1 GTP had no air emission exceedances in 2010, based upon results of the air effluent samples.

3.4 Effluent and Plant Flow

The LL1 GTP treated 146,628,500 gallons of water during 2010. The amount of water treated at the LL1 GTP from startup in January 2006 through 2010 was 766,410,500 gallons. The amount of TCE recovered during 2010 was 39.97 lbs. The amount of TCE recovered from startup in

January 2006 through 2010 was 125.4 lbs. The mass recovery of this contaminant is calculated using following equation:

$$\text{Amount of TCE recovered (lbs)} = \text{(Influent - Effluent) TCE Concentration } (\mu\text{g/L}) \text{ x Effluent Flow (gallons)} \text{ x 3.785 (L/gallon) x 1E - 09 (kg/}\mu\text{g) x 2.204 (lbs/kg)}$$

All flow data for the LL1 GTP system are provided in Appendix F, and all analytical data are presented in Appendix G.

3.5 Alarm Log

No major alarms leading to long-term shut downs of LL1 GTP occurred in 2010. A list of minor alarms that occurred each month was included with the respective monthly reports for 2010.

3.6 Vapor Phase Granular Activated Carbon Change Out

Carbon change outs were not required at the LL1 GTP in 2010.

3.7 Groundwater Levels

Groundwater level elevations for the extraction wells were recorded from the computer control panel and are included in Appendix F. Groundwater levels were manually measured quarterly (March, May, August, and October 2010) in the extraction wells and the associated monitoring and observation wells.

3.8 Analytical Sampling at Load Line 1 Groundwater Treatment Plant

In accordance with O&M Sampling and Analysis Plan requirements, influent and effluent water and VPGAC emissions at LL1 GTP were sampled during 2010. Monthly and quarterly sampling of the LL1 GTP influent, effluent, and VPGAC emissions provides adequate data to calculate the monthly 30-day limits.

The 2010 analytical results summary for the LL1 GTP is provided in Appendix G. QCSRs provide detailed descriptions of the O&M sampling events for 2010 (ECC, 2010b; ECC, 2010c; ECC, 2010d; and ECC, 2011).

3.8.1 Water Analytical Sampling at LL1 Groundwater Treatment Plant

LL1 GTP influent and effluent water samples were analyzed monthly and quarterly for VOCs, explosive compounds, TSS, TOC, and nitrates. Explosive compounds, TSS, TOC, iron and manganese were analyzed quarterly. The purpose of this sampling was to monitor plant efficiency and to verify that project discharge parameters were met in accordance with NPDES permit equivalency.

Influent

As expected from the groundwater modeling data, results indicated that TCE concentrations in the LL1 GTP influent were increasing throughout 2010 and varied between 27 and 43 ppb, as shown on Table 3-1. Explosive compounds were not detected in any of the influent samples collected in 2010, which is consistent with historical results. Table 3-1 summarizes the analytical results for TCE and RDX from the LL1 GTP influent and effluent. Table 3-1 also includes the NPDES discharge criteria (Final Target Groundwater Cleanup Goals) for TCE and RDX, the monthly effluent volumes, and the NPDES effluent limits.

Appendix G documents the results for TSS, nitrates, TOC, and metals (iron and manganese) in the influent. TSS was detected below 1.4 ppm. Nitrate levels were also constant throughout 2010 with values of 9.8 to 11 ppm. TOC was detected at less than 2 ppm. Iron and manganese have been ND during most all the sampling events since startup (January2006).

Effluent

VOCs and explosive compounds were ND in the effluent samples throughout 2010, with the exception of one estimated value for TCE, which was less than 0.5 ppb.

3.8.2 Air Analytical Sampling at Load Line 1 Groundwater Treatment Plant

The emissions from the VPGAC were sampled quarterly during 2010. The air samples were collected in a one-liter SUMMA® canister from the discharge stack and analyzed by EPA method Toxic Organic (TO)-15 in accordance with the schedule in Table 7-1 of the LL1 O&M Manual. Carbon change outs were not performed during 2010.

Table 3-2 provides the analytical results for LL1 GTP air emissions. Appendix G summarizes the analytical results for TCE in the LL1 GTP air emissions. All 2010 air emissions samples were non-detected for TCE which indicates that the vapor treatment system was operating properly. The laboratory reporting limit for TCE is 5.7 $\mu g/m^3$ (1.1 parts per billion by volume).

3.9 Major Shutdowns at the Load Line 1 Groundwater Treatment Plant

Table 3-3 documents the major shutdowns of the LL1 GTP in 2010.

3.10 Load Line 1 Plant Safety

No reportable safety-related incidents occurred at the LL1 GTP in 2010.

4.0 SUMMARY OF 2010 ACTIVITIES FOR THE ADVANCED OXIDATION PROCESS TREATMENT PLANT

The AOP GTP was designed and operated to pre-treat the groundwater from FEW-11 for TCE, prior to final processing at the Main GTP. The AOP treatment system includes modified discharge piping and a new submersible pump at FEW-11 to accommodate the design flow rate of 550 gpm; new influent/effluent piping connections to the existing influent pipeline (between FEW-11 and the Main GTP) to divert the flow from FEW-11 through the new AOP treatment facility; and the process equipment necessary to reduce the concentration of TCE in the contaminated groundwater from FEW-11.

The AOP system consists of a HiPOx™ Advanced Oxidation Systems (HiPOx) reactor skid where the reaction of peroxone with TCE occurs. In addition to the HiPOx skid, the system is supported by a hydrogen peroxide skid, an air compressor, a pressure swing adsorption oxygen system, and an ozone generator.

The O&M for the AOP system began on March 24, 2008. Well uptime for FEW-11 during 2010 is provided in Table 2-2. AOP GTP uptime is presented in Table 2-6.

The following list summarizes the O&M activities performed during 2010 at the AOP GTP:

- Recorded flow data each work day to document plant and FEW-11 performance,
- Conducted weekly O&M inspections,
- Conducted O&M sampling at the GTP and FEW-11, and
- Conducted required routine and preventative maintenance at the AOP GTP.

4.1 Extraction Well Flow Rates

FEW-11 was included as part AOP GTP start-up on March 24, 2008. The 2010 monthly average flow rates for FEW-11 are shown in Figure 2-1. Discharge from FEW-11 is treated through the AOP GTP. Appendix H provides a monthly flow summary during 2010. Flow for FEW-11 during year 2010 was generally constant. The adjusted average annual flow rate for FEW-11 was 453 gpm during 2010 (Table 2-2) and the operational rate is 550 gpm.

4.2 Peroxide Unit

The hydrogen peroxide system stores and meters aqueous hydrogen peroxide into the contaminated water from FEW-11. The system includes a double-walled polyethylene storage tank with level transmitter, calibration cylinder, dual metering pumps, flow transmitter, and back pressure control valve. The metered hydrogen peroxide stream is then injected into the contaminated water just prior to a static mixer within the reactor vessel.

To insure the contaminated water is properly treated per specifications, the control system adjusts and monitors hydrogen peroxide flow. The system will set off an alarm and then shut down the HiPOx^{TM} system if the proper flow is not maintained. Hydrogen peroxide was delivered to the AOP GTP each month from January through December 2010. The amount of hydrogen peroxide used during 2010 was 3,087 gallons.

The ozone and hydrogen peroxide dosages were set on November 24, 2010 at 9 micrograms per liter (µg/L) and 30 milliliters per minute (ml/min), respectively, based upon the increasing effluent TCE concentrations. Effluent TCE concentrations will be monitored and ozone/hydrogen peroxide dosages will be adjusted in the future based upon varying influent TCE concentrations and the corresponding effluent TCE concentrations.

4.3 Ozone Unit

The ozone system includes the ozone generator, an ozone analyzer, a pneumatic shutoff valve, pressure transmitter and gauge, and check valve. The ozone system is constructed of non-reactive materials including stainless steel or Teflon piping/tubing. The following repairs were made to the ozone unit, air compressor and the oxygen generator during O&M:

- January 2010 - The operators replaced parts on the air compressor, changed oil, filter, oil separator, and new radiator.
- April 2010 - The operators repaired the ozone monitor flow meter AC-500, and renewed the catalyst in the ozone destruct unit.
- May 2010 - The operators completed maintenance at the AOP GTP, replaced a bulb in the HC-500 ozone monitor.
- June 2010 - The operators replaced the digital controller in the ozone generator and placed the generator system back in automatic.
- June 2010 - The operators serviced the air compressor at AOP GTP.
- June 2010 - The operators serviced and calibrated the ambient ozone monitor.
- June 2010 - The operators removed the ozone analyzer for annual service and calibrated the unit.
- September 2010 - The operators worked on construction of a stand for the new ozone destruct unit.
- September 2010 - The operators wired in heaters on the new ozone destruct unit at the AOP GTP.
- October 2010 - The operators serviced and calibrated the ambient ozone analyzer at the AOP GTP.
- October 2010 - The operators repaired the radio antenna at the AOP GTP.
- November 2010 - The ozone and hydrogen peroxide dosages were set at 9 µg/L and 30 ml/min, respectively, on November 24.
- December 2010 - The operators changed the oil in the air compressor and repaired a leak in the ozone gas separator tank.
- December 2010 - The operators replaced nitrogen filters on the pressure swing absorption unit (oxygen generator).

4.4 Effluent and Plant Flow

The amount of water treated through the AOP GTP during 2010 was 235,914,000 gallons. The total amount of water treated through the AOP GTP was 685,941,000 gallons since startup in March 2008. The amount of TCE destroyed during 2010 was 3,769.8 lbs. The amount of TCE destroyed by the AOP GTP since March 2008 through 2010 was 14,826.2 lbs. The mass of TCE destroyed is calculated using following equation:

$$\text{Amount of TCE recovered (lbs)} = \text{(Influent - Effluent) TCE Concentration } (\mu\text{g/L}) \text{ x Effluent Flow (gallons)} \text{ x 3.785 (L/gallon) x 1E - 09 (kg/}\mu\text{g) x 2.204 (lbs/kg)}$$

The quantity of TCE destroyed is calculated on a monthly basis using the flow rates and the influent and effluent analytical results for a particular month. The monthly totals are then compiled to generate the annual totals. The monthly flow summary for the AOP GTP is provided in Appendix H and analytical results are provided in Appendix I.

4.5 Alarm Log

No major alarms leading to long-term shut downs were observed during 2010. A list of minor alarms that occurred each month is included with the respective monthly O&M reports for 2010.

4.6 Groundwater Levels

Groundwater level elevations for FEW-11 (Sheet 1 of Appendix B) were recorded from the computer control panel (March, May, August, and October 2010).

4.7 Analytical Sampling at the Advanced Oxidation Process Groundwater Treatment Plant

In accordance with O&M Sampling and Analysis Plan requirements, influent and effluent water at the AOP GTP were sampled every month during 2010. Analytical results for the AOP influent and effluent are presented in Table 4-1. Influent concentrations of TCE ranged between 1,200 and 2,800 ppb during 2010. Effluent concentrations of TCE varied between ND and 7.2 ppb, which was well below the design pre-treatment criteria of 10 ppb. Influent concentrations of RDX varied between 2.7 and 4.54 ppb with little treatment through the AOP system. Effluent concentrations of RDX varied between 2.4 and 3.4 ppb. Influent TOC levels were less than 1 ppm during 2010. Appendix I provides the historical (including 2010) analytical results summary for the AOP GTP. QCSRs provide detailed descriptions of the O&M sampling events for 2010 (ECC, 2010b; ECC, 2010c; ECC, 2010d; and ECC, 2011).

4.8 Major Shutdowns at the Advanced Oxidation Process Facility

Table 4-2 documents the major shutdowns of the AOP in 2010.

4.9 Advanced Oxidation Process Plant Safety

No reportable safety-related incidents occurred in 2010 at the AOP GTP.

5.0 SUMMARY OF 2010 ACTIVITIES FOR THE LOAD LINE 4 GROUNDWATER TREATMENT PLANT

The LL4 GTP was constructed between September 2009 and April 2010. The LL4 GTP building dimensions are 30 feet by 40 feet. TCE contaminated groundwater is treated using a 6-tray low-profile air stripper and a VPGAC. The system was designed as a 5-tray system for a flow rate in the range of 500 gpm to 600 gpm from one focused extraction well (FEW-15). The building was constructed to allow for future expansion with a second similar treatment system. Communications between the EW-15 and the LL4 GTP are through radio telemetry as is communication between the LL4 GTP and the Main GTP. The initial startup and performance testing of the plant was conducted between April 5, 2010 and April 15, 2010. Results from the performance testing of the LL4 GTP initially indicated the TCE removal was not performing as designed. The LL4 GTP was modified with the addition of another tray (sixth tray) in August 2010 and performance testing was conducted again at the end of August 2010. Additional details are provided in the LL4 Construction Closure Report.

O&M of the LL4 GTP began on August 29, 2010. Well uptime for FEW-15 during 2010 is provided in Table 2-2. LL4 GTP uptime is presented in Table 2-6.

The following list summarizes the 2010 activities performed at the LL4 GTP:

- Recorded flow data each work day to document LL4 GTP and extraction well performance;
- Conducted weekly O&M inspections;
- Conducted O&M sampling at the LL4 GTP and FEW-15 and
- Conducted required LL4 preventative and routine maintenance during 2010.

5.1 Extraction Well Flow Rates

FEW-15 provides groundwater contaminated with TCE to the LL4 GTP. Appendix J provides a summary of the data recorded during 2010 for FEW-15 flow rates ("GPM" column), total well discharge ("Totalizer" column), and groundwater pumping level elevations ("Elevation" column). Flow for FEW-15 since August 2010 was constant and the monthly average flow rates for FEW-15 are presented on Figure 2-1. Table 2-2 also shows the yearly average flow rate for FEW-15. The adjusted average annual flow rate for FEW-15 was 364 gpm during 2010 (operational set point rate was 500 gpm for 2010). This analysis is based upon five months of data (August to December 2010) since LL4 system went into O&M in August 2010.

The following activities at LL4 GTP associated with the extraction well flow rates were conducted in 2010:

- Initial functional testing of FEW-15 in April 2010 at 500 gpm.
- Temporary operation of FEW-15 from May to July 2010 at 375 gpm.
- Operation of FEW-15 at 500 gpm following successful performance testing of the well and LL4 GTP late in August 2010.

5.2 Air Stripper

The flow from FEW-15 is directed to the inlet of a low–profile, 6-tray air stripper. Two air inlets in the air stripper provide clean air where the contaminants (TCE) in the influent water are transferred to the air, resulting in treated effluent water and contaminated air. The treated water is collected in the sump of the air stripper and then transferred by a discharge pump from the air stripper sump to the 8-inch HDPE discharge pipeline discharging to existing Main GTP influent line or an option by a booster pump from the air stripper to an 8-inch HDPE effluent discharge pipeline discharging to an existing effluent line from the Main GTP to Wahoo Creek. Contaminated air from the air stripper is directed to the VPGAC vessel for treatment using a blower. The following were activities conducted in 2010 with the air stripper system and the components that are interconnected with this system:

- August 2010 - Installation of sixth tray for the air stripper and associated plumbing week of August 16, 2010.
- August 2010 – 3-day Performance Test of modified LL4 GTP at 500 gpm (August 26 to 29, 2010). Blower flow at start up, 3-day performance test and the start of O&M was set at 3,700 cubic feet per minute (cfm).
- September 2010 - Plant back online after the carbon change out (September 14, 2010) on September 16, 2010.
- October 2010 – Plant brought back online again on October 18, 2010 after plant shut down on September 30, 2010 and carbon change out on October 15, 2010. The blower flow was adjusted to 3,000 cfm.
- November 2010 - The operators installed new gauges for the blower and the carbon vessel.
- November 2010 - The air flow was adjusted to 2,500 cfm on November 9, 2010 and influent and effluent for water and air was sampled on November 10, 2010. Results received from the November 10, 2010 sampling event did not show a marked change in the VPGAC performance. The air flow was re-adjusted to 3,000 cfm on November 18, 2010.
- December 2010 – Air flow rate adjusted back to maximum at 3,700 cfm.

5.3 Vapor Phase Granular Activated Carbon Unit

The contaminated air from the air stripper is treated by the VPGAC vessel, which contains 8,000 lbs of carbon. The treated air is then released through a stack above the LL4 GTP building into the atmosphere. Similar to the LL1 GTP, the treated air results were initially compared to a discharge limit of 253 $\mu g/m^3$ (established in URS conceptual design).

The following events occurred between August and December 2010 that relates to the operation of the blower and the VPGAC vessel and is explained on a month by month basis:

September 2010

Immediately following the 3-day performance test conducted from August 26 to 29, 2010 and placing the LL4 system into the O&M mode of operation, air emission data from the GAC vessel

effluent showed levels exceeding the 253 µg/m^3. The actual value was 260 µg/m^3 for a sample collected on August 31, 2010. The LL4 GTP was shut down on September 3, 2010 and a carbon change was ordered and performed on September 14, 2010. The LL4 GTP was re-started on September 16, 2010 and the air effluent was sampled on September 22, 2010. Results received on September 30, 2010 again exceeded the discharge limit with a detection of 1,200 µg/m^3. The LL4 GTP was shut down on September 30, 2010 due to high air emissions exceeding the project emission criteria. Investigations of causes affecting the breakthrough of the VPGAC were conducted.

October 2010

As noted under September 2010 events, the GTP was shut down on September 30, 2010 due to high air emissions. A carbon change out was performed on October 15, 2010; the GTP was brought back online on October 18, 2010 and operated for the rest of the month. The blower was adjusted to 3,000 cfm on October 22, 2010. Influent and effluent air samples were collected and analyzed for TCE on 10/28/2010 as part of the November 2010 sampling event.

In addition, the following sampling was performed in October not related to the regular O&M sampling of the LL4 GTP, but rather was completed to investigate the cause of high TCE air emissions from the VPGAC unit:

- The LL4 ambient air was sampled on October 7, 2010 to check for compounds outside the VOC Gas Chromatogram/Mass Spectrometry range. Results were ND for most of compounds except for typical air ambient levels (in ppb range).
- The LL4 influent water was sampled on October 8, 2010 for semi-volatile organic compounds (8270D method). Results were ND for all compounds.
- Spent carbon from the change out on October 15, 2010 were analyzed (3 samples). Samples of carbon located in top and bottom of the vessel were analyzed for total VOCs. VOCs were present only in one sample and not in the two other samples.

November 2010

The air flow was adjusted to 2,500 cfm on November 9, 2010 and influent and effluent water and air samples were collected for analysis on November 10, 2010. The air flow was adjusted to see if it had any effect on the distribution of the air through the carbon vessel thereby showing marked improvement in the TCE air removal efficiency. Results received from this November sampling event did not show a marked change in the VPGAC performance.

The air flow was re-adjusted to 3,000 cfm on November 18, 2010.

Two sampling events were conducted at the LL4 GTP for the November 2010 sampling event. The first sampling event was the regular event with a sampling date of October 28, 2010. Samples were collected for TCE analysis at the water influent and effluent sampling locations. TCE in the influent water was 600 µg/L and TCE in effluent water was 0.72 µg/L; consistent with the previous months results with a treatment efficiency of 99.9% for the air stripper. Influent and effluent air samples were also collected. Results showed 11,000 µg/m^3 in the

influent air and 840 µg/m^3 in the effluent air with a treatment efficiency of 92.3% for the VPGAC unit. The air flow rate corresponding to the sampling event was 3,000 cfm.

The second sampling event was conducted on November 10, 2010 to investigate whether a reduction in the air flow rate would lead to higher treatment efficiency. Samples were again collected for TCE at the water influent and effluent sampling locations. TCE results in water for both the influent and effluent samples were 620 µg/L and 1.5 µg/L, respectively, with a treatment efficiency of 99.8% for the air stripper. Influent and effluent air samples were also collected. Air sample results were 16,000 µg/m^3 in the influent air and 700 µg/m^3 in the effluent air with a treatment efficiency of 95.6% for the VPGAC unit. The air flow rate corresponding to the sampling event was 2,500 cfm. As discussed in the first paragraph, results did not show a marked change in the VPGAC performance.

December 2010

Two sampling events were conducted at the LL4 GTP for the December 2010 sampling event. The first sampling event was the regular event with a sampling date of December 1, 2010. Samples were collected for TCE and nitrate analysis at the water influent and effluent sampling locations. TCE results for the influent water (550 µg/L) and effluent water (1.2 µg/L) were consistent with the previous month's results, with a treatment efficiency of 99.8% for the air stripper. An influent air and effluent air sample were also collected. Results showed 550 µg/m^3 TCE in influent air and 600 µg/m^3 TCE in effluent air for the VPGAC unit. The anomaly in the results can be attributed to possible sampling technique in the collection of the sample using a SUMMA® canister or could be a potential low concentration slug in the influent. The air flow rate corresponding to the sampling event was 3,000 cfm.

The second December sampling event was conducted on December 15, 2010 at the higher maximum air flow of 3,700 cfm. Samples were collected for TCE analyses only for influent and effluent water samples. TCE concentrations in the influent water were 540 µg/L and in the effluent water were 0.61 µg/L; with a treatment efficiency of 99.9% for the air stripper. An influent air sample and effluent air sample were also collected. Results showed TCE concentrations in the influent air of 450 µg/m^3 and 76 µg/m^3 for the effluent air. Prior to this second sampling event, 8,000 lbs. of spent carbon were removed from the VPGAC unit and stored in sack bags in the GTP on December 14, 2010. 5,000 lbs of unused carbon previously stored in the GTP were transferred to the unit (12/14/10) and the GTP re-started the same day.

Appendix K presents all the analytical results for the VPGAC unit.

5.4 Effluent and Plant Flow

The LL4 GTP treated 135,117,000 gallons of water during 2010. Throughout 2010, all treated water was discharged to the Main GTP as a precautionary measure for final polishing of TCE at the Main GTP. The amount of TCE recovered from startup in 2010 was 899.2 lbs. The mass recovery of contaminant is calculated using following equation:

$$\text{Amount of TCE recovered (lbs)} = \text{(Influent - Effluent) TCE Concentration } (\mu\text{g/L}) \text{ x Effluent Flow (gallons)} \text{ x 3.785 (L/gallon) x 1E - 09 (kg/}\mu\text{g) x 2.204 (lbs/kg)}$$

All flow data for the LL4 GTP system are provided in Appendix J and all analytical data are presented in Appendix K.

5.5 Alarm Log

No major alarms leading to long-term shut downs of LL4 GTP were observed in 2010. A list of minor alarms that occurred each month was included with the respective monthly reports for 2010.

5.6 Vapor Phase Granular Activated Carbon Change Out

Carbon change outs were performed at the LL4 GTP in 2010 on the following dates.

- July 14, 2010 – 8,000 lbs of virgin coconut carbon.
- September 14, 2010 – 8,000 lbs of virgin coconut carbon.
- October 15, 2010 – 8,000 lbs of virgin coconut carbon.
- Removal of 8000 lbs of carbon from the October 15, 2010 change out and re-installation of 5,000 lbs of unused carbon removed from the September 14, 2010 change out event.

5.7 Groundwater Levels

Groundwater level elevations for FEW-15 were recorded from the computer control panel and are included in Appendix J. Groundwater levels were manually measured quarterly (August, and October 2010) in FEW-15 and its associated monitoring and observation wells.

5.8 Analytical Sampling at LL4 Groundwater Treatment Plant

In accordance with sampling requirements, influent and effluent water and VPGAC emissions at LL4 GTP were sampled since startup in August 2010. Monthly sampling of the LL4 GTP influent, effluent, and vapor phase provides adequate data to calculate the monthly 30-day limits.

The 2010 analytical results summary for the LL4 GTP is provided in Appendix K. QCSRs provide detailed descriptions of the O&M sampling events for 2010 (ECC, 2010d; and ECC, 2011).

5.8.1 Water Analytical Sampling at LL4 Groundwater Treatment Plant

LL4 GTP influent and effluent water samples were analyzed for monthly and quarterly analysis of VOCs, explosive compounds, TSS, TOC, and nitrates starting in August 2010. Explosive compounds, TSS, TOC, iron and manganese were analyzed quarterly. The purpose of this sampling was to monitor GTP efficiency and to verify that project discharge parameters were met in accordance with NPDES permit equivalency.

Influent

Results indicated that TCE concentrations in the LL4 GTP influent were constant with a decreasing trend from August to December 2010. Results varied between 540 and 680 ppb. Explosive compounds were not detected in the influent sample collected in December 2010. Table 5-1 summarizes the analytical results for TCE and RDX from the LL4 GTP influent and effluent. Table 5-1 also includes the NPDES discharge criteria (Final Target Groundwater Cleanup Goals) for TCE and RDX, the monthly effluent volumes, and the NPDES effluent limits.

Appendix K documents the results for TSS, nitrates, TOC, and metals (iron and manganese). TSS was detected at 0.5 ppm in October 2010 and was ND in August 2010. Nitrate levels were detected at 7 to 7.6 ppm in the three samples analyzed in 2010. TOC was detected at less than 1 ppm in August and October 2010. Iron and manganese were only sampled in December and were detected at 7 and 0.2 mg/L, respectively.

Effluent

TCE levels varied between 0.42J (estimated) ppb to 1.5 ppb from August to December 2010. These results were well within the treatment criteria of 5 ppb for TCE in effluent. Explosive compounds data for the effluent was ND from the one sampling event (December 2010).

5.8.2 Air Analytical Sampling at LL4 Groundwater Treatment Plant

The emissions from the VPGAC were sampled monthly and on some occasions twice a month between August and December 2010. The air samples were collected in a one-liter SUMMA® canister from the discharge stack and analyzed by EPA method TO-15 in accordance with the schedule in Table 7-1 of the LL4 O&M Manual. Carbon change outs were performed during 2010 as described under Section 5.6.

Table 5-2 provides the analytical results for LL4 GTP air discharge. Appendix K summarizes the analytical results for TCE in the LL4 GTP air emissions. As noted in the data summary and a detailed discussion in Section 5.3, even though results for air exceeded the original allocated limit of 253 $\mu g/m^3$, TCE removal efficiencies were between 83% and 96% with the exception of the 12/1/2010 sampling event. The anomaly from the 12/1/2010 event is assumed to be attributable to a potential flawed sampling technique for the influent sample. As part of the 2011 scheduled events, the goal is to not only to revise the emission criteria for air emitted from the LL4 GTP, but also Site Wide. This will be updated in one of the corresponding 2011 O&M monthly reports.

5.9 Major Shutdowns at Load Line 4 Groundwater Treatment Plant

Table 5-3 documents the major shutdowns of the LL4 GTP in 2010.

5.10 Load Line 4 Plant Safety

No reportable safety-related incidents occurred in 2010 at the LL4 GTP.

6.0 GROUNDWATER CIRCULATION WELL (GCW-01) ACTIVITIES

This section details the GCW-01 operation and related O&M activities in 2010. O&M activities included measurement of flow rates and sample collection and analysis. Operational data for GCW-01 is included under Appendix L.

The original design operational flow rate of GCW-01 was 50 gpm. GCW-01 operated between approximately 19.7 and 23.8 gpm during 2010, with an average rate of 22.62 gpm. From January 12 to December 29, 2010, the well treated approximately 5,887,816 gallons of groundwater. The amount of TCE recovered from the GCW-01 operation was approximately 24 lbs (based upon average quarterly data). The mass recovery of TCE was calculated as described previously in Section 5.4. Table 6-1 lists the monthly average flow rates and O&M activities for each month.

GCW-01 was impacted by storm events early in 2010; thereby, requiring occasional re-starts.

Samples were collected from the GCW-01 system for TCE analysis in each of the four quarters of 2010. Samples were collected from the influent and effluent lines of GCW-01 and analyzed for VOC compounds. Appendix M provides the 2010 analytical results summary for GCW-01. Treatment efficiencies for GCW-01 exceeded 99%. Appendix N provides the 2010 analytical results summary for monitoring wells surrounding GCW-01.

7.0 MAINTENANCE SUMMARY

This section lists the routine and miscellaneous maintenance activities conducted throughout the OU2 system during 2010.

Table 7-1 identifies routine maintenance items associated with the former NOP GTP systems and the O&M monitoring well, observation well, extraction well and groundwater circulation well networks conducted during 2010:

Additional activities that occurred during 2010 are listed in Table 7-2 (some of them were critical activities to the O&M of the four GTPs, their associated extraction and monitoring wells, and GCW-01).

8.0 SUMMARY AND CONCLUSIONS

In 2010, the Site groundwater extraction and treatment systems (Main, LL1, AOP, LL4 GTPs and GCW-01) treated a combined total of 1,201,166,500 gallons of groundwater and operated with an average uptime of greater than 88% (GTPs only). However, this is a decrease in the average uptime as compared to 2009 (94%), and is attributed to trouble shooting with the LL4 GTP coming online in 2010; troubleshooting of the ozone generator at the AOP GTP; and constant rate pumping tests at FEW-11 during June, July and September 2010.

Treated groundwater from the Site GTPs was provided to local users for beneficial re-use during the summer months, in accordance with the Lower Platte North Natural Resources District directive. It is estimated between 45-50% or as much as 170 million gallons of the treated water is beneficially re-used during summer months. Aside from regularly scheduled maintenance, power outages and snow storms, there were no significant interruptions of service. The following is a summary of the major O&M components of the selected remedial action for OU2:

- Implementation of the containment component with O&M of the four GTPs is in accordance with the ROD.
- The focused extraction remedy component continues to be implemented in accordance with the ROD. Early in 2008, EW-11 was placed back online as a focused extraction well and has been renamed FEW-11. FEW-11 and the AOP GTP continued to remove significant TCE mass from the LL1 plume. During 2010, the TCE concentrations from FEW-11 were more or less constant at 1,800 to 1,900 ppb.
- Starting in August 2010, FEW-15 was placed online under O&M as a focused extraction well. Even though removal rates of TCE are not as significant as the FEW-11/AOP GTP, FEW-15 and the LL4 GTP is accelerating the removal of the TCE mass from the LL4 plume. Actual TCE concentrations from FEW-15 were 500 to 800 ppb, slightly less than the modeled predicted concentrations (800 to 1000 ppb); however, the trend during 2010 showed a decrease in TCE concentrations. These concentrations will be monitored during 2011 and will be compared with the model, which predicted a sharp increase in TCE concentrations (up to 2,500 ppb) toward the end of 2011.
- As described in Section 2.1, redevelopment/rehabilitation is recommended for the following extraction wells in 2011: EW-06, EW-07 and EW-09.
- GCW-01 continues to provide limited focused extraction from the LL4 plume with an average operating flow rate of 22 gpm.
- The groundwater treatment remedy component is operating, and all discharge criteria were met during the reporting period. All extracted groundwater is being effectively treated on-site using GAC adsorption, AOP, or air stripping, as detailed in this O&M annual summary report.
- The disposal and beneficial reuse remedy component is being properly implemented. Treated groundwater is being properly disposed by providing it to local users for beneficial reuse or through surface discharge, as detailed in this O&M annual summary report.
- An energy audit scheduled to be performed in the first half of 2011 is expected to produce cost savings by negotiation of utility rates with the utility company, and energy conservation from better utilization of pumps, process equipment and ancillary equipment at all of the GTPs and pump houses.

9.0 REFRENCES

ECC, 2002. *Operation and Maintenance Manual, Remedial Design Groundwater Treatment (OU2), Former Nebraska Ordnance Plant, Mead Nebraska.* April 2002.

ECC, 2007. *Operation and Maintenance Manual Load Line 1 Hydraulic Containment System Groundwater Treatment Plant Operable Unit No. 2 (Groundwater) Former Nebraska Ordnance Plant Mead, Nebraska.* March

ECC, 2008. *Operation and Maintenance Manual EW-11 Advanced Oxidation Process Groundwater Treatment Facility Operable Unit No. 2 (Groundwater) Former Nebraska Ordnance Plant, Mead Nebraska.* August.

ECC. 2009. *Site-Wide Work Plan which include the Accident Prevention Plan and the Sampling and Analysis Plan, Support Services, Former Nebraska Ordnance Plant, Mead, Nebraska.* October.

ECC. 2010a. *Operation and Maintenance Manual Load Line 4 Focused Extraction System Groundwater Treatment Plant Operable Unit No. 2 (Groundwater), Former Nebraska Ordnance Plant, Mead, Nebraska*. October.

ECC, 2010b. *Quarterly Summary Report First Quarter 2010 Sampling Events, Operable Unit No. 2 (Groundwater) Former Nebraska Ordnance Plant, Mead, Nebraska.* July.

ECC, 2010c. *Quarterly Summary Report Second Quarter 2010 Sampling Events, Operable Unit No. 2 (Groundwater) Former Nebraska Ordnance Plant, Mead, Nebraska.* September.

ECC, 2010d. *Quarterly Summary Report Third Quarter 2010 Sampling Events, Operable Unit No. 2 (Groundwater) Former Nebraska Ordnance Plant, Mead, Nebraska.* November.

ECC, 2010e. *Annual Operations, Maintenance, and Monitoring Summary Report – Main Groundwater Treatment Plant, Load Line 1 Groundwater Treatment Plant, and Advanced Oxidation Process Groundwater Treatment Plant – Year 2009, Former Nebraska Ordnance Plant, Mead, Nebraska.* April

ECC, 2011b. *Quarterly Summary Report Fourth Quarter 2010 Sampling Events, Operable Unit No. 2 (Groundwater) Former Nebraska Ordnance Plant, Mead, Nebraska.* February.

TABLES

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Table 2-1
Main Groundwater Treatment Plant Operations and Maintenance Activities
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Activity	Frequency
Record Flow Data at Main GTP and Extraction Wells	Daily
Conduct O&M Inspections at Main GTP and Extraction Wells	Weekly
Conduct O&M Sampling at the Main GTP	Monthly
Conduct O&M Sampling at the Extraction Wells	Quarterly
Perform Carbon Change-outs	As Needed

Notes:

GTP = groundwater treatment plant
O&M = operations and maintenance

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Table 2-2
Average Extraction Well Flow Rates and Operational Set Rates for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Well	Operational Set Point Flow Rate (gpm)[1]	2010 Average Flow Rate (gpm)	Well Uptime (%)	2010 Adjusted Average Annual Flow Rate[2] (gpm)
EW-01	173	158	92	146
EW-02[3]	150	0	0	0
EW-03	300	303	93	281
EW-04	100	80	92	74
EW-05[3]	175	0	0	0
EW-06	60	58	97	57
EW-07	290	295	97	287
EW-08[3]	250	0	0	0
EW-09	140	146	96	141
EW-10[3]	400	398	97	386
FEW-11	600	547	83	453
EW-12	330	302	94	285
EW-13[3]	0	0	0	0
FEW-14	190	198	98	193
FEW-15	500	475	77	364
EW-16	100	101	97	98

Notes:

1) The extraction well basis for the operational rates was based upon the 2009 Containment Evaluation Report where the operational rates were changed for EW-01, 03, 06, 07, 09, 12 and 16. Operational set point flow rate is defined as flow rate which is desired for the well to operate whereas the average flow rates are based upon an average of the actual operating flows measured during 2010.

2) Adjusted Average 2010 Flow Rates (AAFR) were based on uptime during 2010 according to the following equation:

   AAFR = (2010 Average Uptime Flow Rate) X (Well Uptime which is defined as extraction well operational hours in a month as recorded in the individual well Program Logic Controller [PLCs].)

3) EW-02, EW-05 EW-08, and EW-13 were not operated in 2010 as explained in the 2009 O&M annual report and previous ground water containment models. EW-10 was shutdown in February 2010 based upon the 2008 groundwater containment model (*Restoration Time-Frame Modeling Technical Memorandum Operable Unit No. 2 (Groundwater)* URS document dated March 2009)

EW = extraction well
FEW = focused extraction well
gpm = gallons per minute
% = percent
O&M = operation and maintenance

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Table 2-3
Specific Capacities of Extraction Wells
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

EW-01

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2001	pre-develop.	8.6	200	23.6	36.1		
2001	post-develop.	6.9	200	29.1	44.5		
2006	Feb. step test	6.5	165	25.4	42.0	-13%	-6%
3/2007	pre-rehab test*	9.3	201	21.6	36.9	-26%	-17%
5/2007	post-rehab test	7.5	205	27.3	45.8	-6%	3%
2008	June step test	6.6	160	24.2	40.6	-17%	-9%
2008	Oct step test	9.2	252	27.5	40.1	-5%	-10%
2009	Aug step test	6.1	145	23.8	39.6	-18%	-11%
2010	Nov. step test	5.1	240	24.3	38.7	-16%	-13%

* Post Rehabilitation

EW-03

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2001	pre-startup test	6.4	230	46.9	34.2	-11.0	-8.2
2006	Feb. step test	3.9	226	57.9	42.4		
2007	June step test	4.0	220	55.0	37.9	-5%	-11%
2009	Feb step test	4.7	220	46.8	32.2	-19%	-24%
2009	August step test	6.6	261	39.5	28.4	-32%	-33%
2010	Dec. step test*	5.1	224	47.6	31.3	-18%	-26%

* Post Rehabilitation

EW-04

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2001	pre-startup test	21.3	77.5	3.6	5.5		
2005	Dec. step test	17.9	99	5.5	8.8	52%	61%
2007	May step test*	19.7	96	4.9	7.1	34%	30%
2008	May step test	20.4	89	4.4	8.8	20%	61%
2009	Aug step test	25.5	84.7	3.3	5.7	-40%	-35%
2010	Dec. step test*	18.5	82	4.4	6.8	-20%	-22%

* Post Rehabilitation

EW-06

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2001	pre-startup test	19.0	265	13.9	16.4		
2005	Dec. step test	13.8	280	20.3	22.4		
2007	June step test	17.3	283	16.4	18.2	-19%	-19%
2008	June step test	16.1	240	14.9	16.8	-27%	-25%
2009	Aug step test	18.9	263	13.9	15.3	-31%	-32%
2010	Nov. step test	19.1	243	12.7	15.4	-37%	-31%

Table 2-3
Specific Capacities of Extraction Wells
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

EW-07

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2001	pre-startup test	19.2	370.5	19.3	28.6		
2006	Feb. step test	9.0	250	27.8	42.1		
2007	Aug step test	15.6	346	22.2	35.5	-20%	-16%
2009	Feb. step test	17.2	366	21.3	33.6	-23%	-20%
2009	Aug step test	17.2	365	21.2	33.5	-24%	-20%
2010	Oct. step test	18.6	372	20.0	31.0	-28%	-26%

EW-09

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2001	pre-startup test	8.8	115	13.1	15.6	NA	NA
2003	step test	17.6	180	10.3	13.0	-21%	-17%
2006	Feb. step test	15.9	162	10.2	13.2	-22%	-15%
3/2007	pre-rehab test	16.8	140	8.3	11.9	-37%	-24%
5/2007	post-rehab test	17.8	163	9.2	12.8	-30%	-18%
2008	june step test	14.9	136	9.1	12.6	-31%	-20%
2009	Aug step test	19.4	168	8.7	12.2	-34%	-22%
2010	Oct. step test	17.7	150	8.5	11.0	-35%	-30%

FEW-11

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2001	Step test	531.0	11.88	44.7	35.1		
2009	August step test	13.5	561	41.6	34.9	-7%	-1%
2010	Nov step test	13.3	553	41.6	34.7	-7%	-1%

EW-12

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2006	pre-startup test	48.5	332	6.9	31.4	NA	NA
2007	June step test	51.7	332	6.4	27.6	NA	NA
2009	Feb step test	52.9	350	6.6	32.1	NA	NA
2009	Aug step test	38.9	350	9.0	43.6	0%	0%
2010	Nov. step test	57.0	250	4.4	18.0	-51%	-59%
2011	Jan. step test*	51.5	300	5.8	24.2	-36%	-45%

* Post Rehabilitation

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FEW-14

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2009	August step test	14.5	336	23.2	66.5	NA	NA
2010	Dec step test	14.7	339	23.1	66.9	0%	NA

Table 2-3
Specific Capacities of Extraction Wells
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

FEW-15

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2010	March step test	5.0	500	100.0	69.4	NA	NA

EW-16

Year	Data Source	Drawdown (ft)	Pumping Rate (gpm)	Specific Capacity (gpm/ft)	Theoretical Well Efficiency (%)	Change from Peak Specific Capacity	Change From Peak Effciency
2009	August step test	3.6	203	56.4	35.4	NA	NA
2010	Dec. step test	3.5	194	55.4	35.1	-2%	-1%

Note:

a) Step tests for EW-02, 05 and 08 were performed in 2010 as they were not operational
b) Step Test on EW-10 was not performed as it was scheduled for shut down in early 2010

EW = extraction well
FEW = focused extraction well
ft = feet
gpm = gallons per minute
% = percent

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Table 2-4
Main Groundwater Treatment Plant Monthly Performance and Activity Summary for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Average Total Flow/ Operational Set Point Flow Rate (gpm)	Significant Activities
January	2,287/ 2,303	All extraction wells within acceptable flow rates (average total flow within minus 5% of the operational set point flow rates).
February	2,241/ 2,303	• All extraction wells within acceptable flow rates. • EW-10 shut down on February 23, 2010 (per the ECC memo dated January 15, 2010).
March	1,848/ 1,903	• The operators reduced the flow at EW-06 to 55 gallons per minute (gpm) from 60 gpm on 03/10/10 (per groundwater containment model recommendations). • Ultraviolet (UV) system at EW-09 initiated with RDX destruction efficiency of 35%.
April	1,853/ 1,903	• All extraction wells within acceptable flow rates. • UV System was operational at EW-09 entire month of April 2010.
May	2,227/ 2,278	• All extraction wells within acceptable flow rates. • The operators replaced low level switch relay and variable frequency drive (VFD) control pad at EW-01. • The UV system at EW-09 was operational the month of May 2010. Destruction efficiency was 32% compared to 35% in March 2010.
June	2,219/ 2,278	• All extraction wells within acceptable flow rates.
July	2,253/ 2,278	• All extraction wells within acceptable flow rates.
August	2,238/ 2,403	• All extraction wells within acceptable flow rates. • The operators shut down EW-01 to prepare for pump removal and cleaning at Layne Christiansen shop on 8/5/2010. Operators picked up pump and motor from Layne Christiansen for EW-01 on 8/13/2010. • EW-01 back online on 8/16/ 2010 after pump re-installation. • Flow rates for EW-01 had improved dramatically after cleaning of the pump, and the flow rate returned to the original set point flow rate of 173 gpm (was 136 gpm in July 2010).
September	2,443/ 2,403	• All extraction wells within acceptable flow rates. • The operators turned off FEW-11/AOP system for FEW-11 constant rate pumping test on 8/31/2010. FEW-11 back online 9/15/2010. • The operators replaced EW-01 VFD with a new model during week of September 20, 2010.

Table 2-4
Main Groundwater Treatment Plant Monthly Performance and Activity Summary for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Average Total Flow/ Operational Set Point Flow Rate (gpm)	Significant Activities
October	2,420/ 2,403	• All extraction wells within acceptable flow rates. • Performed EW-03 step-drawdown test on 10/13/2010 • Performed EW-04 step-drawdown test on 10/14/2010 • Performed EW-09 step-drawdown test on 10/25/2010 • Performed EW-07 step-drawdown test on 10/27/2010 • The operators installed phase monitor and VFD protection at EW-01. • As part of the step-drawdown tests noted above, the wells were shut down at least 24 hours prior to conducting these tests. Also as part of the well rehabilitation program, Biological Activity Reaction Test (BART) and water quality tests were performed to assess the performance of each extraction well.
November	2,409/ 2,453	• All extraction wells within acceptable flow rates. • The operators initiated and completed step-drawdown test for EW-01 on 11/3/2010. • The operators initiated and completed a second step-drawdown test for EW-03 on 11/8/2010. • Performed rehabilitation on wells EW-03, EW-04 and EW-12. Pumps were removed from these wells on 11/12/2010. Well rehabilitation performed weeks of 11/15 and 11/22/2010 and was completed on 11/23/ 2010. Cleaned pumps were re-installed on 11/23/2010 and wells brought back online on 11/23/2010. A separate draft memorandum summarizing the activities was provided to the on 1/14/2011.
December	2,399/ 2,453	• All extraction wells within acceptable flow rates. • The operators ran step-drawdown tests (pump efficiency tests) on EW-01, EW-06, EW-07, EW-09 and FEW-11, FEW-14 and FEW-15 on 12/3/2010 and EW-16 on 12/13/2010; • The operators chlorinated EW-03, EW-04, and EW-12 on 12/10/2010. • Post step tests at EW-03, EW-04 and EW-12 were performed during week of 12/6/2010. • The operators installed a new low level switch at EW-04 on 12/7/2010.

Note: The operational set point flow rates include extraction wells EW-01, EW-03, EW-04, EW-06, EW-07, EW-09, EW-10, FEW-11, FEW-14, FEW-15 and EW-16. A drop in flow of 400 gpm from February to March is because EW-10 was shut down permanently in late February 2010. A flow of 375 gpm was added to the overall flow through temporary operation of FEW-15 (pre-treated via LL4 plant and discharging into Main GTP). This was performed until July 2010 when another 125 gpm of flow from FEW-15 was added in late August 2010. This marked the official O&M of LL4 plant. Finally, a flow of 50 gpm (550 to 600 gpm) was added to the set point for FEW-11 in November 2010 and will continue to be set at 600 gpm.

AOP = advanced oxidation process
EW = extraction well
FEW = focused extraction well
gpm = gallons per minute
GTP = groundwater treatment plant
LL = load line
O&M = operation and maintenance
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

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Table 2-5
GAC Vessel Backwashing Summary for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Lead Vessels Backwashed Date	Lag Vessels Backwashed Date	Additional Comments
January	380 (1/6)	None	None
February	320 (2/11) 340 (2/12) 360 (2/15) 380 (2/16)	None	None
March	320 (3/16) 340 (3/22)	None	None
April	360 (4/8)	320 (4/27 and 4/28) 340 (4/29)	Carbon changes at 320, 340 and 360
May	310 (5/11) 330 (5/12) 350 (5/14) 380 (5/22)	340 (5/6) 360 (5/7 and 5/10)	None
June	310 (6/4)	310 (6/30)	Carbon changes at 310, 350 and 380
July	None	310 (7/6) 330 (7/29 and 7/30) 350 (7/8 and 7/16) 380 (7/27 and 7/28)	Carbon change at 330
August	None	None	None
September	320 (9/7 and 9/15) 340 (9/8 and 9/22) 360 (9/9 and 9/27) 380 (9/10)	None	None
October	360 (10/7) 380 (10/25)	None	None
November	320 (11/9) 340 (11/29) 360 (11/30)	None	None
December	320 (12/7) 340 (12/15) 360 (12/21) 380 (12/2 and 12/28)	None	None

GAC = granular activated carbon

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Table 2-6
Main Groundwater Treatment Plant, Load Line 1 Groundwater Treatment Plant, Advanced Oxidation Process Plant and Load Line 4 Plant 2010 Percent Uptime
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

		Main GTP		LL1 GTP		AOP GTP		LL4 GTP	
Month	**Total Time (hours)**	**Downtime (hours)**	**Uptime (%)**	**Downtime (hours)**	**Uptime (%)**	**Downtime (hours)**	**Uptime (%)**	**Downtime (hours)**	**Uptime (%)**
January	744	43.25	94%	97	87%	77.5	90%	N/A	N/A
February	696	1.50	100%	39.00	94%	1.75	100%	N/A	N/A
March	744	16.50	98%	2.25	100%	30.00	96%	N/A	N/A
April	720	6.00	99%	4.75	99%	30.25	96%	N/A	N/A
May	744	3.00	100%	3.00	100%	18.00	98%	N/A	N/A
June	720	5.50	99%	3.00	100%	486.00	33%	N/A	N/A
July	744	21.75	97%	20.00	97%	264.00	65%	N/A	N/A
August	744	13.00	98%	13.75	98%	181.00	76%	38.00	95%
September	720	24.25	97%	15.00	98%	354.00	51%	355.75	51%
October	744	5.75	99%	42.00	94%	33.25	96%	442.50	41%
November	720	0.00	100%	141.00	80%	14.00	98%	1.00	100%
December	744	9.00	99%	105.50	86%	23.50	97%	26.75	96%
2010 Total	8784	149.50	98%	486.25	94%	1513.25	83%	864	77%

AOP = advanced oxidation process
GTP = groundwater treatment plant
LL = Load Line
N/A - Not under official O&M
% = percent

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Table 2-7
Major Shutdowns of the Main Groundwater Treatment Plant in 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Shutdown Description
January	• 1/7/2010 - Plant shut down due to faulty sonar sensor on influent tank. On 1/8/2010, operators installed heat tape and water heater blanket on influent tank sonar sensor and waited to heat up. • 1/10/2010 – Supervisory Control and Data Acquisition (SCADA) call out at 0900 for high influent tank. The operators shut down plant remotely, waited for temperature to rise and then responded to plant. Operators then checked the heaters and reset the sonar sensor. 1/11/2010 – The operators rewired old sonar from effluent tank in influent tank and started the plant. • 1/31/2010 – SCADA call out at 0637 for General Filter Fault at Main Groundwater Treatment Plant (GTP). The operators reset and restarted remotely.
February	• 2/16/2010 – SCADA call out at 0530 for general filter fault. The operators investigated and found Filter 220 had a functional problem. The operators then took the filter off line and restarted the plant. • Extraction well (EW)-09 was down for 30.25 hours due to pipe modifications for the ultraviolet (UV) system testing.
March	• 3/21/2010 – SCADA call out at 1030 for general filter fault. Operator was on site and reset filters and restarted the plant. • 3/22/10 - Plant down upon operator arrival. Operators identified a general filter fault, low effluent tank, and high influent tank. The operators reset filters and shut down the plant again. Upon further investigation, operators found emergency shut off button on air compressor was pushed in. The air compressor was reset, and the plant was restarted.
April	• 4/22/2010 – SCADA call out at 0411 for general filter fault. The operators could not reset remotely, so they responded to plant, reset air compressor and restarted the plant. • 4/28/2010 – The operators had problems with backwash and overflowed settling tanks. The operators shut down the plant to allow tanks to settle out, and then re-started the plant. • 4/28/2010 – SCADA call out at 2100 for Main GTP shut down due to high settling tank level. The operators cleaned the decant pump and pumped down the settling tank. Plant running at 2358.
May	• 5/25/2010 - Power bump at 0701at Main GTP. The operators restarted the plant.
June	• EW-01 off for 20.5 hours due to radio problems between 6/2/2010 to 6/3/2010. On 6/3/2010, the operators installed a radio at EW-01 to verify communication. • Extraction wells down occasionally due to thunderstorms in the area contributing some down time to the main treatment plant. • EW-6, 7, & 9 down 10.25 hours due to power outage on 6/21/2010. • All extraction wells off for 2.5 hours on 6/28/2010 due to carbon change problems. • 6/1/2010 – SCADA call out at 1729 for Main GTP shut down. The operators waited for storms to pass and then restarted all of the GTPs. Plants running normal at 2018. • 6/10 - Power outage at 0955. Main GTP shut down. Operators waited for storms to pass, and then restarted the plant. • 6/21/2010 – SCADA call out at 0250 for service water tank high, EW-4, 7, 9 shut down. The operators waited for storms to pass, and then they responded to the plant and found EW-7 and 9 had line loss. The operators cleared Main GTP alarms. • 6/23/2010 – SCADA call out at 0432 for Main GTP shut down. The operators responded to plant and re-started the plant. • 6/28/2010 - Carbon change used too much water and upset Main GTP. The operators had to shut down and let settling tanks settle out. The operators restarted decant pump and lowered the level. The operators also cleaned high level probes, cleared alarms, and restarted plant manually.

Table 2-7
Major Shutdowns of the Main Groundwater Treatment Plant in 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Shutdown Description
July	• 7/12/10, SCADA call out at 1400 for general filter fault. The operators responded to plant and restarted the filters. The operators tried to start the plant automatically but had to re-start it manually. The pre-filters were backwashed manually to get the cloths clean. The operators then restarted the plant in automatic mode the same day. • 7/14/10, SCADA call out at 1810 for general filter fault at Main GTP and line loss at EW-6. On 7/15/2010, the operators responded to plant and reset air compressor overload and started the compressor. The Main GTP was restarted along with EW-06.
August	• EW-01 down between 8/5/2010 and 8/16/2010 for pump cleaning off-site • FEW-11 shut down for constant rate test on 8/31/2010.
September	• 9/13/2010, SCADA call out at 1700 for line loss from a site wide power outage due to storms in the area. Plant back online on 9/14/2010. • FEW-11 back online 9/15/2010 after the constant rate test recovery period. • On 9/19/2010, SCADA call out at 0630 for site wide power outage. The operators responded to EW-6, EW-16, FEW-11 and FEW-15 and also to reset VFDs and PLCs at these wells. The operators also reset the VFDs and air compressor at the Main GTP. Main GTP back online at 1415. • 9/28/10, SCADA call out at 1821 for general filter fault at Main GTP. Operators reset and restarted remotely.
October	No shut down activities
November	• 11/6/2010 – SCADA call out at 0757 for general filter fault causing Main GTP shut down. The plant operators reset and restarted the plant.
December	• 12/4/2010, SCADA system call out at 0323 for Main GTP, EW-6, 7, 9, and 14 for site wide power outage. The operators waited for power to be restored. The plant and the wells were restarted after power was restored. • An ice storm caused the SCADA system call out at 2201 on 12/15/2010 for high settling tank in the Main GTP along with shut down of EW-03 and 16. The operators waited for ice storm to pass. On 12/16/2010, the operators restarted the Main GTP except for EW-3 and EW-16. The operators responded to EW-03 and reset its PLC, and also responded to EW-16 and found a fuse blown on an Omaha Public Power District (OPPD) pole. OPPD replaced the fuse, and the well was re-started the same day. • On 12/25/2010, SCADA call out at 0134 for general filter fault. The operators reset and restarted the plant.

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Table 2-8
Main Groundwater Treatment Plant 2010 Monthly Influent and Effluent Analytical Results and Discharge Volumes
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Sample Date	Parameters	Concentrations (µg/L)				Volume (gallons)
		Influent	Effluent	Groundwater Cleanup Goal	NPDES FELMR (Daily Maximum)	Monthly Effluent Discharge Flow
January 4, 2010	TCE	**8.1**	ND	5	5	94,598,000
	RDX	**3.6**	ND	2	100	
February 1, 2010	TCE	0.77J	ND	5	5	86,410,000
	RDX	**3.2**	ND	2	100	
March 1, 2010	TCE	0.68J	ND	5	5	78,900,000
	RDX	**3.6**	ND	2	100	
April 1, 2010	TCE	0.84J	ND	5	5	81,586,000
	RDX	**3.8**	ND	2	100	
May 4, 2010	TCE	0.96J	1.3	5	5	95,954,000
	RDX	**3.7**	ND	2	100	
June 1, 2010	TCE	**2.2**	ND	5	5	75,540,000
	RDX	**3.2**	ND	2	100	
July 1, 2010	TCE	0.76J	ND	5	5	87,610,000
	RDX	**3.1**	ND	2	100	
August 2, 2010	TCE	0.69J	ND	5	5	90,880,000
	RDX	**3.43**	ND	2	100	
August 31, 2010	TCE	0.77J	ND	5	5	79,160,000
	RDX	**3.33**	ND	2	100	
October 4, 2010	TCE	0.77J	0.19J	5	5	90,870,000
	RDX	**4.23**	ND	2	100	
November 1, 2010	TCE	0.85J	ND	5	5	93,720,000
	RDX	**3.19**	ND	2	100	
December 1, 2010	TCE	0.82J	ND	5	5	99,310,000
	RDX	**3.59**	ND	2	100	

Notes: (1) **Bold Font** indicates that the parameter was detected in the sample.
(2) "ND" indicates that the parameter was not detected.

NPDES = National Pollutant Discharge Elimination System
FELMR = Final Effluent Limitations Monitoring Requirements
µg/L = micrograms per liter
ND - Non-Detect
TCE = trichloroethene
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine
J = estimated

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Table 2-9
Backwash Residue Solids Disposal
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Date of Disposal	Quantity of Solids Disposed (55-gallon drums)
March 17, 2010	17
May 6, 2010	13
November 16, 2010	13
Total Drums Shipped	**43**

Note: A 55-gallon drum containing residue solids weighs about an average of 250 pounds (lbs).

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Table 3-1
Load Line 1 Groundwater Treatment Plant
2010 Monthly Influent and Effluent Analytical Results and Discharge Volumes
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant

Sample Date	Parameters	Concentrations (ug/L)				Volume (gallons)
		Influent	Effluent	Groundwater Cleanup Goal	NPDES FELMR (Daily Maximum)	Monthly Effluent Discharge Flow
January 4, 2010	TCE	30	0.34J	5	5	12,252,300
	RDX	NS	NS	2	100	
February 1, 2010	TCE	29	ND	5	5	12,288,200
	RDX	ND	ND	2	100	
March 1, 2010	TCE	29	ND	5	5	14,392,400
	RDX	NS	NS	2	100	
April 1, 2010	TCE	27	ND	5	5	13,996,967
	RDX	NS	NS	2	100	
May 4, 2010	TCE	31	ND	5	5	14,383,533
	RDX	ND	ND	2	100	
June 1, 2010	TCE	33	ND	5	5	13,329,400
	RDX	NS	NS	2	100	
July 1, 2010	TCE	31	ND	5	5	13,222,900
	RDX	NS	NS	2	100	
August 2, 2010	TCE	31	ND	5	5	12,453,200
	RDX	ND	ND	2	100	
August 31, 2010	TCE	34	ND	5	5	12,639,800
	RDX	NS	NS	2	100	
October 4, 2010	TCE	35	ND	5	5	10,600,700
	RDX	NS	NS	2	100	
November 1, 2010	TCE	40	ND	5	5	5,198,300
	RDX	ND	ND	2	100	
December 1, 2010	TCE	43	ND	5	5	11,870,800
	RDX	NS	NS	2	100	

Notes:

ND = indicates that the parameter was not detected.
NPDES = National Pollutant Discharge Elimination System
FELMR = Final Effluent Limitations Monitoring Requirements
µg/L = micrograms per liter
TCE = trichloroethene
NS = not sampled
J = Analyte detected, but associated value is estimated
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

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Table 3-2
Load Line 1 Groundwater Treatment Plant
2010 Air Emissions Analytical Results
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead Nebraska

Sample Date	Parameters	Concentrations	
		Analytical Results ($\mu g/m^3$)	Discharge Criteria ($\mu g/m^3$)
1/4/2010	TCE	NS	253
2/1/2010	TCE	ND	253
3/1/2010	TCE	NS	253
4/1/2010	TCE	NS	253
5/4/2010	TCE	ND	253
6/1/2010	TCE	NS	253
7/1/2010	TCE	NS	253
8/2/2010	TCE	ND	253
8/31/2010	TCE	NS	253
10/4/2010	TCE	NS	253
11/1/2010	TCE	ND	253
12/1/2010	TCE	NS	253

Notes: $\mu g/m^3$ = micrograms per cubic meter
ND = Non-Detect
NS = Not Sampled
TCE = trichloroethene

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Table 3-3
Major Shutdowns of Load Line 1 Groundwater Treatment Plant in 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Shutdown Description
January	• 1/7/2010 – Load Line 1 (LL1) plant shut down due to power bump. On 1/8/2010, operators installed propane heater at LL1 plant to thaw out building. On 1/10/2010, after the freeze thaw out, operators were able to restart LL1 plant. • 1/26/2010 - LL1 plant off line due to power problems. The operators re-started the plant.
February	• LL1 plant down due to power issues on 2/14/10. Access to the location was limited due to snow drifts. The operators plowed the area, got to the plant and then restarted the system on 2/15/10. • LL1 plant down on 2/18/10 due to issue with low level sump alarm. The program ladder for the system needed to be updated. LL1 plant online on 2/19/10
March	• 3/23/2010 – Supervisory Control and Data Acquisition (SCADA) call out at 1605 for EW-12 shut down for low level. The operators reset flow to 300 gallons per minute (gpm), reset alarms, and restarted system.
April	No shut down activities
May	• 5/25/2010 - Power bump at 0701, LL1 plant. The operators restarted the plant.
June	• On 6/1/2010, SCADA call out at 1729 for LL1 plant shut down. The operators waited for storms to pass and then restarted the plant. Plant online at 2018. • 6/10/2010 - Power outage at 0955. LL4 plant down. The operators waited for storms to pass, and then re-started the plant • 6/20/2010 – SCADA call out at 1319 for LL1 plant. The operators could not dial in. The operators responded to Main GTP and restarted LL1 plant. • 6/21/2010 –SCADA call out at 0250 for LL1 plant shut down. The operators waited for storms to pass and then restarted the plant. • 6/23/2010 – SCADA call out at 0432 for LL1 plant down. The operators responded and restarted the plant.
July	• 7/14/2010, SCADA call out at 1900 due to storms in the area. The operators waited for storms to pass before restarting on 7/15/2010. • 7/15/2010, Operators had to shut down LL1 for Wahoo Creek flooding. The operators waited for flood levels to go down and then restarted LL1 back online same day.
August	• No shut down activities
September	• 9/13/2010, SCADA call out at 1700 for line loss from a site wide power outage due to storms in the area. Plant back online on 9/14/2010. • 9/19/2010, SCADA call out at 0630 for site wide power outage. Operators responded to plant and reset PLC at LL1 plant. Plant back online at 1415. • 9/28/10, SCADA call out at 1821 for LL1 plant down. Operators reset and restarted remotely.

Table 3-3
Major Shutdowns of Load Line 1 Groundwater Treatment Plant in 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Shutdown Description
October	• 10/9/2010, LL1 plant was shut down for conducting EW-12 step test. Step test was conducted on 10/11/10. • 10/12/2010, call out from SCADA system at 0540 for LL1 plant shut down. The operators responded to plant, and then reset and restarted the plant. Reason for shut down is likely due to a power surge. • 10/18/2010, call out from SCADA system at 1608 for EW-12/LL1 shut down. The operators restarted LL1 plant remotely. Reason anticipated to be power surge. • 10/18/2010, call out at 1653 for LL1 plant. The operators restarted LL1 plant remotely. Reason for shut down is likely due to a power surge. • 10/19/2010, call out at 1743 for LL1/EW-12 shut down due to site wide power outage. The operators couldn't start LL1 plant remotely. Reason for shut down is likely due to a power surge. • On 10/20/10, the operators responded to LL1 plant. The operators reinstalled logix program on computer, updated flow totalizer reading, and restarted the system.
November	• On 11/9/2010, EW-12 was shut down and blower (LL1 plant) was shut down for LL1 GTP for replacement of bearings. Plant operators ordered new bearings for installation on 11/16/2010 along with replacement of new belts. • EW-12 well pump was removed from well on 11/12/2010 for initiation of the well rehabilitation. • Well rehabilitation was performed for EW-12 during the week of 11/15 and 11/22/ 2010. The clean pump was re-installed on 11/23/2010. EW-12 was operational and LL1 GTP was brought back online the same day.
December	• 12/4/2010, SCADA system call out at 0323 for LL1 GTP for site wide power outage. The operators waited for power to be restored, and the restarted the plant. • 12/11/2010, LL1 GTP shut down, effluent pump running erratically. The operators responded to the plant and placed heaters on level transducer for the air stripper. The plant was re-started on 12/12/2010.

Table 4-1

Advanced Oxidation Process Plant 2010 Monthly Influent and Effluent Analytical Results

2010 Operations and Maintenance Annual Report

Former Nebraska Ordnance Plant, Mead, Nebraska

Sample Date	Parameters	Concentrations (ug/L)	
		Influent	Effluent [1]
January 1, 2010	TCE	2000	0.67J
	RDX	3.1	2.7
February 1, 2010	TCE	2800	1.1
	RDX	3.2	2.8
March 1, 2010	TCE	1600	0.58J
	RDX	3.1	2.6
April 1, 2010	TCE	1200	1.1
	RDX	3.2	2.9
May 3, 2010	TCE	2000	ND
	RDX	3	2.4
June 1, 2010	TCE	1900	7.2
	RDX	3.1	2.7
July 1, 2010	TCE	2000	0.92J
	RDX	2.7	2.4
August 2, 2010	TCE	2000	ND
	RDX	3.68	2.84
August 31, 2010	TCE	2000	1.3
	RDX	4.54	3.4
October 4, 2010	TCE	1900	1.6
	RDX	3.78	3.22
November 1, 2010	TCE	1900	2
	RDX	3.39	2.84
December 1, 2010	TCE	1800	0.84J
	RDX	3.6	3.07

Notes: (1) Advanced Oxidation Process (AOP) is not intended to be the final water treatment operation. The AOP effluent is directed to the Main Groundwater Treatment Plant for further treatment to remove TCE (below 10 ug/L) and untreated RDX.

"J" indicates that the detected concentration of the parameter is estimated.
µg/L = micrograms per liter
ND - "Non-detect"
TCE = trichloroethene
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

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Table 4-2
Major Shutdowns of the AOP Facility in 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Shutdown Description
January	• 1/4/2010 – Advanced Oxidation Process (AOP) plant shut down at 0821 for air compressor failure. Operators called technician and disassembled air compressor to replace parts. • 1/6/2010 - Found ozone leak at AOP plant. Shut down plant and investigated. Found line after destruct unit frozen shut. The operators cleaned out and restarted plant. • 1/31/2010 – Supervisory Control and Data Acquisition (SCADA) system call out at 0637 for AOP plant from FEW-11 variable frequency drive (VFD) fault. Operators reset and restart remotely.
February	No shut down activities
March	• 3/21/2010 –SCADA system call out at 1030 for AOP ozone generator fault. Operators reset ozone generator and restart systems.
April	• 4/23/2010 – SCADA system call out at 0738 for ozone generator fault. Wait for storm to pass before restarting. On 4/24/2010 – operators responded to AOP plant, reset ozone generator and restarted plant.
May	• 5/3/2010 – SCADA system call-out for AOP Phase Fault. FEW-11 VFD fault, reset and restarted remotely. • 5/17/2010 - Call out at 1707 for ozone generator fault. The operators responded to AOP plant, reset and restarted. • 5/25/2010 - Power bump at 0701 for AOP plant. The operators restarted AOP plant.
June	• On 6/5/2010 - The operators found cooling water flow meter not working, but could not bypass flow meter and left AOP plant off. FEW-11/AOP down for 437 hours. Plant back online on 6/25/2010. • On 06/27/10, SCADA call out at 1700 for AOP plant generator fault. The operator responded to AOP plant and found flow indicator on cooling water pump broken and leaking. The indicator was replaced. Ozone Generator would not restart for "cabinet high temp". The system was left to cool overnight. On 6/28/10, call out at 0836 for AOP ozone generator fault. The operator responded to plant, trouble shot the system and found the main fuse blown in ozone generator. The inverter test was ran and found silicon controlled rectifiers failed. The operator went to Omaha for parts, returned and replaced silicon controlled rectifier (SCR)s on inverter. AOP system was running at 1808.
July	• On 7/7/10, the operators disassembled ozone destruct unit for cleaning. Holes were identified in the piping and ordered replacement piping. Operators also serviced air compressor at AOP plant while it was off- line. • On 7/8/10, the operators finished servicing air compressor at AOP plant and washed the floor. Operators then reassembled the ozone destruct unit, re-installed and restarted the AOP plant. • On 7/9/10, the AOP plant went down for compressor failure. The operators responded to the plant and worked on the air compressor. The AOP plant was then restarted. • On 7/11/10, call out by SCADA at 0245 for AOP plant due to storms in the area. The operators responded to the plant when storm passed. Plant running back to normal at 0633. • On 7/14/10, SCADA call out at 1639 for ozone generator fault. Also SCADA call out at 1900 for AOP plant shut downs due to storms in the area. The operators waited for storms to pass before restarting. • On 7/15/10, the operators responded to AOP plant and found a power loss. Upon further investigation the operators found one fuse down on OPPD pole and immediately contacted OPPD. • Also on 7/15/10, at 0923 the operators turned off all plants due to Wahoo Creek flooding. At 1233, operators turned on Main GTP with EW-4, 6, 7, 9 and 16 on line and discharged to Clear Creek. Same day Wahoo creek level flooding level went down and Main GTP was

Table 4-2
Major Shutdowns of the AOP Facility in 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Shutdown Description
	back online with all wells online – At this time AOP plant was still offline due to loss of power. • On 7/16/10, OPPD had restored power for the AOP plant. • On 7/16/10, the operators worked on AOP plant and found a 24 volt power supply bad in the control cabinet. The operators replaced the power supply, and then restarted pressure swing adsoprtion (PSA) system and waited for dew point to drop before restarting plant. • AOP plant down from 7/16 to 7/20/10 for excess dew point and maintenance to air compressor. The operators changed oil to the compressor and replaced thermostat to the compressor. Plant back online late on 7/20/10. • AOP Plant down from 7/26/10 to 7/30/10 for constant rate test recovery data. Operators re-started AOP Plant after the constant rate test recovery data shut down on July 30, 2010.
August	• AOP Plant on and off week of 8/9/2010 from operation due to electrical issues with the ozone generator. The operators trouble shot the ozone generator due to problems with electrical circuits of the generator. The operators rented a 15 kVA HiPOT tester and ran tests on the unit and trouble shot which electrical components required procurement. The identified components were then procured, re-installed and the AOP plant re-started on August 17, 2010. • On 8/23/2010 at 1000 hours, the AOP plant shut down from conduit installation of the power relocate at Main GTP. Power was restored at 1630 and plant back online at 1700. • On 8/25/2010, AOP plant shut down from completion of power relocate at Main GTP. Power restored at 1500 and plant re-started. • On 8/31/2010, the operators turned off FEW-11/AOP for FEW-11 constant rate test.
September	• AOP plant back online on 9/15/2010 after completion of FEW-11 well recovery test. • On 9/13/2010, SCADA call out at 1700 for line loss from a site wide power outage due to storms in the area. Plant back online on 9/14/2010. • On 9/19/2010, SCADA call out at 0630 for site wide power outage on September 19, 2010. Operators responded to plant and reset air compressor, air dryer and ozone generator. Plant back online at 1415. • On 9/27/10, power bump at 0713, AOP plant and EW-11 VFD fault. The operators re-set and restarted the plant. • On 9/28/10, SCADA call out at 1821 for AOP plant down. Operators reset and restarted remotely.
October	• On 10/12/10, call out from SCADA system at 0540 for AOP Plant/FEW-11 shut down. The operators responded to plant, reset and restarted. Shut down likely due to a power surge. • On 10/18/10, call out from SCADA system at 1608 for AOP phase fault and EW-11 VFD fault. The operators reset and restarted the AOP plant. Fault likely due to a power surge. • On 10/18/10, call out from SCADA system at 1653 for AOP plant. The operators restarted AOP plant remotely. • On 10/19/10, SCADA system call out at 1743 for AOP plant ozone generator fault and volt phase fault. Site wide power outage, operators waited for power to be restored. On 10/20/10, the operators responded to AOP plant and found no power to air compressor, reset breaker and start compressor. The operators then opened up air dryer and reset. The operators started plant and found cooling water pump and injector pump had no power; they reset overloads and restarted the AOP plant.
November	• On 11/6/2010 – SCADA call out at 0757 for general filter fault, EW-11 VFD fault, AOP phase fault, and LL4 shut down. The plant operators reset and restarted the plant. • On 11/13/2010 – SCADA call out at 0300 for ozone generator fault. The plant operators responded to AOP plant, reset and restarted.

Table 4-2
Major Shutdowns of the AOP Facility in 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Shutdown Description
December	• On 12/4/2010, SCADA system call out at 0323 for AOP GTP for site wide power outage. The operators waited for power to be restored. The operators responded to AOP GTP and reset air compressor, air dryer, cooling water pump and restarted the plant. • On 12/11/2010, SCADA system call out at AOP GTP, which was a power bump that the operators reset and re-started from remote location. • ON 12/16/2010, Main GTP shut down from ice storm through SCADA system call out at 2201 causing AOP GTP shut down. Operators waited for storm to pass and re-started AOP GTP the same day after the bringing Main GTP online.

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Table 5-1
Load Line 4 Groundwater Treatment Plant
2010 Monthly Influent and Effluent Analytical Results and Discharge Volumes
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Sample Date	Parameters	Concentrations (ug/L)				Volume (gallons)
		Influent	Effluent	Groundwater Cleanup Goal	NPDES FELMR (Daily Maximum)	Monthly Effluent Discharge Flow
August 31, 2010	TCE	680	0.42J	5	5	17,285,000
	RDX	NS	NS	2	100	
September of 2010	TCE	NS	NS	5	5	11,084,000
	RDX	NS	NS	2	100	
October 28, 2010	TCE	600	0.72J	5	5	10,278,000
	RDX	NS	NS	2	100	
November 10, 2010	TCE	620	1.5	5	5	22,244,000
	RDX	NS	NS	2	100	
December 1, 2010	TCE	550	1.2	5	5	22,285,000
	RDX	ND	ND	2	100	
December 15, 2010	TCE	540	0.61J	5	5	
	RDX	NS	NS	2	100	

Notes:

ND = indicates that the parameter was not detected.
NPDES = National Pollutant Discharge Elimination System
FELMR = Final Effluent Limitations Monitoring Requirements
µg/L = micrograms per liter
TCE = trichloroethene
NS = not sampled
J = Analyte detected, but associated value is estimated
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

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Table 5-2
Load Line 4 Groundwater Treatment Plant
2010 Air Emissions Analytical Results
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Sample Date	Parameters	Influent Concentrations	Effluent Concentrations
		Analytical Results (µg/m^3)	Analytical Results (µg/m^3)
8/31/2010	TCE	NS	260
9/22/2010	TCE	NS	1200
10/28/2010	TCE	11000	840
11/10/2010	TCE	16000	700
12/1/2010	TCE	550	600
12/15/2010	TCE	450	76

Notes: µg/m^3 = micrograms per cubic meter
ND = Non-Detect
NS = Not Sampled
TCE = trichloroethene

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Table 5-3
Major Shutdowns of Load Line 4 Treatment Plant in 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Shutdown Description
August	No data due to O&M starting on August 29, 2010.
September	• The operators shut down FEW-15 due to breakthrough of vapor phase carbon on September 3, 2010. • Supervisory Control and Data Acquisition (SCADA) system call out for power outage at 0508 due to storms on 9/18/2010. Power was restored at 0725. Load Line 4 (LL4) variable frequency drive (VFD) faulted, operators responded to GTP, reset and restart. Plant running at 0820. • SCADA system call out at 0630 for site wide power outage on 9/19/2010. Operators responded to GTP and reset VFD's, blower and compressor. Plant back online at 1415. • On 9/27/10, Power bump at 0713; LL4 Groundwater Treatment Plant (GTP) down. The operators re-set and restarted the GTP. • On 9/28/10, SCADA system call out at 1821 for LL4 GTP down. Operators reset and restarted remotely • LL4 GTP was shut down on September 30, 2010 due to air emissions exceeding the project emission criteria.
October	• On 10/18/10, call out at 1608 for LL4/EW-15 shut down. The operators responded to LL4 GTP and restarted the GTP. LL4 GTP and EW-15 shut down likely due to power surge. • On 10/18/10, call out at 1653 for LL4 GTP. The operators responded to LL4 GTP and restarted. LL4 GTP shut down likely due to power surge • On 10/19/10, call out at 1743 for LL4/EW-15 communication loss. Site wide power outage, the operators waited for power to be restored, and then they started the LL4 GTP.
November	• On 11/16/2010, SCADA system call out at 0757 for LL4 shut down. The operators reset and restarted the GTP.
December	• On 12/4/2010, SCADA system call out at 0323 for LL4 GTP for site wide power outage. The operators waited for power to be restored, and then they responded to LL4 GTP to reset the blower and restarted the GTP. • On 12/11/2010, SCADA system call out at LL4 GTP due to a power bump. The operators reset and re-started the GTP from remote location. • On 12/15/2010, the Main GTP shut down from ice storm through SCADA system call out at 2201 causing the LL4 GTP shut down. Operators waited for storm to pass and re-started LL4 GTP on 12/16/2010 after the bringing Main GTP online.

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Table 6-1
Groundwater Circulation Well GCW-01 Performance and Maintenance Activities for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Average Flowrate (gpm)	Maintenance Activities
January	21.7	Timer was reset on January 11, 2010 and operators cleared the snow around the system. Operators re-started the system.
February	No data	No access this month due to snow drifts and ice accumulation and hence no maintenance activities.
March	22.6	System operational. The packer was aired up. First Quarter Sampling Event for influent and effluent of treatment system.
April	22.3	System operational. The packer was aired up.
May	22.9	System operational. De-winterized buildings and initiated operation of the exhaust fans.
June	22.3	System operational. Replaced motor for the ventilator fan of the blower. Mowed around GCW-01. Aired packer line. Second Quarter Sampling Event for influent and effluent of treatment system and sampling of monitoring wells.
July	23.6	System operational. Mowed around GCW-01.
August	22.9	System operational. Mowed the grass in the GCW-01 area. Measured water levels in the surrounding monitoring wells. Third Quarter Sampling Event for influent and effluent of treatment system.
September	22.4	System operational.
October	23.1	System operational. Mowed the grass in the GCW-01 area.
November	23.1	System operational. Winterized the building.
December	22.6	System operational. Fourth Quarter Sampling Event for influent and effluent of treatment system. The operators cleaned the GCW-1 building for inverter installation to get the wind mill back online. The inverter for the GCW-1 windmill was placed online on December 10, 2010.The operators replaced the hour meter on wind power.

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Table 7-1
Routine Maintenance Activities for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Activity	Facilities	Frequency
Equipment Preventative Maintenance	All	Per Preventative Maintenance Schedule
Update Parts and Equipment Inventory	All	Annual
Paint Equipment and Floor around Equipment	All	As needed
Conduct General Plant Cleanup	All	As needed
Inspect Wahoo Creek for flow conditions and erosion	Main GTP	Weekly
Service Air Compressors	Main GTP, AOP	Weekly
Service Ozone Generator	AOP	Weekly
Service Air Stripper and Blower	LL1, LL4	Semi-annual for air stripper and weekly for blower

AOP = advanced oxidation process
GTP = groundwater treatment plant
LL = load line

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Table 7-2
Miscellaneous Maintenance Activities for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Maintenance Activities
January	• Cleaned office and motor control center room. • Load Line (LL) 4 Groundwater Treatment Plant (GTP) and focused extraction well (FEW)-15 troubleshooting as part of functional testing. • The operators installed propane heaters at LL1 GTP to thaw out building on 01/08/2010. • The operators worked on setup of the ultraviolet (UV) system at extraction well (EW)-09 pump house. • Performed step test for FEW-15 at 01/15/2010. • Open house held on 01/20/2010. • The operators stored the open house materials at LL1 GTP. • The operators assisted with surface water sampling efforts.
February	• Cleaned office and motor control center room. • The operators worked on EW-09 UV system project. • Monitoring well sampling event. • The operators modified the maintenance data base to start including LL4 maintenance items. • The operators ran the filter press. • Water supply well sampling event. • Kirchmann residence GAC units installation.
March	• Cleaned office and motor control center room. • The operators drained and cleaned residential GAC units for more carbon. • The operators ran filter press operation. • The operators repaired the damper at the advanced oxidation process (AOP) GTP • The operators cleaned up FEW-15 from wiring phase monitor installation. • Mobile lab groundwater analysis performed on EW-01, AOP influent and effluent. Results were 6.1 parts per billion (ppb), 1900 ppb and 1.2 ppb, respectively, consistent with previous fixed-based laboratory analytical data. • The operators performed touchup painting for support beams and pre-filter bases inside the Main GTP. • The operators cleaned air stripper at LL4 GTP in preparation for modification work at LL4 GTP that commenced week of March 22, 2010. • LL4 modification work commenced on March 22, 2010. • The operators gave tour to Burns and McDonnell Engineering Company representatives. • The operators repaired the bleed off valve on hydrogen peroxide pump B at AOP GTP. • The operators worked on a setup for hydrogen peroxide dosage for EW-01. They also rebuilt the LMI metering pump to be used for dosing the peroxide. • The operators took site wide water levels as part of the Groundwater Monitoring Program on 03/29/10. • The operators repaired the handle on the power washer.

Table 7-2
Miscellaneous Maintenance Activities for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Maintenance Activities
April	• Cleaned office and motor control center room. • The operators worked on water use reports for EW-14, FEW-15 and EW-16 • Start up and operational testing for LL4 GTP. • ECC conducted EW-01 mini experiment with peroxide injection – Results did not have any effect on EW-01 output performance in terms of TCE removal. • ECC purchased flow meter for Harold Kolb irrigation operation. The flow meter was received on April 28, 2010 and the operators contacted Lower Platte North Natural Resources District (LPNNRD) that flow meter was received. • The operators dropped off real estate paperwork at property owners. • Conducted LL4 72-hour constant rate test and 8 hour step test for FEW-15. • The operators mowed and trimmed around Main GTP. • Mead Open House held on April 21, 2010. • LL4 GTP Construction walk through held on April 22, 2010. • Meteorological (MET) tower meeting held on April 22, 2010. • Performed FEW-15 Step Test. • ECC continued with aquifer characterization field activities. • The operators implemented recycling program.
May	• Cleaned office and motor control center room. • The operators mowed around Main GTP, GCW-01, EW-01, EW-03, EW-05, EW-07, FEW-14, EW-16, FEW-15 and AOP GTP, and sprayed at weeds at EW-9 and EW-10. • Aquifer characterization conducted. • The operators painted piping for effluent pump P-921 at Main GTP. • The operators re-built the irrigation pump at AOP GTP for the sprinkler system operation at AOP and LL4 GTPs. • The operators rebuilt outside light at EW-07 pump house. • The operators worked on outside lights at LL1 GTP. • The operators did a utility locate for University of Nebraska Lincoln at LL1 GTP. • Harold Kolb's water line and flow meter installation on May 28, 2010. Completed on June 1, 2010.
June	• Cleaned office and motor control center room. • The operators mowed and trimmed EW-01, EW-03, EW-05, and EW-08. Also trimmed and sprayed around FEW-11. Mowed and trimmed EW-04, FEW-15 and EW-16. Mowed around Groundwater Circulation Well (GCW)-01, Main, LL1, LL4 and AOP GTPs. • The operators pressure washed AOP floor and equipment. • The operators painted bollards at GCW-01, EW-02, EW-03, EW-04, EW-05 and FEW-11. • The operators cleaned and sharpened blades on lawn mower. • The operators sampled GCW-1 monitoring wells on June 16, 2010. • The operators removed and replaced exhaust fan motor from GCW-01.
July	• Cleaned office and motor control center room. • The operators mowed, trimmed, and sprayed EW-6, EW-07, EW-09 and EW-10. • The operators cleaned grates and flushed troughs at Main GTP. • The operators mowed around Main GTP. • The operators cleaned Main GTP for open house meeting and cleaned the storage area at

Table 7-2
Miscellaneous Maintenance Activities for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Maintenance Activities
	LL1 and Main GTP for the open house. • Open house held on July 21, 2010. • The operators cleaned AOP GTP roof. • The operators installed shelving at LL1 GTP and cleaned up LL1 GTP. • The operators mowed and trimmed around EW-03, EW-04, FEW-14, EW-16, FEW-15, GCW-1, and EW-05. • The operators serviced lawn mower and sharpened the mower blades. • The operators mowed around EW-08 and FEW-11. • The operators repaired cord and ground fault circuit interrupter (GFCI) on Hotsey steam cleaner. • The operators supported the aquifer characterization program subcontractors during this month.
August	• Cleaned office and motor control center room. • The operators took water levels associated with Main, LL1, AOP and LL4 GTPs on August 3, 2010. • The operators cleaned FEW-11, EW-10, EW-09, EW-07, and EW-06. • The operators repaired door closure at EW-09. • The operators repaired outside light at EW-07. • The operators fixed outside lights at LL4 GTP • The operators mowed and trimmed around EW-01, EW-03, EW-04, EW-05, EW-06, EW-07, EW-09, EW-10, FEW-14, and EW-16 • ECC initiated Main GTP expansion work with utility relocate performed between August 23 to 25, 2010. • ECC relocated telephone cable at Main GTP during week of August 16, 2010. • The operators provided oversight of geo-probe work and drilling associated with field aquifer characterization. • Mowed around LL1 GTP, AOP/LL4 GTPs, and GCW-1. • The operators sprayed for weeds around Main GTP. • The operators along with other ECC personnel, performed site wide water levels on August 26, 2010. • Kick off meeting for Main GTP expansion building held on August 26, 2010. • Performance Testing of LL4 GTP between August 26 to 29, 2010.

Table 7-2
Miscellaneous Maintenance Activities for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Maintenance Activities
September	• Cleaned office and motor control center room. • The operators mowed around Main GTP. • Site work initiated for Main GTP expansion. • The operators worked on Government property inventory. • Operators changed GAC at Sutton residence. • The operators re-sampled for FEW-15 for fecal coliforms on September 2, 2010. Results passed. • The operators operated the filter press at Main GTP. • The operators repaired light fixture at LL4 GTP. • ECC completed fence installation at landfill. • Severe thunderstorms in the Mead and Ashland Area on September 13-15, 2010. Minor damages to LL1 building wall, louver for LL1 building and FEW-11 building panels. • The operators replaced and rebuilt pre-lube pump for filter press at the Main GTP. • The operators worked on Government inventory this month. • The operators sharpened mower blades and clean lawn mower deck. • Main GTP expansion construction work. • Mowed around EW-03 and EW-16.
October	• Cleaned office and motor control center room. • The operators operated the filter press. • The operators replaced the louver at the LL1 GTP. • The operators mowed and trimmed around GCW-01, EW-01, EW-04, EW-05, FEW-14, FEW-15 and AOP/LL4 GTPs. • Defense Contract Audit Agency (DCAA) auditors onsite 10/18 and 10/19/10 to inspect ECC procurement documents. • Open house held on October 20, 2010. • Surface water sampling event. • The operators replaced the photoelectric eye at LL1 GTP. • The operators cleaned pump houses EW-03, FEW-11, 14, 15 and EW-16. • The operators measured site wide water levels on 10/29/10.
November	• Cleaned office and motor control center room. • The operators worked on outside lights at LL1 GTP. • The operators replaced light bulbs at EW-10, EW-6 and replaced fixture at EW-09. • The operators replaced damaged GAC vessel at Kirchmann residence, chlorinated, re-installed used carbon back in the vessel. • The operators worked on Section 32 gates. • The operators inspected and cleaned inside of wind generator inverters for GCW-01.

Table 7-2
Miscellaneous Maintenance Activities for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

Month	Maintenance Activities
December	• Cleaned office and motor control center room. • Energy audit by ECC team in progress. • The operators changed GAC at Irvin's residence, and also emptied and chlorinated spent carbon units from Irvin's residence. • The operators installed control board in spare variable frequency drive (VFD) at Main GTP. • The operators swept and washed down south bay at Main GTP. • The operators checked out uninterruptible power supply (UPS) from EW-3, found it broken, and ordered a new UPS. • The operators prepared pumps P-921 and P-725 for maintenance painting.

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FIGURES

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Figure 2-1
Average Monthly Extraction Well Flow Rates for 2010
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

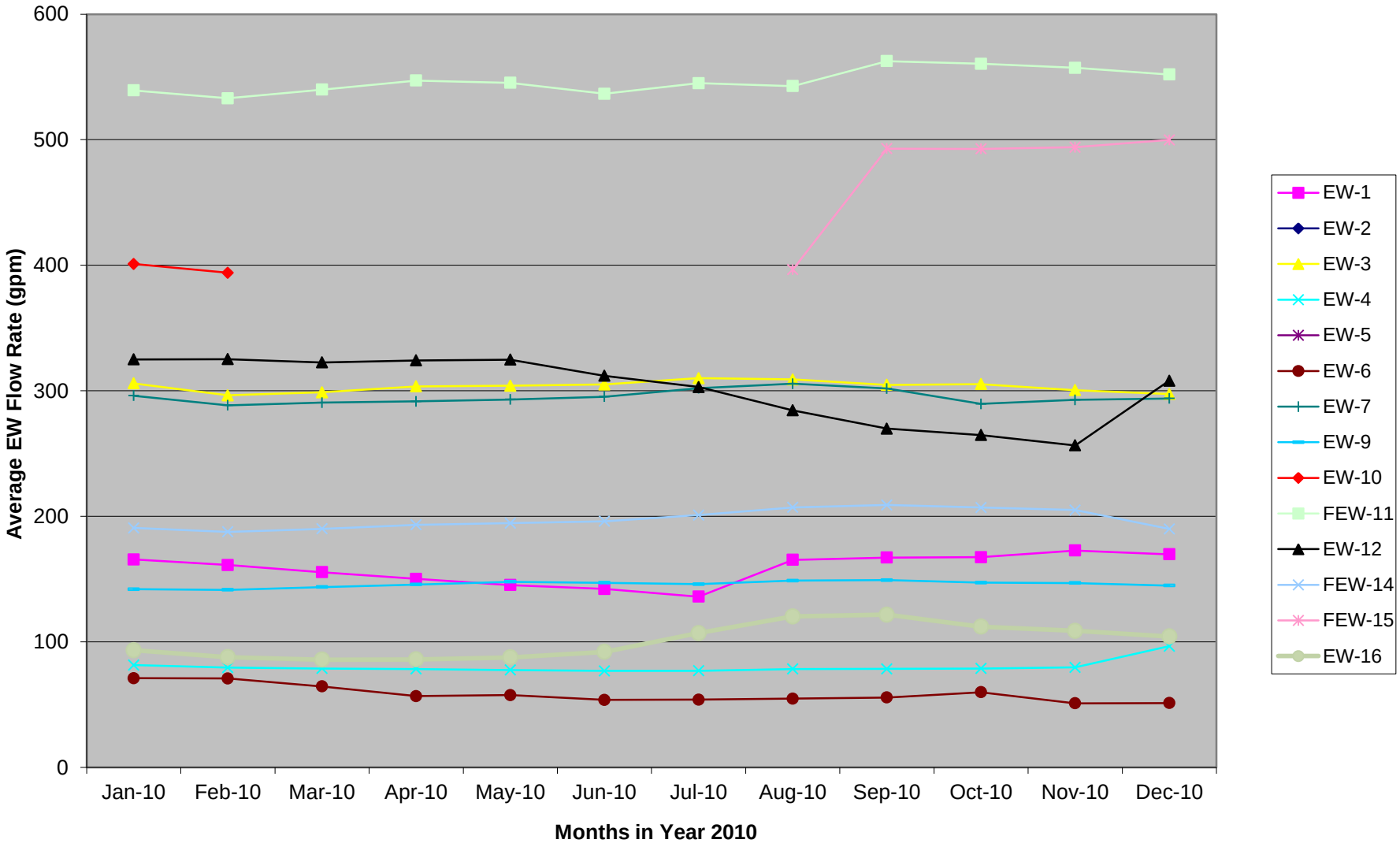

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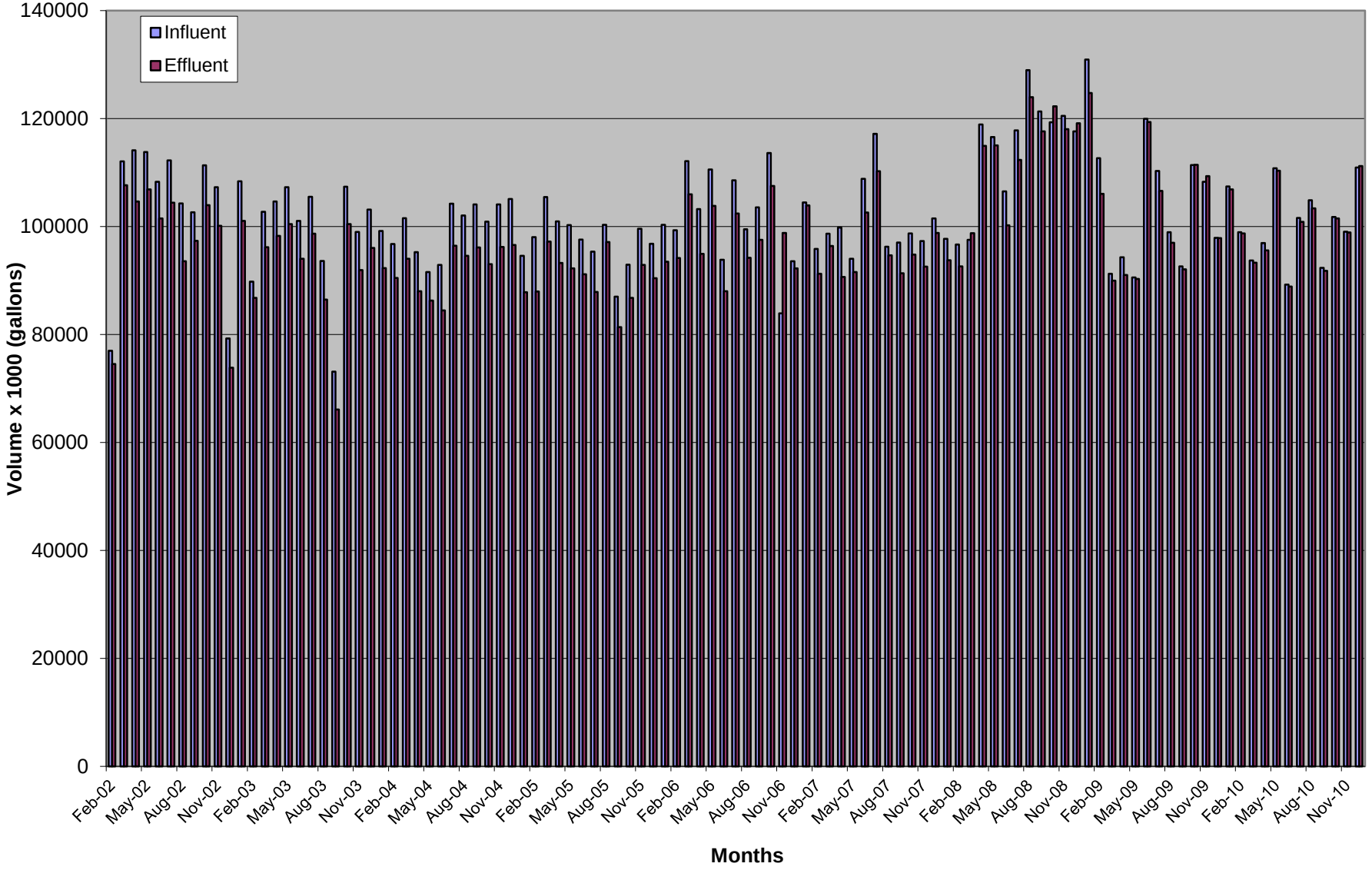
Figure 2-2
Main, Load Line 1, AOP and Load Line 4 GTPs
Groundwater Plant Influent and Effluent Production Since Startup
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska



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Appendix A
Discharge Monitoring Reports

Appendix A

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

	PERMIT NUMBER
	NE0132284
	DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - Main Plant

LOCATION: Wahoo Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	1	1		2010	3	31

PARAMETER		QUANTITY			CONCENTRATION				ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		
Flow	SAMPLE MEASUREMENT	1,990.0	2,670.0	1000 GAL/Day	967.0	1,990.0	2,670.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00237	< 0.00318	KG/Day		< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	2.02		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00079	< 0.00106	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	4.04		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	31.86099	43.45559	KG/Day	4.2	4.23	4.3	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1,010.59500		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00079	< 0.00106	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1.01		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00079	< 0.00106	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.05053		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00079	< 0.00106	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.20212		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				7	7	7	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on

FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE	TELEPHONE		DATE		
YOUR SIGNATURE:	303	590-1141			
TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM					
YOUR TITLE: PROJECT ENGINEER	AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:
1. Average quantities were calculated by multiplying average concentration by the average flow of the monitoring period.
2. Combined Explosives include TNT, RDX, Tetryl.

Appendix A

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

PERMIT NUMBER:

NE0132284
DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - Main Plant

LOCATION: Clear Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	1	1		2010	3	31

PARAMETER		QUANTITY AVERAGE	QUANTITY MAXIMUM	QUANTITY UNITS	CONCENTRATION MINIMUM	CONCENTRATION AVERAGE	CONCENTRATION MAXIMUM	CONCENTRATION UNITS	ANALYSIS FREQUENCY	SAMPLE TYPE
Flow	SAMPLE MEASUREMENT	950.0	1,050.0	1000 GAL/Day	220.0	950.0	1,050.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00113	< 0.00125	KG/Day		< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.79		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00038	< 0.00042	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1.59		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	15.21002	17.08928	KG/Day	4.2	4.23	4.3	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	397.43		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00038	< 0.00042	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.40		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00038	< 0.00042	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.01987		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00038	< 0.00042	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.07949		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				7	7	7	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on

FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE

YOUR SIGNATURE:

TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM

YOUR TITLE: PROJECT ENGINEER

TELEPHONE		DATE		
303	590-1141			
AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:

1. Average quantities were calculated by multiplying average concentration by the average flow of the monitoring period.
2. Combined Explosives include TNT, RDX, Tetryl.

Appendix A

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

	PERMIT NUMBER
	NE0132284
	DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - LL1 Plant

LOCATION: Wahoo Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	1	1		2010	3	31

PARAMETER		QUANTITY AVERAGE	QUANTITY MAXIMUM	QUANTITY UNITS	CONCENTRATION MINIMUM	CONCENTRATION AVERAGE	CONCENTRATION MAXIMUM	CONCENTRATION UNITS	ANALYSIS FREQUENCY	SAMPLE TYPE
Flow	SAMPLE MEASUREMENT	443.6	506.3	1000 GAL/Day	104.9	443.6	506.3	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00053	< 0.00060	KG/Day		< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.38		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00018	< 0.00020	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.77		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	17.34434	21.07980	KG/Day	10	10.33	11	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	191.63455		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00018	< 0.00020	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.19		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00018	< 0.00020	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.00958		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00018	< 0.00020	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.03833		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				7	7	7	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on

FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE	TELEPHONE		DATE		
YOUR SIGNATURE:	303	590-1141			
TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM					
YOUR TITLE: PROJECT ENGINEER	AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:
1. Average quantities were calculated by multiplying average concentration by the average flow of the monitoring period.
2. Combined Explosives include TNT, RDX, Tetryl.

Appendix A

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

	PERMIT NUMBER
	NE0132284
	DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - Main Plant

LOCATION: Clear Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	4	1		2010	6	30

PARAMETER		QUANTITY AVERAGE	QUANTITY MAXIMUM	QUANTITY UNITS	CONCENTRATION MINIMUM	CONCENTRATION AVERAGE	CONCENTRATION MAXIMUM	CONCENTRATION UNITS	ANALYSIS FREQUENCY	SAMPLE TYPE
Flow	SAMPLE MEASUREMENT	705.0	1,130.0	1000 GAL/Day	120.0	705.0	1,130.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00084	< 0.00135	KG/Day	0.000315	< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.86		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00028	< 0.00045	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1.71		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	11.74107	21.81296	KG/Day	4	4.4	5.1	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	427.71		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00041	< 0.00107	KG/Day	< 0.000105	< 0.000153	< 0.00025	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.43		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00028	< 0.00045	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.02139		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00028	< 0.00045	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.08554		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				7	7	7	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on

FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE	TELEPHONE		DATE		
YOUR SIGNATURE:	303	298-7607			
TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM					
YOUR TITLE: PROJECT ENGINEER	AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:

1. Average quantities were calculated by multiplying average concentration by the average flow of the monitoring period.
2. Combined Explosives include TNT, RDX, Tetryl.

Appendix A

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

	PERMIT NUMBER
	NE0132284
	DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - Main Plant

LOCATION: Wahoo Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	4	1		2010	6	30

PARAMETER		QUANTITY AVERAGE	QUANTITY MAXIMUM	QUANTITY UNITS	CONCENTRATION MINIMUM	CONCENTRATION AVERAGE	CONCENTRATION MAXIMUM	CONCENTRATION UNITS	ANALYSIS FREQUENCY	SAMPLE TYPE
Flow	SAMPLE MEASUREMENT	2,091.0	3,220.0	1000 GAL/Day	790.0	2,091.0	3,220.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00249	< 0.00384	KG/Day	0.000315	< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	2.44		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00083	< 0.00128	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	4.88		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	34.82351	62.15727	KG/Day	4	4.4	5.1	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1,218.77000		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00121	< 0.00305	KG/Day	< 0.000105	< 0.000153	< 0.00025	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1.22		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00398	< 0.01584	KG/Day	< 0.000105	< 0.000503	< 0.0013	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.06094		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00083	< 0.00128	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.24375		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				7	7	7	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on

FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE	TELEPHONE		DATE		
YOUR SIGNATURE:	303	298-7607			
TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM					
YOUR TITLE: PROJECT ENGINEER	AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:
1. Average quantities were calculated by multiplying average concentration by the average flow of the monitoring period.
2. Combined Explosives include TNT, RDX, Tetryl.

Appendix A

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

	PERMIT NUMBER

NE0132284
DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - LL1 Plant

LOCATION: Wahoo Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	4	1		2010	6	30

PARAMETER		QUANTITY			CONCENTRATION				ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		
Flow	SAMPLE MEASUREMENT	464.0	638.0	1000 GAL/Day	365.0	464.0	638.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00055	< 0.00076	KG/Day	0.000315	< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.48		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00018	< 0.00025	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.97		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	17.50971	24.14830	KG/Day	9.9	9.97	10	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	241.48300		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00018	< 0.00025	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.24		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00034	< 0.00060	KG/Day	< 0.000105	< 0.000195	< 0.00025	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.01207		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00018	< 0.00025	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.04830		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				7	7	7	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

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FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE	TELEPHONE		DATE		
YOUR SIGNATURE:	303	298-7607			
TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM					
YOUR TITLE: PROJECT ENGINEER	AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:
1. Average quantities were calculated by multiplying average concentration by the average flow of the monitoring period.
2. Combined Explosives include TNT, RDX, Tetryl.

Appendix A

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

PERMIT NUMBER:

NE0132284
DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - Main Plant

LOCATION: Clear Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	7	1		2010	9	30

PARAMETER		QUANTITY AVERAGE	QUANTITY MAXIMUM	QUANTITY UNITS	CONCENTRATION MINIMUM	CONCENTRATION AVERAGE	CONCENTRATION MAXIMUM	CONCENTRATION UNITS	ANALYSIS FREQUENCY	SAMPLE TYPE
Flow	SAMPLE MEASUREMENT	773.0	1,340.0	1000 GAL/Day	0.0	773.0	1,340.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00092	< 0.00160	KG/Day		< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1.01		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00049	< 0.00148	KG/Day	< 0.000105	< 0.000167	< 0.000291	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	2.03		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	13.95609	24.85231	KG/Day	4.6	4.77	4.9	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	507.19		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00031	< 0.00053	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.51		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00031	< 0.00053	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.02536		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00031	< 0.00053	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.10144		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				7.2	7.23	7.3	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

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FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE

YOUR SIGNATURE:

TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM

YOUR TITLE: PROJECT ENGINEER

TELEPHONE		DATE		
303	298-7607			
AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:

1. Average quantities were calculated by multiplying average concentration by the average flow of the monitoring period.
2. Combined Explosives include TNT, RDX, Tetryl.

Appendix A

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

	PERMIT NUMBER
	NE0132284
	DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - Main Plant

LOCATION: Wahoo Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	7	1		2010	9	30

PARAMETER		QUANTITY			CONCENTRATION				ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		
Flow	SAMPLE MEASUREMENT	2,055.0	3,060.0	1000 GAL/Day	755.0	2,055.0	3,060.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00245	< 0.00365	KG/Day		< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	2.32		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00130	< 0.00337	KG/Day	< 0.000105	< 0.000167	< 0.000291	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	4.63		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	37.10189	56.75229	KG/Day	4.6	4.77	4.9	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1,158.21000		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00082	< 0.00122	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1.16		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00082	< 0.00122	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.05791		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00082	< 0.00122	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.23164		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				7.2	7.23	7.3	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

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FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE

YOUR SIGNATURE:

TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM

YOUR TITLE: PROJECT ENGINEER

TELEPHONE		DATE		
303	298-7607			
AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:
1. Average quantities were calculated by multiplying average concentration by the average flow of the monitoring period.
2. Combined Explosives include TNT, RDX, Tetryl.

Appendix A

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

	PERMIT NUMBER
	NE0132284
	DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - LL1 Plant

LOCATION: Wahoo Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	7	1		2010	9	30

PARAMETER		QUANTITY			CONCENTRATION				ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		
Flow	SAMPLE MEASUREMENT	405.0	568.0	1000 GAL/Day	169.0	405.0	568.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00048	< 0.00068	KG/Day		< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.43		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00016	< 0.00023	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.86		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	15.68182	23.21870	KG/Day	9.8	10.23	10.8	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	214.98800		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00016	< 0.00023	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.21		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00016	< 0.00023	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.01075		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00016	< 0.00023	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.04300		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				8.3	8.3	8.3	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

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YOUR SIGNATURE:	303	298-7607			
TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM					
YOUR TITLE: PROJECT ENGINEER	AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:
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2. Combined Explosives include TNT, RDX, Tetryl.

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

PERMIT NUMBER:

NE0132284
DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - Main Plant

LOCATION: Clear Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	10	1		2010	12	31

PARAMETER		QUANTITY AVERAGE	QUANTITY MAXIMUM	QUANTITY UNITS	CONCENTRATION MINIMUM	CONCENTRATION AVERAGE	CONCENTRATION MAXIMUM	CONCENTRATION UNITS	ANALYSIS FREQUENCY	SAMPLE TYPE
Flow	SAMPLE MEASUREMENT	1,032.0	1,350.0	1000 GAL/Day	610.0	1,032.0	1,350.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00123	< 0.00161	KG/Day		< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1.02		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00041	< 0.00054	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	2.04		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	17.57754	24.52680	KG/Day	4	4.5	4.8	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	510.98		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00041	< 0.00054	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.51		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00041	< 0.00054	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.02555		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00041	< 0.00054	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.10220		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				7.1	7.2	7.3	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

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FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE

YOUR SIGNATURE:

TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM

YOUR TITLE: PROJECT ENGINEER

TELEPHONE		DATE		
303	298-7607			
AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:

1. Average quantities were calculated by multiplying average concentration by the average flow of the monitoring period.
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Appendix A

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

	PERMIT NUMBER
	NE0132284
	DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - Main Plant

LOCATION: Wahoo Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	10	1		2010	12	31

PARAMETER		QUANTITY			CONCENTRATION				ANALYSIS FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		
Flow	SAMPLE MEASUREMENT	2,037.0	2,610.0	1000 GAL/Day	800.0	2,037.0	2,610.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00243	< 0.00311	KG/Day		< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	1.98		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00081	< 0.00104	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	3.95		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	34.69520	47.41848	KG/Day	4	4.5	4.8	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	987.88500		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00081	< 0.00104	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.99		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00081	< 0.00104	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.04939		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00081	< 0.00104	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.19758		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				7.1	7.2	7.3	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

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FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE	TELEPHONE		DATE		
YOUR SIGNATURE:	303	298-7607			
TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM					
YOUR TITLE: PROJECT ENGINEER	AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

MEAD, NEBRASKA

PERMITTEE NAME AND ADDRESS: USACE
c/o Environmental Chemical Corp
905 County Road 6

	PERMIT NUMBER
	NE0132284
	DISCHARGE NUMBER

FACILITY: Former Nebraska Ordnance Plant - LL1 Plant

LOCATION: Wahoo Creek

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
2010	10	1		2010	12	31

PARAMETER		QUANTITY AVERAGE	QUANTITY MAXIMUM	QUANTITY UNITS	CONCENTRATION MINIMUM	CONCENTRATION AVERAGE	CONCENTRATION MAXIMUM	CONCENTRATION UNITS	ANALYSIS FREQUENCY	SAMPLE TYPE
Flow	SAMPLE MEASUREMENT	305.0	502.0	1000 GAL/Day	0.0	305.0	502.0	1000 GAL/Day	Daily	Meter
	PERMIT MEASUREMENT	N/A	N/A		N/A	N/A	N/A			
Combined Explosives	SAMPLE MEASUREMENT	< 0.00036	< 0.00060	KG/Day		< 0.000315	< 0.000315	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.38		0.1	N/A	0.2			
Total HMX	SAMPLE MEASUREMENT	< 0.00012	< 0.00020	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.76		0.2	N/A	0.4			
Nitrate as N	SAMPLE MEASUREMENT	11.77514	19.57072	KG/Day	10	10.2	10.3	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	190.00700		N/A	N/A	100			
Total RDX	SAMPLE MEASUREMENT	< 0.00012	< 0.00020	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.19		0.05	N/A	0.1			
TCE	SAMPLE MEASUREMENT	< 0.00012	< 0.00020	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.00950		0.005	N/A	0.005			
TNT	SAMPLE MEASUREMENT	< 0.00012	< 0.00020	KG/Day	< 0.000105	< 0.000105	< 0.000105	mg/l	3	Grab
	PERMIT MEASUREMENT	N/A	0.03800		0.01	N/A	0.02			
pH	SAMPLE MEASUREMENT				8.3	8.33	8.4	S.U.	3	Grab
	PERMIT MEASUREMENT				6.5		9			

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on

FOR COGNIZANT OFFICIAL OR AUTHORIZED REPRESENTATIVE	TELEPHONE		DATE		
YOUR SIGNATURE:	303	298-7607			
TYPE OR PRINT YOUR NAME: GANESH SUBRAMANIAM					
YOUR TITLE: PROJECT ENGINEER	AREA CODE	NUMBER	MO.	DAY	YEAR

Notes:
1. Average quantities were calculated by multiplying average concentration by the average flow of the monitoring period.
2. Combined Explosives include TNT, RDX, Tetryl.

Appendix B
Process Flow Data for the Main Groundwater Treatment Plant

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
1/1/2010			703.605			555.452			917.603			394.268	
1/2/2010													
1/3/2010													
1/4/2010	0609	168	704.431	1068.7	0	555.452	1080.2	309	918.915	1077.1	81	394.618	1064.8
1/5/2010	0538	168	704.555	1068.7	0	555.452	1080.2	304	919.346	1077.1	81	394.732	1064.8
1/6/2010	0545	165	704.796	1068.7	0	555.452	1080.2	308	919.788	1077.1	81	394.850	1064.8
1/7/2010													
1/8/2010													
1/9/2010													
1/10/2010													
1/11/2010	0551	165	705.553	1068.8	0	555.452	1080.2	310	921.187	1077.6	84	395.226	1064.8
1/12/2010	0538	168	705.781	1068.7	0	555.452	1080.2	312	921.612	1077.3	83	395.346	1064.8
1/13/2010	0541	168	706.021	1068.8	0	555.452	1080.2	311	922.061	1077.3	83	395.460	1064.8
1/14/2010	0526	167	706.258	1068.7	0	555.452	1080.2	311	922.504	1077.2	83	395.578	1064.8
1/15/2010	0520	165	706.496	1068.7	0	555.452	1080.2	311	922.949	1077.1	82	395.696	1064.8
1/16/2010	0710	166	706.752	1068.8	0	555.452	1080.2	311	923.429	1077.2	82	395.823	1064.8
1/17/2010													
1/18/2010	0526	165	707.213	1068.8	0	555.452	1080.2	308	924.286	1077.1	82	396.050	1064.8
1/19/2010	0525	167	707.450	1068.8	0	555.452	1080.2	304	924.725	1077.2	82	396.167	1064.8
1/20/2010	0559	165	707.694	1068.9	0	555.452	1080.2	306	925.172	1077.2	81	396.288	1064.8
1/21/2010	0543	165	707.930	1068.9	0	555.452	1080.2	303	925.604	1077.2	81	396.404	1064.8
1/22/2010	0605	166	708.171	1069.1	0	555.452	1080.2	304	926.044	1077.1	81	396.522	1064.8
1/23/2010													
1/24/2010													
1/25/2010	0606	165	708.883	1069.9	0	555.452	1080.2	302	927.349	1077.1	80	396.872	1064.9
1/26/2010	0544	164	709.117	1069.9	0	555.452	1080.2	302	927.777	1077.1	81	396.987	1064.8
1/27/2010	0543	164	709.354	1069.9	0	555.452	1080.2	300	928.206	1077.1	80	397.103	1064.8
1/28/2010	0551	163	709.591	1068.8	0	555.452	1080.2	300	928.638	1077.1	80	397.219	1064.8
1/29/2010	0518	163	709.822	1068.8	0	555.452	1080.2	297	929.057	1077.2	80	397.393	1064.8
1/30/2010													
1/31/2010													
		TOTAL	7.164		TOTAL	-		TOTAL	12.747		TOTAL	3.410	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
1/1/2010	0:00		796.012			1,011.513			1,193.307			864.831	
1/2/2010	0:00												
1/3/2010	0:00												
1/4/2010	0609	0	796.012	1095.7	70	1,011.814	1090.3	295	1,194.569	1075.8	0	864.831	1116.2
1/5/2010	0538	0	796.012	1095.7	71	1,011.914	1090.2	293	1,194.984	1075.9	0	864.831	1116.2
1/6/2010	0545	0	796.012	1095.7	71	1,012.018	1090.2	296	1,195.410	1075.8	0	864.831	1116.2
1/7/2010	0:00												
1/8/2010	0:00												
1/9/2010	0:00												
1/10/2010	0:00												
1/11/2010	0551	0	796.012	1095.7	73	1,012.345	1090.2	315	1,196.804	1075.9	0	864.831	1116.2
1/12/2010	0538	0	796.012	1095.7	72	1,012.444	1090.2	307	1,197.230	1075.8	0	864.831	1116.2
1/13/2010	0541	0	796.012	1095.7	73	1,012.548	1090.2	303	1,197.669	1075.8	0	864.831	1116.2
1/14/2010	0526	0	796.012	1095.7	72	1,012.651	1090.2	299	1,198.098	1075.8	0	864.831	1116.2
1/15/2010	0520	0	796.012	1095.7	72	1,012.753	1090.2	299	1,198.526	1075.8	0	864.831	1116.2
1/16/2010	0710	0	796.012	1095.7	72	1,012.864	1090.2	299	1,198.987	1075.8	0	864.831	1116.2
1/17/2010	0:00												
1/18/2010	0526	0	796.012	1095.7	71	1,013.063	1090.2	295	1,199.809	1075.8	0	864.831	1116.2
1/19/2010	0525	0	796.012	1095.7	72	1,013.166	1090.2	294	1,200.231	1075.8	0	864.831	1116.2
1/20/2010	0559	0	796.012	1095.7	72	1,013.272	1090.2	295	1,200.665	1075.8	0	864.831	1116.2
1/21/2010	0543	0	796.012	1095.7	71	1,013.374	1090.2	292	1,201.083	1075.8	0	864.831	1116.2
1/22/2010	0605	0	796.012	1095.7	71	1,013.478	1090.2	293	1,201.510	1075.8	0	864.831	1116.2
1/23/2010	0:00												
1/24/2010	0:00												
1/25/2010	0606	0	796.012	1095.7	69	1,013.926	1090.2	291	1,202.775	1075.9	0	864.831	1116.2
1/26/2010	0544	0	796.012	1095.7	70	1,014.026	1090.2	290	1,203.189	1075.9	0	864.831	1116.2
1/27/2010	0543	0	796.012	1095.7	69	1,014.126	1090.3	290	1,203.607	1075.8	0	864.831	1116.2
1/28/2010	0551	0	796.012	1095.7	69	1,014.227	1090.3	290	1,204.026	1075.8	0	864.831	1116.2
1/29/2010	0518	0	796.012	1095.7	70	1,014.325	1090.3	290	1,204.435	1075.9	0	864.831	1116.2
1/30/2010	0:00												
1/31/2010	0:00												
		TOTAL	-		TOTAL	3.388		TOTAL	12.387		TOTAL	-	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			400			550			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
1/1/2010	0:00		681.546			1,464.660			450.027			56.919	
1/2/2010	0:00												
1/3/2010	0:00												
1/4/2010	0609	141	682.147	1077.8	402	1,466.390	1072.2	544	452.182	1097.0	189	57.729	1073.7
1/5/2010	0538	142	682.346	1077.8	401	1,466.955	1072.2	0	452.253	1111.0	190	57.997	1073.8
1/6/2010	0545	142	682.551	1077.8	401	1,467.535	1072.2	560	452.920	1097.0	190	58.272	1073.7
1/7/2010	0:00												
1/8/2010	0:00												
1/9/2010	0:00												
1/10/2010	0:00												
1/11/2010	0551	145	683.200	1077.9	414	1,469.408	1072.2	556	455.246	1097.3	196	59.169	1073.7
1/12/2010	0538	144	683.398	1077.8	411	1,469.973	1072.2	557	456.006	1097.0	193	59.437	1073.7
1/13/2010	0541	143	683.605	1077.8	407	1,470.561	1072.2	553	456.808	1097.0	193	59.716	1073.7
1/14/2010	0526	143	683.809	1077.8	405	1,471.139	1072.2	546	457.592	1097.0	192	59.99	1073.7
1/15/2010	0520	142	684.013	1077.8	403	1,471.717	1072.2	544	458.373	1097.0	191	60.265	1073.7
1/16/2010	0710	142	684.234	1077.8	402	1,472.341	1072.2	540	459.215	1097.0	192	60.561	1073.7
1/17/2010	0:00												
1/18/2010	0526	142	684.629	1077.8	401	1,473.456	1072.2	539	460.710	1097.0	192	61.092	1073.7
1/19/2010	0525	142	684.833	1077.8	400	1,474.030	1072.2	534	461.478	1097.1	191	61.366	1073.7
1/20/2010	0559	142	685.042	1077.8	401	1,474.620	1072.2	534	462.267	1097.0	191	61.647	1073.7
1/21/2010	0543	142	685.244	1077.8	399	1,475.188	1072.2	532	463.026	1097.1	190	61.919	1073.7
1/22/2010	0605	142	685.451	1077.8	400	1,475.771	1072.2	530	463.803	1097.0	190	62.197	1073.7
1/23/2010	0:00												
1/24/2010	0:00												
1/25/2010	0606	141	686.062	1077.8	397	1,477.491	1072.2	528	466.094	1097.0	189	63.018	1073.7
1/26/2010	0544	141	686.261	1077.8	397	1,478.054	1072.2	530	466.844	1097.0	189	63.287	1073.7
1/27/2010	0543	141	686.463	1077.8	396	1,478.623	1072.2	526	467.603	1097.0	189	63.558	1073.7
1/28/2010	0551	140	686.666	1077.8	395	1,479.196	1072.2	527	468.311	1097.0	189	63.831	1073.7
1/29/2010	0518	140	686.864	1077.9	396	1,479.725	1072.2	527	469.052	1097.0	189	64.096	1073.7
1/30/2010	0:00												
1/31/2010	0:00												
		TOTAL	5.926		TOTAL	16.809		TOTAL	21.282		TOTAL	8.0	
COMMENTS :	1/4/2010 FEW-11 off due to air compressor failure at AOP plant.												

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			**EW-16**		
DATE	**TIME**	**0**			**100**		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
1/1/2010	0:00					30.908	
1/2/2010	0:00						
1/3/2010	0:00						
1/4/2010	0609	0	0	1125.1	94	31.321	1079.2
1/5/2010	0538	0	0	1125.1	93	31.453	1079.2
1/6/2010	0545	0	0	1125.1	93	31.588	1079.2
1/7/2010	0:00						
1/8/2010	0:00						
1/9/2010	0:00						
1/10/2010	0:00						
1/11/2010	0551	0	0	1125.1	104	32.040	1079.2
1/12/2010	0538	0	0	1125.1	99	32.179	1079.2
1/13/2010	0541	0	0.049	1125.1	98	32.321	1079.3
1/14/2010	0526	0	0.064	1125.1	96	32.460	1079.2
1/15/2010	0520	0	0.143	1125.1	94	32.596	1079.2
1/16/2010	0710	0	0.285	1125.1	96	32.742	1079.2
1/17/2010	0:00						
1/18/2010	0526	0	0.305	1125.1	93	33.002	1079.2
1/19/2010	0525	0	0.344	1125.1	93	33.134	1079.2
1/20/2010	0559	0	0.369	1125.1	92	33.271	1079.2
1/21/2010	0543	0	0.369	1125.1	91	33.401	1079.2
1/22/2010	0605	0	0.375	1125.1	91	33.535	1079.3
1/23/2010	0:00						
1/24/2010	0:00						
1/25/2010	0606	0	0.375	1125.1	89	33.930	1079.2
1/26/2010	0544	0	0.375	1125.3	90	34.057	1079.2
1/27/2010	0543	0	0.415	1125.2	89	34.186	1079.2
1/28/2010	0551	0	0.415	1125.1	88	34.316	1079.2
1/29/2010	0518	0	0.415	1125.2	90	34.442	1079.2
1/30/2010	0:00						
1/31/2010	0:00						
		TOTAL	0.415		TOTAL	3.921	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
2/1/2010	0542	162	710.532	1069.7	0	555.452	1080.2	302	930.350	1077.1	79	397.678	1065.3
2/2/2010	0551	163	710.769	1069.6	0	555.452	1080.2	298	930.783	1077.1	79	397.792	1065.3
2/3/2010	0546	165	711.003	1069.6	0	555.452	1080.2	302	931.211	1077.1	80	397.905	1064.9
2/4/2010	0539	163	711.238	1069.6	0	555.452	1080.2	297	931.638	1077.1	80	398.020	1064.8
2/5/2010	0532	162	711.472	1069.6	0	555.452	1080.2	298	932.062	1077.1	80	398.134	1064.8
2/6/2010													
2/7/2010													
2/8/2010	3557	161	712.178	1069.7	0	555.452	1080.2	298	933.350	1077.1	80	398.480	1064.7
2/9/2010	3548	164	712.412	1069.7	0	555.452	1080.2	296	933.776	1077.2	80	398.595	1064.8
2/10/2010	0536	162	712.643	1069.8	0	555.452	1080.2	296	934.199	1077.1	80	398.709	1064.8
2/11/2010	0538	162	712.877	1069.7	0	555.452	1080.2	297	934.625	1077.1	79	398.823	1064.8
2/12/2010	0533	161	713.109	1069.7	0	555.452	1080.2	296	935.049	1077.1	79	398.937	1064.8
2/13/2010													
2/14/2010													
2/15/2010	0830	162	713.841	1069.7	0	555.452	1080.2	296	936.388	1077.1	79	399.297	1064.8
2/16/2010	0741	161	714.053	1069.8	0	555.452	1080.2	296	936.777	1077.1	80	399.402	1064.8
2/17/2010	0534	160	714.264	1069.7	0	555.452	1080.2	296	937.164	1077.1	80	399.506	1064.8
2/18/2010	0557	160	714.498	1069.7	0	555.452	1080.2	296	937.595	1077.1	79	399.623	1064.8
2/19/2010	0528	160	714.723	1069.7	0	555.452	1080.2	294	938.010	1077.1	80	399.735	1064.8
2/20/2010													
2/21/2010													
2/22/2010	0547	160	715.415	1069.7	0	555.452	1080.2	296	939.283	1077.1	79	400.079	1064.8
2/23/2010	0526	159	715.642	1067.7	0	555.452	1080.2	294	939.701	1077.1	79	400.191	1064.8
2/24/2010	0542	159	715.874	1067.7	0	555.452	1080.2	293	940.128	1077.1	79	400.306	1064.8
2/25/2010	0545	159	716.103	1067.7	0	555.452	1080.2	292	940.549	1077.1	79	400.480	1064.8
2/26/2010	0522	159	716.319	1069.6	0	555.452	1080.2	295	940.950	1077.1	79	400.528	1064.8
2/27/2010													
2/28/2010													
		TOTAL	6.234		TOTAL	-		TOTAL	11.865		TOTAL	3.192	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
2/1/2010	0542	0	796.012	1095.7	264	1,014.901	1075.2	290	1,205.694	1075.8	0	864.831	1116.2
2/2/2010	0551	0	796.012	1095.7	66	1,015.077	1090.2	288	1,206.113	1075.9	0	864.831	1116.2
2/3/2010	0546	0	796.012	1095.7	62	1,015.365	1090.2	291	1,206.527	1075.8	0	864.831	1116.2
2/4/2010	0539	0	796.012	1095.7	67	1,015.458	1090.2	291	1,206.941	1075.8	0	864.831	1116.2
2/5/2010	0532	0	796.012	1095.7	69	1,015.556	1090.2	289	1,207.355	1075.8	0	864.831	1116.2
2/6/2010	0:00												
2/7/2010	0:00												
2/8/2010	3557	0	796.012	1095.7	69	1,015.855	1090.2	288	1,208.606	1075.8	0	864.831	1116.2
2/9/2010	3548	0	796.012	1095.7	71	1,015.955	1090.2	289	1,209.021	1075.8	0	864.831	1116.2
2/10/2010	0536	0	796.012	1095.7	69	1,016.055	1090.2	288	1,209.431	1075.8	0	864.831	1116.2
2/11/2010	0538	0	796.012	1095.7	70	1,016.155	1090.2	287	1,209.846	1075.9	0	864.831	1116.2
2/12/2010	0533	0	796.012	1095.7	70	1,016.255	1090.2	287	1,210.260	1075.9	0	864.831	1116.2
2/13/2010	0:00												
2/14/2010	0:00												
2/15/2010	0830	0	796.012	1095.7	69	1,016.572	1090.2	289	1,211.566	1075.8	0	864.831	1116.2
2/16/2010	0741	0	796.012	1095.7	70	1,016.664	1090.2	289	1,211.945	1075.8	0	864.831	1116.2
2/17/2010	0534	0	796.012	1095.7	70	1,016.755	1090.2	288	1,212.323	1075.8	0	864.831	1116.2
2/18/2010	0557	0	796.012	1095.7	70	1,016.857	1090.2	288	1,212.745	1075.8	0	864.831	1116.2
2/19/2010	0528	0	796.012	1095.7	70	1,016.956	1090.2	288	1,213.151	1075.9	0	864.831	1116.2
2/20/2010	0:00												
2/21/2010	0:00												
2/22/2010	0547	0	796.012	1095.7	69	1,017.258	1090.3	289	1,214.397	1075.8	0	864.831	1116.2
2/23/2010	0526	0	796.012	1095.7	69	1,017.357	1090.2	287	1,214.805	1075.8	0	864.831	1116.2
2/24/2010	0542	0	796.012	1095.7	82	1,017.468	1089.3	288	1,215.223	1075.8	0	864.831	1116.2
2/25/2010	0545	0	796.012	1095.7	83	1,017.587	1089.2	288	1,215.637	1075.8	0	864.831	1116.2
2/26/2010	0522	0	796.012	1095.7	82	1,017.699	1089.2	288	1,216.029	1075.8	0	864.831	1116.2
2/27/2010	0:00												
2/28/2010	0:00												
		TOTAL	-		TOTAL	3.153		TOTAL	11.576		TOTAL	-	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			400			550			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
2/1/2010	0542	141	687.472	1077.8	397	1,481.469	1072.2	527	471.309	1097.0	189	64.915	1073.7
2/2/2010	0551	139	687.675	1077.8	395	1,482.040	1072.2	522	472.066	1097.0	188	65.187	1073.7
2/3/2010	0546	140	687.876	1077.9	395	1,482.606	1072.2	520	472.816	1097.1	188	65.457	1073.7
2/4/2010	0539	140	688.077	1077.9	395	1,483.171	1072.2	519	473.564	1097.0	188	65.727	1073.7
2/5/2010	0532	140	688.278	1077.8	394	1,483.736	1072.2	521	474.314	1097.0	188	65.996	1073.7
2/6/2010	0:00												
2/7/2010	0:00												
2/8/2010	3557	140	688.805	1077.8	395	1,485.444	1072.2	521	476.573	1097.0	187	66.810	1073.7
2/9/2010	3548	140	689.087	1077.8	394	1,486.011	1072.2	523	477.323	1097.0	187	67.080	1073.8
2/10/2010	0536	140	689.286	1077.8	394	1,486.572	1072.2	530	478.080	1096.7	187	67.347	1073.7
2/11/2010	0538	0	689.305	1077.8	394	1,486.890	1072.2	529	478.845	1096.7	188	67.618	1073.7
2/12/2010	0533	143	689.438	1077.8	394	1,487.703	1072.2	529	479.605	1096.7	187	67.888	1073.7
2/13/2010	0:00												
2/14/2010	0:00												
2/15/2010	0830	139	690.079	1077.9	393	1,489.487	1072.2	547	482.091	1096.2	187	68.741	1073.7
2/16/2010	0741	140	690.264	1077.8	394	1,490.005	1072.2	548	482.807	1096.2	188	68.989	1073.7
2/17/2010	0534	140	690.448	1077.8	394	1,490.522	1072.2	545	483.525	1096.2	187	69.236	1073.7
2/18/2010	0557	141	690.653	1077.8	393	1,491.099	1072.2	545	484.324	1096.2	187	69.510	1073.7
2/19/2010	0528	167	690.873	1077.8	394	1,491.653	1072.2	543	485.093	1096.3	188	69.775	1073.7
2/20/2010	0:00												
2/21/2010	0:00												
2/22/2010	0547	139	691.483	1077.9	394	1,493.357	1072.2	543	487.447	1096.2	188	70.590	1073.7
2/23/2010	0526	140	691.681	1077.8	393	1,493.915	1072.2	545	488.222	1096.3	187	70.858	1073.7
2/24/2010	0542	139	691.884	1077.9	0	1,494.170	1094.0	544	489.012	1096.2	187	71.131	1073.8
2/25/2010	0545	140	692.085	1077.8	0	1,494.170	1094.5	543	489.795	1096.2	188	71.402	1073.7
2/26/2010	0522	140	692.282	1077.8	0	1,494.170	1094.8	515	490.492	1097.1	189	71.659	1073.8
2/27/2010	0:00												
2/28/2010	0:00												
		TOTAL	5.437		TOTAL	12.701		TOTAL	21.496		**TOTAL**	7.557	
COMMENTS :	2/10/10 EW-9 off for piping replacement for UV system.												

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			EW-16		
DATE	TIME	0			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
2/1/2010	0542	0	0.415	1125.2	89	34.829	1079.2
2/2/2010	0551	0	0.415	1125.2	89	34.957	1079.2
2/3/2010	0546	0	0.415	1125.2	87	35.083	1079.2
2/4/2010	0539	0	0.415	1125.1	88	35.209	1079.2
2/5/2010	0532	0	0.415	1125.2	89	35.336	1079.2
2/6/2010	0:00						
2/7/2010	0:00						
2/8/2010	3557	0	0.415	1125.1	89	35.721	1079.2
2/9/2010	3548	0	0.415	1125.1	90	35.849	1079.2
2/10/2010	0536	0	0.415	1125.1	89	35.774	1079.2
2/11/2010	0538	0	0.415	1125.1	90	36.102	1079.2
2/12/2010	0533	0	0.415	1125.1	87	36.229	1079.2
2/13/2010	0:00						
2/14/2010	0:00						
2/15/2010	0830	0	0.415	1124.9	86	36.627	1079.2
2/16/2010	0741	0	0.415	1124.9	88	36.742	1079.2
2/17/2010	0534	0	0.415	1124.9	89	36.858	1079.2
2/18/2010	0557	0	0.415	1124.9	87	36.986	1079.2
2/19/2010	0528	0	0.415	1124.9	88	37.110	1079.2
2/20/2010	0:00						
2/21/2010	0:00						
2/22/2010	0547	0	0.415	1124.9	87	37.488	1079.2
2/23/2010	0526	0	0.415	1124.9	87	37.611	1079.2
2/24/2010	0542	0	0.415	1124.9	85	37.736	1079.2
2/25/2010	0545	0	0.415	1124.9	86	37.859	1079.2
2/26/2010	0522	0	0.415	1124.9	87	37.977	1079.2
2/27/2010	0:00						
2/28/2010	0:00						
		TOTAL	-		TOTAL	3.519	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
3/1/2010	0523	159	717.003	1069.7	0	555.452	1080.2	294	942.215	1077.2	79	400.870	1064.8
3/2/2010	0534	158	717.232	1069.6	0	555.452	1080.2	292	942.638	1077.1	79	400.984	1064.8
3/3/2010	0535	158	717.458	1069.7	0	555.452	1080.2	292	943.057	1077.1	78	401.097	1064.8
3/4/2010	0527	156	717.683	1069.7	0	555.452	1080.2	293	943.475	1077.2	79	401.210	1064.8
3/5/2010	0522	157	717.908	1069.8	0	555.452	1080.2	292	943.893	1077.2	79	401.323	1064.8
3/6/2010													
3/7/2010													
3/8/2010	0528	157	718.585	1070.4	0	555.452	1080.2	293	945.153	1077.1	78	401.663	1064.8
3/9/2010	0549	157	718.813	1070.7	0	555.452	1080.2	295	945.581	1077.1	79	401.778	1064.8
3/10/2010	0541	158	719.037	1070.9	0	555.452	1080.2	294	946.001	1077.1	78	401.890	1064.9
3/11/2010	0549	156	719.262	1070.8	0	555.452	1080.2	296	946.425	1077.1	77	402.002	1065.4
3/12/2010	0625	156	719.494	1071.2	0	555.452	1080.2	298	946.866	1077.1	79	402.118	1064.9
3/13/2010													
3/14/2010													
3/15/2010	0525	155	720.144	1070.9	0	555.452	1080.2	295	948.097	1077.2	78	402.446	1064.8
3/16/2010	0530	156	720.368	1070.9	0	555.452	1080.2	295	948.522	1077.1	78	402.559	1064.8
3/17/2010	0536	155	720.592	1070.8	0	555.452	1080.2	296	948.948	1077.1	78	402.672	1064.8
3/18/2010	0537	154	720.815	1070.7	0	555.452	1080.2	296	949.373	1077.1	78	402.784	1064.8
3/19/2010	0522	154	721.036	1070.7	0	555.452	1080.2	296	949.795	1077.1	78	402.896	1064.8
3/20/2010													
3/21/2010													
3/22/2010	0630	155	721.559	1071.3	0	555.452	1080.2	312	950.804	1077.5	82	403.161	1064.9
3/23/2010	0529	154	721.772	1070.5	0	555.452	1080.2	311	951.233	1077.1	80	403.272	1064.8
3/24/2010	0535	155	721.994	1070.4	0	555.452	1080.2	311	951.679	1077.1	80	403.388	1064.8
3/25/2010	0521	155	722.214	1070.4	0	555.452	1080.2	307	952.115	1077.1	80	403.508	1064.8
3/26/2010	0514	154	722.434	1070.4	0	555.452	1080.2	305	952.550	1077.1	79	403.615	1064.9
3/27/2010													
3/28/2010													
3/29/2010	0529	153	723.097	1070.4	0	555.452	1080.2	302	953.861	1077.2	79	403.959	1064.8
3/30/2010	0525	153	723.316	1070.3	0	555.452	1080.2	305	954.296	1077.1	79	404.072	1064.8
3/31/2010	0525	152	723.535	1070.3	0	555.452	1080.2	303	954.731	1077.1	79	404.186	1064.9
		TOTAL	6.751		TOTAL	-		TOTAL	12.950		TOTAL	3.430	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
3/1/2010	0523	0	796.012	1095.7	83	1,018.054	1089.2	287	1,217.270	1075.8	0	864.831	1116.2
3/2/2010	0534	0	796.012	1095.7	82	1,018.173	1089.2	288	1,217.686	1075.8	0	864.831	1116.2
3/3/2010	0535	0	796.012	1095.7	82	1,018.291	1089.2	287	1,218.099	1075.8	0	864.831	1116.2
3/4/2010	0527	0	796.012	1095.7	82	1,018.408	1089.2	285	1,218.150	1075.9	0	864.831	1116.2
3/5/2010	0522	0	796.012	1095.7	82	1,018.526	1089.2	287	1,218.922	1075.8	0	864.831	1116.2
3/6/2010	0:00												
3/7/2010	0:00												
3/8/2010	0528	0	796.012	1095.7	82	1,018.881	1089.3	289	1,220.165	1075.8	0	864.831	1116.2
3/9/2010	0549	0	796.012	1095.7	82	1,019.001	1089.3	290	1,220.587	1075.8	0	864.831	1116.2
3/10/2010	0541	0	796.012	1095.7	82	1,019.119	1089.3	288	1,221.000	1075.8	0	864.831	1116.2
3/11/2010	0549	0	796.012	1095.7	55	1,019.208	1091.3	288	1,221.415	1075.8	0	864.831	1116.2
3/12/2010	0625	0	796.012	1095.7	54	1,019.290	1091.3	287	1,221.844	1075.9	0	864.831	1116.2
3/13/2010	0:00												
3/14/2010	0:00												
3/15/2010	0525	0	796.012	1095.7	55	1,019.518	1091.4	287	1,223.043	1075.9	0	864.831	1116.2
3/16/2010	0530	0	796.012	1095.7	54	1,019.597	1091.4	288	1,223.457	1075.8	0	864.831	1116.2
3/17/2010	0536	0	796.012	1095.7	55	1,019.676	1091.4	287	1,223.872	1075.8	0	864.831	1116.2
3/18/2010	0537	0	796.012	1095.7	55	1,019.754	1091.4	287	1,224.286	1075.9	0	864.831	1116.2
3/19/2010	0522	0	796.012	1095.7	54	1,019.832	1091.4	288	1,224.697	1075.8	0	864.831	1116.2
3/20/2010	0:00												
3/21/2010	0:00												
3/22/2010	0630	0	796.012	1095.7	53	1,020.016	1091.8	320	1,225.674	1075.8	0	864.831	1116.2
3/23/2010	0529	0	796.012	1095.7	56	1,020.094	1091.4	298	1,226.092	1075.8	0	864.831	1116.2
3/24/2010	0535	0	796.012	1095.7	56	1,020.174	1091.4	295	1,226.519	1075.8	0	864.831	1116.2
3/25/2010	0521	0	796.012	1095.7	56	1,020.254	1091.4	292	1,226.937	1075.8	0	864.831	1116.2
3/26/2010	0514	0	796.012	1095.7	56	1,020.334	1091.4	293	1,227.355	1075.8	0	864.831	1116.2
3/27/2010	0:00												
3/28/2010	0:00												
3/29/2010	0529	0	796.012	1095.7	56	1,020.577	1091.4	291	1,228.616	1075.8	0	864.831	1116.2
3/30/2010	0525	0	796.012	1095.7	57	1,020.658	1091.4	291	1,229.033	1075.8	0	864.831	1116.2
3/31/2010	0525	0	796.012	1095.7	56	1,020.740	1091.5	291	1,229.452	1075.8	0	864.831	1116.2
		TOTAL	-		TOTAL	2.767		TOTAL	12.601		TOTAL	-	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			0			550			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
3/1/2010	0523	141	692.909	1077.8	0	1,494.170	1095.3	533	492.805	1096.4	188	72.472	1073.7
3/2/2010	0534	141	693.107	1077.8	0	1,494.170	1095.4	532	493.578	1096.5	188	72.744	1073.7
3/3/2010	0535	141	693.310	1077.8	0	1,494.170	1095.4	530	494.347	1096.4	188	73.016	1073.7
3/4/2010	0527	141	693.513	1077.8	0	1,494.170	1095.6	534	495.111	1096.4	187	73.286	1073.8
3/5/2010	0522	141	693.716	1077.8	0	1,494.170	1095.7	535	495.878	1096.4	188	73.556	1073.8
3/6/2010	0:00												
3/7/2010	0:00												
3/8/2010	0528	142	694.329	1077.8	0	1,494.170	1095.9	533	498.190	1096.5	188	74.369	1073.7
3/9/2010	0549	143	694.537	1077.8	0	1,494.170	1096.0	535	498.971	1096.4	189	74.644	1073.7
3/10/2010	0541	143	694.741	1077.8	0	1,494.170	1096.0	533	499.738	1096.4	189	74.915	1073.7
3/11/2010	0549	143	694.946	1077.8	0	1,494.170	1096.2	518	500.209	1097.6	189	75.187	1073.7
3/12/2010	0625	142	695.159	1077.8	0	1,494.170	1096.2	542	501.025	1096.4	188	75.469	1073.7
3/13/2010	0:00												
3/14/2010	0:00												
3/15/2010	0525	143	695.755	1077.8	0	1,494.170	1096.2	541	503.258	1096.4	188	76.258	1073.7
3/16/2010	0530	143	695.961	1077.8	0	1,494.170	1096.3	540	504.038	1096.4	188	76.530	1073.7
3/17/2010	0536	144	696.167	1077.8	0	1,494.170	1096.3	537	504.817	1096.4	189	76.803	1073.7
3/18/2010	0537	144	696.370	1077.8	0	1,494.170	1096.4	538	505.595	1096.4	189	77.075	1073.7
3/19/2010	0522	144	696.574	1077.8	0	1,494.170	1096.4	540	506.366	1096.4	190	77.345	1073.7
3/20/2010	0:00												
3/21/2010	0:00												
3/22/2010	0630	151	697.061	1077.8	0	1,494.170	1096.5	554	507.543	1097.0	201	77.991	1073.7
3/23/2010	0529	146	697.263	1077.8	0	1,494.170	1096.5	557	508.3	1096.5	193	78.261	1073.8
3/24/2010	0535	145	697.472	1077.8	0	1,494.170	1096.5	553	509.109	1096.5	192	78.539	1073.7
3/25/2010	0521	145	697.679	1077.8	0	1,494.170	1096.5	548	509.897	1096.4	190	78.813	1073.8
3/26/2010	0514	146	697.886	1077.8	0	1,494.170	1096.6	551	510.685	1096.4	191	79.087	1073.7
3/27/2010	0:00												
3/28/2010	0:00												
3/29/2010	0529	145	698.515	1077.8	0	1,494.170	1096.7	546	513.058	1069.4	192	79.919	1073.7
3/30/2010	0525	145	698.724	1077.8	0	1,494.170	1096.7	545	513.843	1069.4	193	80.195	1073.7
3/31/2010	0525	146	698.933	1077.8	0	1,494.170	1096.8	542	514.627	1096.5	192	80.473	1073.8
		TOTAL	6.234		TOTAL	-		TOTAL	22.603		**TOTAL**	8.279	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			EW-16		
DATE	TIME	0			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
3/1/2010	0523	0	0.415	1124.8	85	38.348	1079.2
3/2/2010	0534	0	0.415	1124.8	86	38.471	1079.2
3/3/2010	0535	0	0.415	1124.8	85	38.594	1079.2
3/4/2010	0527	0	0.415	1124.8	85	38.716	1079.2
3/5/2010	0522	0	0.415	1124.8	84	38.838	1079.3
3/6/2010	0:00						
3/7/2010	0:00						
3/8/2010	0528	0	0.415	1124.8	85	39.207	1079.2
3/9/2010	0549	0	0.415	1124.9	87	39.334	1079.2
3/10/2010	0541	0	0.415	1124.9	85	39.459	1079.2
3/11/2010	0549	0	0.415	1124.9	88	39.584	1079.2
3/12/2010	0625	0	0.415	1124.9	85	39.713	1079.2
3/13/2010	0:00						
3/14/2010	0:00						
3/15/2010	0525	0	0.415	1124.9	85	40.074	1079.2
3/16/2010	0530	0	0.415	1124.9	86	40.198	1079.2
3/17/2010	0536	0	0.415	1124.9	88	40.324	1079.2
3/18/2010	0537	0	0.415	1125.1	89	40.452	1079.2
3/19/2010	0522	0	0.415	1125.1	89	40.581	1079.2
3/20/2010	0:00						
3/21/2010	0:00						
3/22/2010	0630	0	0.415	1125.1	105	40.884	1079.3
3/23/2010	0529	0	0.415	1125.1	90	41.016	1079.2
3/24/2010	0535	0	0.415	1125.1	70	41.123	1079.2
3/25/2010	0521	0	0.415	1125.1	68	41.222	1079.2
3/26/2010	0514	0	0.415	1125.1	84	41.339	1078.9
3/27/2010	0:00						
3/28/2010	0:00						
3/29/2010	0529	0	0.415	1125.1	79	41.693	1078.9
3/30/2010	0525	0	0.415	1125.1	99	41.837	1078.5
3/31/2010	0525	0	0.415	1125.1	86	41.969	1078.7
		TOTAL	0.012		TOTAL	3.745	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
4/1/2010	0528	152	723.754	1070.2	0	555.452	1080.2	303	955.165	1077.1	79	404.300	1064.9
4/2/2010	0521	153	723.972	1070.2	0	555.452	1080.2	302	955.596	1077.1	80	404.413	1064.7
4/3/2010													
4/4/2010													
4/5/2010	0524	152	724.628	1070.1	0	555.452	1080.2	303	956.898	1077.2	79	404.753	1064.8
4/6/2010	0544	152	724.847	1070.4	0	555.452	1080.2	305	907.336	1077.1	78	404.866	1065.2
4/7/2010	0529	151	725.009	1070.7	0	555.452	1080.2	303	957.766	1077.2	79	404.978	1064.8
4/8/2010	0536	151	725.182	1070.7	0	555.452	1080.2	304	958.204	1077.1	79	405.092	1064.8
4/9/2010	0536	151	725.445	1070.5	0	555.452	1080.2	303	958.639	1077.2	79	405.206	1064.8
4/10/2010													
4/11/2010													
4/12/2010	0527	151	726.094	1070.3	0	555.452	1080.2	304	959.937	1077.1	79	405.545	1064.8
4/13/2010	0529	149	726.311	1070.3	0	555.452	1080.2	301	960.372	1077.1	78	405.658	1064.8
4/14/2010	0528	152	726.526	1070.2	0	555.452	1080.2	301	960.805	1077.1	78	405.771	1064.9
4/15/2010	0532	150	726.742	1070.2	0	555.452	1080.2	303	961.240	1077.1	78	405.884	1064.8
4/16/2010	0527	150	726.957	1070.1	0	555.452	1080.2	301	961.672	1077.1	78	405.996	1064.8
4/17/2010	0828	149	727.200	1070.1	0	555.452	1080.2	302	962.161	1077.2	78	406.123	1064.8
4/18/2010													
4/19/2010	0531	149	727.603	1070.0	0	555.452	1080.2	302	962.976	1077.1	78	406.335	1064.8
4/20/2010	0538	150	727.819	1070.0	0	555.452	1080.2	302	963.412	1077.1	78	406.448	1064.8
4/21/2010	0528	150	728.032	1070.0	0	555.452	1080.2	302	963.842	1077.1	78	406.559	1064.8
4/22/2010	0617	151	728.246	1070.4	0	555.452	1080.2	311	964.274	1077.1	79	406.672	1064.9
4/23/2010	0522	149	728.449	1070.2	0	555.452	1080.2	306	964.696	1077.1	77	406.778	1065.3
4/24/2010													
4/25/2010													
4/26/2010	0535	149	729.093	1070.9	0	555.452	1080.2	303	966.013	1077.1	78	407.117	1064.8
4/27/2010	0534	148	729.307	1070.8	0	555.452	1080.2	301	966.447	1077.1	78	407.229	1064.8
4/28/2010	0529	148	729.520	1070.7	0	555.452	1080.2	301	966.880	1077.1	78	407.342	1064.8
4/29/2010	0528	149	729.732	1070.6	0	555.452	1080.2	305	967.316	1077.2	78	407.454	1064.7
4/30/2010	0517	148	729.891	1070.8	0	555.452	1080.2	312	967.649	1077.2	79	407.539	1064.8
		TOTAL	6.376		TOTAL	-		TOTAL	12.929		TOTAL	3.353	

COMMENTS :

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
4/1/2010	0528	0	796.012	1095.7	57	1,020.821	1091.4	291	1,229.871	1075.8	0	864.831	1116.2
4/2/2010	0521	0	796.012	1095.7	57	1,020.902	1091.4	290	1,230.287	1075.8	0	864.831	1116.2
4/3/2010	0:00												
4/4/2010	0:00												
4/5/2010	0524	0	796.012	1095.7	56	1,021.146	1091.5	289	1,231.539	1075.8	0	864.831	1116.2
4/6/2010	0544	0	796.012	1095.7	58	1,021.229	1091.4	293	1,231.962	1075.8	0	864.831	1116.2
4/7/2010	0529	0	796.012	1095.7	56	1,021.308	1091.4	292	1,232.374	1075.8	0	864.831	1116.2
4/8/2010	0536	0	796.012	1095.7	56	1,021.390	1091.5	291	1,232.794	1075.8	0	864.831	1116.2
4/9/2010	0536	0	796.012	1095.7	56	1,021.472	1091.4	291	1,233.214	1075.8	0	864.831	1116.2
4/10/2010	0:00												
4/11/2010	0:00												
4/12/2010	0527	0	796.012	1095.7	57	1,021.716	1091.5	291	1,234.466	1075.8	0	864.831	1116.2
4/13/2010	0529	0	796.012	1095.7	57	1,021.798	1091.4	292	1,234.885	1075.8	0	864.831	1116.2
4/14/2010	0528	0	796.012	1095.7	57	1,021.880	1091.4	291	1,235.302	1075.8	0	864.831	1116.2
4/15/2010	0532	0	796.012	1095.7	57	1,021.962	1091.4	290	1,235.721	1075.9	0	864.831	1116.2
4/16/2010	0527	0	796.012	1095.7	57	1,022.043	1091.4	290	1,236.137	1075.8	0	864.831	1116.2
4/17/2010	0828	0	796.012	1095.7	57	1,022.136	1091.4	290	1,236.607	1075.8	0	864.831	1116.2
4/18/2010	0:00												
4/19/2010	0531	0	796.012	1095.7	57	1,022.290	1091.3	291	1,237.392	1075.8	0	864.831	1116.2
4/20/2010	0538	0	796.012	1095.7	57	1,022.372	1091.4	291	1,237.813	1075.8	0	864.831	1116.2
4/21/2010	0528	0	796.012	1095.7	57	1,022.454	1091.4	291	1,238.229	1075.8	0	864.831	1116.2
4/22/2010	0617	0	796.012	1095.7	53	1,022.536	1091.4	297	1,238.647	1075.8	0	864.831	1116.2
4/23/2010	0522	0	796.012	1095.7	59	1,022.615	1091.3	292	1,239.052	1076.8	0	864.831	1116.2
4/24/2010	0:00												
4/25/2010	0:00												
4/26/2010	0535	0	796.012	1095.7	57	1,022.863	1091.4	290	1,240.315	1075.8	0	864.831	1116.2
4/27/2010	0534	0	796.012	1095.7	57	1,022.945	1091.4	291	1,240.733	1075.8	0	864.831	1116.2
4/28/2010	0529	0	796.012	1095.7	57	1,023.027	1091.4	291	1,241.152	1075.8	0	864.831	1116.2
4/29/2010	0528	0	796.012	1095.7	58	1,023.110	1091.4	293	1,241.572	1075.8	0	864.831	1116.2
4/30/2010	0517	0	796.012	1095.7	57	1,023.172	1091.4	298	1,241.893	1075.8	0	864.831	1116.2
		TOTAL	-		TOTAL	2.434		TOTAL	12.446		TOTAL	-	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			0			550			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
4/1/2010	0528	145	699.143	1077.8	0	1,494.170	1096.8	545	515.408	1096.4	192	80.751	1073.7
4/2/2010	0521	146	699.352	1077.8	0	1,494.170	1096.8	545	516.191	1096.4	193	81.028	1073.7
4/3/2010	0:00												
4/4/2010	0:00												
4/5/2010	0524	146	699.981	1077.8	0	1,494.170	1096.8	543	518.546	1096.4	192	81.859	1073.7
4/6/2010	0544	0	700.146	1095.1	0	1,494.170	1096.9	554	519.161	1096.6	193	82.139	1073.7
4/7/2010	0529	147	700.332	1077.8	0	1,494.170	1096.9	552	519.924	1096.5	192	82.412	1073.8
4/8/2010	0536	146	700.544	1077.8	0	1,494.170	1096.9	549	520.720	1096.4	192	82.691	1073.7
4/9/2010	0536	146	700.755	1077.9	0	1,494.170	1096.9	545	521.508	1096.4	191	82.967	1073.7
4/10/2010	0:00												
4/11/2010	0:00												
4/12/2010	0527	147	701.385	1077.8	0	1,494.170	1097.0	541	523.860	1096.4	193	83.796	1073.7
4/13/2010	0529	147	701.596	1077.8	0	1,494.170	1097.0	545	524.646	1096.4	192	84.074	1073.7
4/14/2010	0528	146	701.806	1077.8	0	1,494.170	1097.0	543	525.429	1096.4	192	84.350	1073.8
4/15/2010	0532	146	702.018	1077.8	0	1,494.170	1097.0	545	526.215	1096.4	193	84.628	1073.7
4/16/2010	0527	147	702.228	1077.8	0	1,494.170	1097.0	546	526.996	1096.4	193	84.905	1073.7
4/17/2010	0828	147	702.465	1077.8	0	1,494.170	1097.0	542	527.878	1096.4	192	85.217	1073.8
4/18/2010	0:00												
4/19/2010	0531	147	702.861	1077.8	0	1,494.170	1097.1	545	529.350	1096.4	192	85.738	1073.7
4/20/2010	0538	147	703.073	1077.8	0	1,494.170	1097.1	545	530.137	1096.4	193	85.737	1073.7
4/21/2010	0528	147	703.283	1077.8	0	1,494.170	1097.1	543	530.915	1096.4	193	86.293	1073.7
4/22/2010	0617	149	703.494	1077.8	0	1,494.170	1097.1	548	531.693	1096.4	195	86.571	1073.7
4/23/2010	0522	120	703.698	1077.8	0	1,494.170	1097.2	547	532.443	1096.4	203	86.840	1073.6
4/24/2010	0:00												
4/25/2010	0:00												
4/26/2010	0535	147	704.335	1077.8	0	1,494.170	1097.2	552	534.405	1096.4	193	87.681	1073.7
4/27/2010	0534	147	704.546	1077.8	0	1,494.170	1097.2	552	535.057	1096.4	193	87.958	1073.7
4/28/2010	0529	147	704.758	1077.8	0	1,494.170	1097.2	551	535.851	1096.4	194	88.237	1073.7
4/29/2010	0528	148	704.970	1077.8	0	1,494.170	1097.3	552	536.643	1096.4	194	88.516	1073.7
4/30/2010	0517	149	705.130	1077.8	0	1,494.170	1097.2	553	537.229	1096.5	196	88.729	1073.7
		TOTAL	6.200		TOTAL	-		TOTAL	22.615		**TOTAL**	8.259	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			EW-16		
DATE	TIME	0			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
4/1/2010	0528	0	0.427	1125.2	87	42.093	1078.7
4/2/2010	0521	0	0.427	1125.2	85	42.217	1078.7
4/3/2010	0:00						
4/4/2010	0:00						
4/5/2010	0524	0	0.427	1125.2	83	42.578	1078.7
4/6/2010	0544	0	0.427	1124.8	86	42.700	1078.7
4/7/2010	0529	0	1.005	1124.8	84	42.819	1078.7
4/8/2010	0536	475	1.573	1113.2	83	42.938	1078.7
4/9/2010	0536	460	2.251	1113.3	85	43.058	1078.7
4/10/2010	0:00						
4/11/2010	0:00						
4/12/2010	0527	0	2.475	1124.8	83	43.416	1078.7
4/13/2010	0529	484	3.025	1112.7	83	43.536	1078.7
4/14/2010	0528	480	3.723	1112.5	83	43.656	1078.7
4/15/2010	0532	484	4.428	1112.2	84	43.776	1078.7
4/16/2010	0527	0	4.617	1124.2	81	43.895	1078.7
4/17/2010	0828	0	4.677	1124.3	81	44.028	1078.7
4/18/2010	0:00						
4/19/2010	0531	0	4.677	1124.7	81	44.251	1078.7
4/20/2010	0538	0	4.776	1124.7	83	44.370	1078.7
4/21/2010	0528	0	4.797	1124.8	96	44.480	1078.5
4/22/2010	0617	0	4.817	1124.8	96	44.615	1078.5
4/23/2010	0522	167	4.866	1121.2	93	44.744	1078.5
4/24/2010	0:00						
4/25/2010	0:00						
4/26/2010	0535	0	5.103	1124.8	90	45.138	1078.5
4/27/2010	0534	0	5.103	1124.8	88	45.266	1078.5
4/28/2010	0529	0	5.156	1124.8	89	45.395	1078.5
4/29/2010	0528	0	5.156	1124.9	91	45.525	1078.5
4/30/2010	0517	0	5.156	1124.9	92	45.624	1078.5
		TOTAL	4.757		TOTAL	3.660	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
5/1/2010			730.130			555.452			968.094			407.653	
5/2/2010													
5/3/2010	0528	147	730.528	1070.9	0	555.452	1080.2	306	968.983	1077.1	78	407.880	1064.9
5/4/2010	0527	147	730.740	1070.8	0	555.452	1080.2	309	969.422	1077.1	77	407.991	1065.3
5/5/2010	0533	146	730.952	1070.8	0	555.452	1080.2	304	969.864	1077.1	77	408.102	1065.3
5/6/2010	0630	147	731.171	1070.7	0	555.452	1080.2	305	970.318	1077.2	78	408.219	1064.9
5/7/2010	0625	147	731.382	1070.9	0	555.452	1080.2	307	970.755	1077.2	78	408.331	1064.8
5/8/2010													
5/9/2010													
5/10/2010	0635	145	732.015	1071.0	0	555.452	1080.2	305	972.067	107701.0	78	408.669	1064.8
5/11/2010	0705	146	732.230	1071.4	0	555.452	1080.2	305	972.516	1077.1	78	408.784	1064.8
5/12/2010	0645	146	732.253	1071.4	0	555.452	1080.2	303	972.950	1077.1	78	408.895	1064.8
5/13/2010	0710	146	732.639	1071.8	0	555.452	1080.2	305	973.388	1077.2	78	409.008	1064.8
5/14/2010	0642	145	732.844	1071.6	0	555.452	1080.2	303	973.814	1072.2	78	409.117	1064.8
5/15/2010													
5/16/2010													
5/17/2010	0535	146	733.211	1071.4	0	555.452	1080.2	303	975.096	1077.1	78	409.447	1064.8
5/18/2010	0532	147	733.657	1071.2	0	555.452	1080.2	301	975.530	1077.1	77	409.558	1064.8
5/19/2010	0525	145	733.865	1071.1	0	555.452	1080.2	299	975.960	1077.2	78	409.669	1064.8
5/20/2010	0526	146	734.073	1071.1	0	555.452	1080.2	304	976.395	1077.1	77	409.780	1064.8
5/21/2010	0518	145	734.281	1071.5	0	555.452	1080.2	303	976.828	1077.2	77	409.891	1064.8
5/22/2010	0635	144	734.440	1071.5	0	555.452	1080.2	302	977.287	1077.1	77	410.009	1064.8
5/23/2010													
5/24/2010	0529	144	734.906	1071.2	0	555.452	1080.2	302	978.132	1077.1	78	410.225	1064.8
5/25/2010	0526	144	735.112	1071.1	0	555.452	1080.2	301	978.565	1077.2	77	410.336	1064.8
5/26/2010	0514	143	735.317	1071.0	0	555.452	1080.2	304	978.995	1077.1	76	410.443	1065.3
5/27/2010	0530	144	735.499	1071.1	0	555.452	1080.2	308	979.384	1077.1	77	410.542	1064.9
5/28/2010	0519	141	735.704	1071.0	0	555.452	1080.2	306	979.820	1077.1	78	410.653	1064.8
5/29/2010													
5/30/2010													
5/31/2010													
		TOTAL	6.399		TOTAL	-		TOTAL	13.479		TOTAL	3.447	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
5/1/2010	0:00		796.012			1,023.255			1,242.317			864.831	
5/2/2010	0:00												
5/3/2010	0528	0	796.012	1095.7	57	1,023.421	1091.4	292	1,243.166	1075.8	0	864.831	1116.2
5/4/2010	0527	0	796.012	1095.7	58	1,023.502	1091.4	294	1,243.587	1075.8	0	864.831	1116.2
5/5/2010	0533	0	796.012	1095.7	57	1,023.585	1091.4	292	1,244.009	1075.8	0	864.831	1116.2
5/6/2010	0630	0	796.012	1095.7	55	1,023.664	1091.7	292	1,244.446	1075.8	0	864.831	1116.2
5/7/2010	0625	0	796.012	1095.7	59	1,023.746	1091.5	293	1,244.867	1075.8	0	864.831	1116.2
5/8/2010	0:00												
5/9/2010	0:00												
5/10/2010	0635	0	796.012	1095.7	58	1,023.995	1091.5	294	1,246.130	1075.8	0	864.831	1116.2
5/11/2010	0705	0	796.012	1095.7	57	1,024.081	1091.4	290	1,246.562	1075.9	0	864.831	1116.2
5/12/2010	0645	0	796.012	1095.7	57	1,024.163	1091.4	294	1,246.981	1075.8	0	864.831	1116.2
5/13/2010	0710	0	796.012	1095.7	57	1,024.247	1091.5	293	1,247.404	1075.8	0	864.831	1116.2
5/14/2010	0642	0	796.012	1095.7	57	1,024.327	1091.5	293	1,247.815	1075.9	0	864.831	1116.2
5/15/2010	0:00												
5/16/2010	0:00												
5/17/2010	0535	0	796.012	1095.7	58	1,024.572	1091.4	294	1,249.048	1075.8	0	864.831	1116.2
5/18/2010	0532	0	796.012	1095.7	58	1,024.656	1091.4	293	1,249.479	1075.8	0	864.831	1116.2
5/19/2010	0525	0	796.012	1095.7	58	1,024.739	1091.4	291	1,249.898	1075.8	0	864.831	1116.2
5/20/2010	0526	0	796.012	1095.7	58	1,024.823	1091.4	292	1,250.320	1075.8	0	864.831	1116.2
5/21/2010	0518	0	796.012	1095.7	58	1,024.906	1091.4	294	1,250.739	1075.8	0	864.831	1116.2
5/22/2010	0635	0	796.012	1095.7	58	1,024.994	1091.4	292	1,251.185	1075.8	0	864.831	1116.2
5/23/2010	0:00												
5/24/2010	0529	0	796.012	1095.7	58	1,025.157	1091.4	294	1,252.006	1075.8	0	864.831	1116.2
5/25/2010	0526	0	796.012	1095.7	58	1,025.241	1091.4	293	1,252.426	1075.9	0	864.831	1116.2
5/26/2010	0514	0	796.012	1095.7	57	1,025.323	1091.5	292	1,252.843	1075.8	0	864.831	1116.2
5/27/2010	0530	0	796.012	1095.7	58	1,025.397	1091.4	297	1,253.220	1075.7	0	864.831	1116.2
5/28/2010	0519	0	796.012	1095.7	59	1,025.480	1091.4	295	1,253.643	1075.8	0	864.831	1116.2
5/29/2010	0:00												
5/30/2010	0:00												
5/31/2010	0:00												
		TOTAL	-		TOTAL	2.563		TOTAL	13.023		TOTAL	-	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			0			550			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
5/1/2010	0:00		705.343			1,494.170			538.023			89.010	
5/2/2010	0:00												
5/3/2010	0528	147	705.769	1077.8	0	1,494.170	1097.2	546	539.610	194.0	194	89.573	1073.7
5/4/2010	0527	148	705.980	1077.8	0	1,494.170	1097.3	550	540.379	1064.9	195	89.851	1073.7
5/5/2010	0533	147	705.769	1077.8	0	1,494.170	1097.3	545	541.171	1096.4	194	90.132	1073.8
5/6/2010	0630	147	706.413	1077.9	0	1,494.170	1097.3	544	541.989	1096.4	193	90.423	1073.7
5/7/2010	0625	146	706.625	1077.8	0	1,494.170	1097.3	545	542.746	1096.4	194	90.702	1073.7
5/8/2010	0:00												
5/9/2010	0:00												
5/10/2010	0635	149	707.264	1077.8	0	1,494.170	1097.3	544	545.074	1096.5	195	91.543	1073.7
5/11/2010	0705	147	707.482	1077.8	0	1,494.170	1097.3	543	545.876	1096.4	193	91.83	1073.7
5/12/2010	0645	147	707.693	1077.8	0	1,494.170	1097.3	544	546.657	1096.4	195	92.109	1073.7
5/13/2010	0710	147	707.907	1077.8	0	1,494.170	1097.3	546	547.444	1096.4	194	92.391	1073.7
5/14/2010	0642	148	708.115	1077.8	0	1,494.170	1097.3	543	548.210	1096.4	194	92.665	1073.8
5/15/2010	0:00												
5/16/2010	0:00												
5/17/2010	0535	148	708.743	1077.8	0	1,494.170	1097.4	541	550.517	1096.4	195	93.492	1073.8
5/18/2010	0532	148	708.955	1077.8	0	1,494.170	1097.4	531	550.894	1097.6	194	93.772	1073.7
5/19/2010	0525	148	709.167	1077.8	0	1,494.170	1097.5	552	551.685	1096.4	195	94.050	1073.7
5/20/2010	0526	149	709.381	1077.8	0	1,494.170	1097.5	549	552.478	1096.4	195	94.331	1073.7
5/21/2010	0518	148	709.593	1077.8	0	1,494.170	1097.5	548	553.264	1096.4	195	94.61	1073.8
5/22/2010	0635	149	709.818	1077.8	0	1,494.170	1097.5	549	554.099	1096.4	195	94.908	1073.7
5/23/2010	0:00												
5/24/2010	0529	149	710.234	1077.8	0	1,494.170	1097.5	545	555.627	1096.4	195	95.455	1073.7
5/25/2010	0526	148	710.447	1077.8	0	1,494.170	1097.5	544	556.411	1096.4	194	95.736	1073.8
5/26/2010	0514	149	710.657	1077.8	0	1,494.170	1097.5	545	557.174	1096.4	195	96.014	1073.7
5/27/2010	0530	148	710.845	1077.8	0	1,494.170	1097.5	551	557.867	1096.4	196	96.264	1073.7
5/28/2010	0519	149	711.058	1077.9	0	1,494.170	1097.6	547	558.650	1096.5	196	96.544	1073.7
5/29/2010	0:00												
5/30/2010	0:00												
5/31/2010	0:00												
		TOTAL	6.573		TOTAL	-		TOTAL	23.777		TOTAL	8.665	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			**EW-16**		
DATE	**TIME**	**375**			**100**		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
5/1/2010	0:00		5.184			45.753	
5/2/2010	0:00						
5/3/2010	0528	0	5.241	1124.9	87	46.012	1078.5
5/4/2010	0527	0	5.241	1125.1	89	46.138	1078.5
5/5/2010	0533	0	5.241	1124.9	87	46.265	1078.5
5/6/2010	0630	0	5.241	1124.9	87	46.395	1078.5
5/7/2010	0625	356	5.607	1116.3	87	46.522	1078.5
5/8/2010	0:00						
5/9/2010	0:00						
5/10/2010	0635	503	7.338	1111.8	91	46.900	1078.5
5/11/2010	0705	505	8.075	1111.5	87	47.033	1078.5
5/12/2010	0645	499	8.796	1111.5	89	47.159	1078.5
5/13/2010	0710	502	9.527	1111.3	87	47.287	1078.5
5/14/2010	0642	498	10.233	1111.3	87	47.411	1078.5
5/15/2010	0:00						
5/16/2010	0:00						
5/17/2010	0535	374	11.884	1114.5	87	47.782	1078.6
5/18/2010	0532	374	12.421	1114.5	89	47.909	1078.5
5/19/2010	0525	374	12.957	1114.5	89	48.036	1078.5
5/20/2010	0526	372	13.495	1114.5	88	48.163	1078.5
5/21/2010	0518	371	14.027	1114.5	87	48.290	1078.5
5/22/2010	0635	370	14.594	1114.7	88	48.424	1078.5
5/23/2010	0:00						
5/24/2010	0529	369	15.634	1114.5	87	48.669	1078.6
5/25/2010	0526	368	15.165	1114.5	85	48.793	1078.5
5/26/2010	0514	381	16.685	1114.5	86	48.915	1078.5
5/27/2010	0530	381	17.159	1114.5	87	49.027	1078.5
5/28/2010	0519	379	17.702	1114.5	88	49.153	1078.5
5/29/2010	0:00						
5/30/2010	0:00						
5/31/2010	0:00						
		TOTAL	14.694		TOTAL	3.905	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
6/1/2010	0532	143	736.529	1070.9	0	555.452	1080.2	303	981.573	1077.1	77	411.100	1064.8
6/2/2010	0531	0	736.634	1077.2	0	555.452	1080.2	310	981.964	1077.2	78	411.199	1064.8
6/3/2010	0525	143	736.916	1071.3	0	555.452	1080.2	305	982.405	1077.1	77	411.310	1064.8
6/4/2010	0630	142	737.132	1071.3	0	555.452	1080.2	308	982.869	1077.1	77	411.428	1064.9
6/5/2010													
6/6/2010													
6/7/2010	0527	143	737.738	1071.5	0	555.452	1080.2	301	984.159	1077.1	76	411.756	1064.8
6/8/2010	0527	143	737.944	1071.5	0	555.452	1080.2	303	984.594	1077.1	77	411.867	1064.8
6/9/2010	0539	143	738.151	1071.8	0	555.452	1080.2	303	985.033	1077.2	77	411.978	1064.8
6/10/2010	0546	143	738.357	1071.5	0	555.452	1080.2	306	985.472	1077.1	77	412.089	1064.8
6/11/2010	0622	142	738.568	1072.1	0	555.452	1080.2	307	985.923	1077.2	77	412.202	1064.8
6/12/2010													
6/13/2010													
6/14/2010	0552	142	739.177	1072.2	0	555.452	1080.2	303	987.225	1077.2	77	412.532	1064.8
6/15/2010	0543	142	739.380	1072.5	0	555.452	1080.2	304	987.658	1077.1	77	412.641	1064.8
6/16/2010	0517	141	739.580	1072.1	0	555.452	1080.2	302	988.087	1077.2	77	412.750	1064.8
6/17/2010	0526	142	739.785	1071.9	0	555.452	1080.2	301	988.523	1077.2	76	412.861	1064.8
6/18/2010	0540	142	739.990	1071.8	0	555.452	1080.2	303	988.963	1077.1	77	412.972	1064.9
6/19/2010													
6/20/2010													
6/21/2010													
6/22/2010	0534	147	740.800	1073.6	0	555.452	1080.2	305	990.709	1077.1	77	413.411	1064.8
6/23/2010													
6/24/2010	0524	142	741.204	1073.1	0	555.452	1080.2	307	991.584	1077.1	77	413.631	1064.8
6/25/2010	0625	141	741.416	1072.5	0	555.452	1080.2	307	992.045	1077.1	77	413.746	1064.8
6/26/2010													
6/27/2010													
6/28/2010	0517	141	742.009	1071.9	0	555.452	1080.2	307	993.345	1077.1	76	414.072	1064.8
6/29/2010	0857	139	742.226	1071.8	0	555.452	1080.2	308	993.824	1077.1	77	414.192	1064.9
6/30/2010	0533	140	742.393	1071.8	0	555.452	1080.2	307	994.194	1077.1	77	414.285	1064.8
		TOTAL	6.064		TOTAL	-		TOTAL	13.065		TOTAL	3.296	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
6/1/2010	0532	0	796.012	1095.7	59	1,025.818	1091.4	295	1,255.340	1075.9	0	864.831	1116.2
6/2/2010	0531	0	796.012	1095.7	59	1,025.893	1091.4	299	1,255.721	1075.8	0	864.831	1116.2
6/3/2010	0525	0	796.012	1095.7	59	1,025.977	1091.4	293	1,256.146	1075.9	0	864.831	1116.2
6/4/2010	0630	0	796.012	1095.7	59	1,026.066	1091.4	294	1,256.594	1075.8	0	864.831	1116.2
6/5/2010	0:00												
6/6/2010	0:00												
6/7/2010	0527	0	796.012	1095.7	59	1,026.314	1091.4	294	1,257.843	1075.8	0	864.831	1116.2
6/8/2010	0527	0	796.012	1095.7	58	1,026.398	1091.4	295	1,258.267	1075.8	0	864.831	1116.2
6/9/2010	0539	0	796.012	1095.7	57	1,026.482	1091.4	292	1,258.692	1075.9	0	864.831	1116.2
6/10/2010	0546	0	796.012	1095.7	43	1,026.564	1091.8	264	1,259.118	1076.9	0	864.831	1116.2
6/11/2010	0622	0	796.012	1095.7	59	1,026.653	1091.4	293	1,259.556	1075.9	0	864.831	1116.2
6/12/2010	0:00												
6/13/2010	0:00												
6/14/2010	0552	0	796.012	1095.7	59	1,026.902	1091.4	294	1,260.817	1075.9	0	864.831	1116.2
6/15/2010	0543	0	796.012	1095.7	58	1,026.986	1091.4	295	1,261.238	1075.8	0	864.831	1116.2
6/16/2010	0517	0	796.012	1095.7	57	1,027.069	1091.4	296	1,261.655	1075.8	0	864.831	1116.2
6/17/2010	0526	0	796.012	1095.7	58	1,027.153	1091.4	294	1,262.082	1075.9	0	864.831	1116.2
6/18/2010	0540	0	796.012	1095.7	58	1,027.237	1091.5	294	1,262.511	1075.8	0	864.831	1116.2
6/19/2010	0:00												
6/20/2010	0:00												
6/21/2010	0:00												
6/22/2010	0534	0	796.012	1095.7	42	1,027.519	1091.4	305	1,264.034	1075.8	0	864.831	1116.2
6/23/2010	0:00												
6/24/2010	0524	0	796.012	1095.7	0	1,027.576	1091.4	0	1,264.450	1090.0	0	864.831	1116.2
6/25/2010	0625	0	796.012	1095.7	0	1,027.576	1091.4	0	1,264.450	1090.0	0	864.831	1116.2
6/26/2010	0:00												
6/27/2010	0:00												
6/28/2010	0517	0	796.012	1095.7	44	1,027.736	1091.4	308	1,265.338	1075.8	0	864.831	1116.2
6/29/2010	0857	0	796.012	1095.7	40	1,027.798	1091.4	305	1,265.816	1075.8	0	864.831	1116.2
6/30/2010	0533	0	796.012	1095.7	40	1,027.846	1091.4	305	1,266.181	1075.8	0	864.831	1116.2
		TOTAL	-		TOTAL	2.087		TOTAL	11.277		TOTAL	-	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			0			550			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
6/1/2010	0532	150	711.916	1077.8	0	1,494.170	1097.7	544	561.800	1096.4	195	97.675	1073.7
6/2/2010	0531	150	712.106	1077.8	0	1,494.170	1097.7	444	562.348	1100.4	198	97.927	1073.7
6/3/2010	0525	149	712.320	1077.8	0	1,494.170	1097.6	553	563.139	1096.4	196	98.208	1073.7
6/4/2010	0630	149	712.546	1077.8	0	1,494.170	1097.7	550	563.911	1096.4	196	98.506	1073.7
6/5/2010	0:00												
6/6/2010	0:00												
6/7/2010	0527	149	713.177	1077.8	0	1,494.170	1097.7	555	565.611	1096.6	196	99.338	1073.7
6/8/2010	0527	149	713.392	1077.9	0	1,494.170	1097.7	0	565.645	1110.7	195	99.620	1073.8
6/9/2010	0539	149	713.608	1077.8	0	1,494.170	1097.6	0	565.645	1111.0	195	99.903	1073.7
6/10/2010	0546	139	713.824	1078.7	0	1,494.170	1097.7	0	565.645	1111.2	194	100.187	1073.8
6/11/2010	0622	150	714.045	1077.9	0	1,494.170	1097.7	0	565.645	1111.3	196	100.479	1073.7
6/12/2010	0:00												
6/13/2010	0:00												
6/14/2010	0552	149	714.683	1077.8	0	1,494.170	1097.7	0	565.645	1111.7	196	101.317	1073.7
6/15/2010	0543	149	714.896	1077.8	0	1,494.170	1097.8	0	565.645	1111.8	196	101.598	1073.8
6/16/2010	0517	149	715.108	1077.8	0	1,494.170	1097.7	0	565.645	1111.8	196	101.875	1073.7
6/17/2010	0526	150	715.324	1077.8	0	1,494.170	1097.8	0	565.645	1111.9	196	102.159	1073.7
6/18/2010	0540	141	715.531	1078.9	0	1,494.170	1097.8	0	565.645	1112.0	196	102.445	1073.7
6/19/2010	0:00												
6/20/2010	0:00												
6/21/2010	0:00												
6/22/2010	0534	143	716.258	1077.8	0	1,494.170	1097.8	0	565.651	1112.3	197	103.575	1073.7
6/23/2010	0:00												
6/24/2010	0524	0	716.454	1095.5	0	1,494.170	1097.8	0	565.651	1112.3	196	104.138	1073.7
6/25/2010	0625	0	716.454	1095.5	0	1,494.170	1097.8	0	565.651	1112.3	197	104.435	1073.7
6/26/2010	0:00												
6/27/2010	0:00												
6/28/2010	0517	144	716.976	1078.9	0	1,494.170	1097.9	0	565.651	1098.2	196	105.272	1073.7
6/29/2010	0857	144	717.201	1077.8	0	1,494.170	1097.9	555	567.796	1098.2	198	105.581	1073.7
6/30/2010	0533	144	717.374	1077.8	0	1,494.170	1098.0	555	568.463	1097.8	197	105.818	1073.7
		TOTAL	5.665		TOTAL	-		TOTAL	7.466		**TOTAL**	8.429	

COMMENTS :

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			**EW-16**		
DATE	**TIME**	**375**			**100**		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
6/1/2010	0532	375	19.878	1114.5	87	49.658	1078.5
6/2/2010	0531	381	20.346	1114.5	92	49.771	1078.5
6/3/2010	0525	376	20.836	1114.5	88	49.898	1078.5
6/4/2010	0630	373	21.406	1114.5	88	50.033	1078.5
6/5/2010	0:00						
6/6/2010	0:00						
6/7/2010	0527	369	22.982	1114.5	88	50.404	1078.5
6/8/2010	0527	370	23.514	1114.5	88	50.531	1078.6
6/9/2010	0539	369	24.049	1114.5	88	50.259	1078.5
6/10/2010	0546	394	24.215	1114.7	90	50.789	1078.5
6/11/2010	0622	380	24.739	1114.5	89	50.917	1078.5
6/12/2010	0:00						
6/13/2010	0:00						
6/14/2010	0552	369	26.333	1114.5	88	51.295	1078.5
6/15/2010	0543	368	26.861	1114.5	88	51.420	1078.5
6/16/2010	0517	367	27.382	1114.5	87	51.545	1078.5
6/17/2010	0526	366	27.915	1114.7	91	51.672	1078.5
6/18/2010	0540	387	28.253	1114.5	99	51.813	1078.3
6/19/2010	0:00						
6/20/2010	0:00						
6/21/2010	0:00						
6/22/2010	0534	375	29.887	1114.5	98	52.375	1078.3
6/23/2010	0:00						
6/24/2010	0524	375	30.871	1114.5	98	52.657	1078.6
6/25/2010	0625	373	31.434	1114.5	99	52.805	1078.3
6/26/2010	0:00						
6/27/2010	0:00						
6/28/2010	0517	370	33.010	114.5	98	53.225	1078.3
6/29/2010	0857	369	33.586	1114.5	98	53.381	1078.2
6/30/2010	0533	368	34.030	1114.5	99	53.501	1078.3
		TOTAL	14.684		TOTAL	3.983	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
7/1/2010	0537	139	742.593	1071.7	0	555.452	1080.2	310	994.638	1077.2	77	414.396	1064.8
7/2/2010	0525	138	742.791	1071.6	0	555.452	1080.2	308	995.078	1077.1	77	414.506	1064.8
7/3/2010													
7/4/2010													
7/5/2010													
7/6/2010	0556	138	743.591	1072.6	0	555.452	1080.2	310	996.858	1077.2	77	414.951	1064.9
7/7/2010	0534	138	743.787	1072.4	0	555.452	1080.2	310	997.298	1077.1	77	415.060	1064.8
7/8/2010	0529	137	743.985	1072.2	0	555.452	1080.2	310	997.741	1077.1	77	415.170	1064.8
7/9/2010	0521	138	744.182	1072.2	0	555.452	1080.2	311	998.185	1077.1	77	415.280	1064.7
7/10/2010													
7/11/2010													
7/12/2010	0525	136	744.769	1072.2	0	555.452	1080.2	311	999.523	1077.2	77	415.611	1064.8
7/13/2010	0526	135	744.953	1072.2	0	555.452	1080.2	311	999.942	1077.3	77	415.716	1064.8
7/14/2010	0538	137	745.150	1072.0	0	555.452	1080.2	311	1,000.391	1077.2	77	415.828	1064.8
7/15/2010													
7/16/2010	0523	137	745.371	1073.7	0	555.452	1080.2	310	1,000.892	1077.5	79	415.987	1064.8
7/17/2010													
7/18/2010													
7/19/2010	0555	137	745.965	1072.3	0	555.452	1080.2	310	1,002.239	1077.4	78	416.326	1064.8
7/20/2010	0541	135	746.159	1072.2	0	555.452	1080.2	310	1,002.680	1077.4	77	416.437	1064.9
7/21/2010	0530	136	746.353	1072.5	0	555.452	1080.2	309	1,003.123	1077.4	78	416.548	1064.8
7/22/2010	0610	135	746.505	1072.4	0	555.452	1080.2	310	1,003.469	1077.5	78	416.635	1064.8
7/23/2010	0522	135	746.687	1072.2	0	555.452	1080.2	309	1,003.885	1077.5	78	416.741	1064.8
7/24/2010													
7/25/2010													
7/26/2010	0530	134	747.272	1071.9	0	555.452	1080.2	309	1,005.226	1077.5	78	417.080	1064.8
7/27/2010	0543	136	747.466	1071.9	0	555.452	1080.2	309	1,005.672	1077.5	78	417.193	1064.7
7/28/2010	0539	135	747.659	1071.8	0	555.452	1080.2	310	1,006.116	1077.4	78	417.304	1064.8
7/29/2010	0535	135	747.852	1071.7	0	555.452	1080.2	310	1,006.560	1077.5	78	417.416	1064.8
7/30/2010	0620	135	748.053	1071.7	0	555.452	1080.2	310	1,007.023	1077.5	76	417.531	1065.4
7/31/2010													
		TOTAL	5.847		TOTAL	-		TOTAL	13.277		TOTAL	3.356	

COMMENTS :

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
7/1/2010	0537	0	796.012	1095.7	40	1027.905	1091.4	300	1266.617	1075.8	0	864.831	1116.2
7/2/2010	0525	0	796.012	1095.7	40	1027.963	1091.4	301	1,267.046	1075.8	0	864.831	1116.2
7/3/2010	0:00												
7/4/2010	0:00												
7/5/2010	0:00												
7/6/2010	0556	0	796.012	1095.7	55	1,028.277	1091.4	296	1,268.778	1075.9	0	864.831	1116.2
7/7/2010	0534	0	796.012	1095.7	55	1,028.356	1091.4	299	1,269.201	1075.7	0	864.831	1116.2
7/8/2010	0529	0	796.012	1095.7	55	1,028.436	1091.4	298	1,269.628	1075.8	0	864.831	1116.2
7/9/2010	0521	0	796.012	1095.7	56	1,028.515	1091.4	299	1,270.056	1075.8	0	864.831	1116.2
7/10/2010	0:00												
7/11/2010	0:00												
7/12/2010	0525	0	796.012	1095.7	55	1,028.758	1091.4	300	1,271.347	1075.8	0	864.831	1116.2
7/13/2010	0526	0	796.012	1095.7	56	1,028.833	1091.4	303	1,271.754	1075.8	0	864.831	1116.2
7/14/2010	0538	0	796.012	1095.7	56	1,028.913	1091.4	301	1,272.190	1075.8	0	864.831	1116.2
7/15/2010	0:00												
7/16/2010	0523	0	796.012	1095.7	63	1,029.041	1091.4	307	1,272.822	1075.8	0	864.831	1116.2
7/17/2010	0:00												
7/18/2010	0:00												
7/19/2010	0555	0	796.012	1095.7	54	1,029.280	1091.4	303	1,274.146	1075.8	0	864.831	1116.2
7/20/2010	0541	0	796.012	1095.7	55	1,029.358	1091.4	303	1,274.576	1075.8	0	864.831	1116.2
7/21/2010	0530	0	796.012	1095.7	54	1,029.436	1091.4	302	1,275.007	1075.8	0	864.831	1116.2
7/22/2010	0610	0	796.012	1095.7	54	1,029.497	1091.4	309	1,275.351	1075.8	0	864.831	1116.2
7/23/2010	0522	0	796.012	1095.7	54	1,029.571	1091.4	306	1,275.766	1075.8	0	864.831	1116.2
7/24/2010	0:00												
7/25/2010	0:00												
7/26/2010	0530	0	796.012	1095.7	55	1,029.808	1091.4	302	1,277.083	1075.9	0	864.831	1116.2
7/27/2010	0543	0	796.012	1095.7	55	1,029.887	1091.4	304	1,277.521	1075.8	0	864.831	1116.2
7/28/2010	0539	0	796.012	1095.7	55	1,029.964	1091.4	302	1,277.956	1075.9	0	864.831	1116.2
7/29/2010	0535	0	796.012	1095.7	55	1,030.043	1091.4	304	1,278.390	1075.7	0	864.831	1116.2
7/30/2010	0620	0	796.012	1095.7	55	1,030.125	1091.4	304	1,278.846	1075.8	0	864.831	1116.2
7/31/2010	0:00												
		TOTAL	-		TOTAL	2.377		TOTAL	13.105		TOTAL	-	

COMMENTS :_____

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			0			550			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
7/1/2010	0537	144	717.581	1078.8	0	1,494.170	1098.0	557	569.266	1097.6	198	106.104	1073.7
7/2/2010	0525	144	717.787	1078.8	0	1,494.170	1098.0	555	570.061	1097.4	199	106.387	1073.7
7/3/2010	0:00												
7/4/2010	0:00												
7/5/2010	0:00												
7/6/2010	0556	144	718.620	1078.9	0	1,494.170	1098.1	562	572.582	1097.8	198	107.536	1073.7
7/7/2010	0534	144	718.824	1078.8	0	1,494.170	1098.1	557	573.372	1097.3	198	107.817	1073.8
7/8/2010	0529	144	719.031	1078.8	0	1,494.170	1098.2	0	573.442	1111.6	198	108.102	1073.7
7/9/2010	0521	145	719.237	1078.8	0	1,494.170	1098.2	0	573.926	1111.2	198	108.386	1073.7
7/10/2010	0:00												
7/11/2010	0:00												
7/12/2010	0525	145	719.817	1078.8	0	1,494.170	1098.2	550	576.234	1097.5	200	109.249	1073.7
7/13/2010	0526	145	720.014	1078.8	0	1,494.170	1098.2	550	576.973	1097.5	200	109.521	1073.7
7/14/2010	0538	144	720.223	1078.8	0	1,494.170	1098.2	554	577.631	1097.4	200	109.811	1073.7
7/15/2010	0:00												
7/16/2010	0523	146	720.522	1078.8	0	1,494.170	1098.3	0	577.997	1111.7	204	110.140	1073.7
7/17/2010	0:00												
7/18/2010	0:00												
7/19/2010	0555	146	721.155	1078.8	0	1,494.170	1098.4	0	578.643	1111.7	202	111.022	1073.7
7/20/2010	0541	146	721.363	1078.8	0	1,494.170	1098.4	0	578.718	1112.1	202	111.311	1073.7
7/21/2010	0530	146	721.527	1078.8	0	1,494.170	1098.4	555	579.430	1098.2	202	111.600	1073.7
7/22/2010	0610	147	721.736	1078.8	0	1,494.170	1098.5	556	580.040	1098.0	205	111.829	1073.7
7/23/2010	0522	147	721.934	1078.8	0	1,494.170	1098.6	557	580.785	1097.8	204	112.105	1073.7
7/24/2010	0:00												
7/25/2010	0:00												
7/26/2010	0530	147	722.570	1078.8	0	1,494.170	1098.6	0	582.728	1111.6	203	112.988	1073.7
7/27/2010	0543	147	722.783	1078.9	0	1,494.170	1098.6	444	583.235	1100.7	204	113.283	1073.7
7/28/2010	0539	147	722.993	1078.8	0	1,494.170	1098.6	0	583.554	1111.7	203	113.575	1073.7
7/29/2010	0535	147	723.204	1078.8	0	1,494.170	1098.6	0	583.554	1112.1	204	113.868	1073.7
7/30/2010	0620	147	723.425	1078.9	0	1,494.170	1098.6	0	583.554	1112.3	205	114.174	1073.7
7/31/2010	0:00												
		TOTAL	6.269		TOTAL	-		TOTAL	15.498		**TOTAL**	8.662	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			EW-16		
DATE	TIME	375			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
7/1/2010	0537	368	34.562	1114.5	99	53.641	1078.3
7/2/2010	0525	367	35.086	1114.5	100	53.783	1078.3
7/3/2010	0:00						
7/4/2010	0:00						
7/5/2010	0:00						
7/6/2010	0556	368	37.218	1114.5	101	54.370	1078.3
7/7/2010	0534	367	37.739	1114.5	101	54.515	1078.3
7/8/2010	0529	367	38.266	1114.2	101	54.660	1078.3
7/9/2010	0521	367	38.791	1114.5	102	54.802	1078.3
7/10/2010	0:00						
7/11/2010	0:00						
7/12/2010	0525	372	40.278	1114.5	103	55.253	1078.3
7/13/2010	0526	373	40.781	1114.5	105	55.394	1078.3
7/14/2010	0538	371	41.318	1114.5	104	55.545	1078.3
7/15/2010	0:00						
7/16/2010	0523	0	41.447	1123.8	110	55.767	1078.3
7/17/2010	0:00						
7/18/2010	0:00						
7/19/2010	0555	379	43.018	1114.7	107	56.239	1078.3
7/20/2010	0541	379	43.560	1114.5	108	56.394	1078.4
7/21/2010	0530	377	44.100	1114.5	110	56.549	1078.3
7/22/2010	0610	383	44.528	1114.5	111	56.675	1078.3
7/23/2010	0522	380	45.036	1114.5	112	56.827	1078.3
7/24/2010	0:00						
7/25/2010	0:00						
7/26/2010	0530	377	46.674	1114.5	114	57.315	1078.3
7/27/2010	0543	377	47.219	1114.5	113	57.480	1078.4
7/28/2010	0539	376	47.760	1114.5	113	57.643	1078.3
7/29/2010	0535	376	48.300	1114.5	113	57.806	1078.3
7/30/2010	0620	378	48.856	1114.5	116	57.978	1078.3
7/31/2010	0:00						
		TOTAL	15.383		TOTAL	4.670	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
8/1/2010	0635	134	748.440	1071.7	0	555.452	1080.2	309	1,007.915	1077.4	77	417.752	1064.8
8/2/2010	0546	133	748.624	1071.6	0	555.452	1080.2	310	1,008.342	1077.4	78	417.859	1064.8
8/3/2010	0539	134	748.816	1071.6	0	555.452	1080.2	310	1,008.785	1077.4	78	417.971	1064.8
8/4/2010	0523	132	749.005	1071.6	0	555.452	1080.2	309	1,009.224	1077.4	76	418.076	1065.3
8/5/2010	0521	133	749.197	1071.4	0	555.452	1080.2	310	1,009.668	1077.4	99	418.191	1064.8
8/6/2010	0622	0	749.315	1050.5	0	555.452	1080.2	309	1,010.133	1077.3	78	418.306	1064.7
8/7/2010													
8/8/2010													
8/9/2010	0541	0	749.356		0	555.452	1080.2	310	1,011.452	1077.3	77	418.640	1064.8
8/10/2010	0557	0	749.356		0	555.452	1080.2	309	1,011.901	1077.4	78	418.753	1064.8
8/11/2010	0558	0	749.356		0	555.452	1080.2	308	1,012.346	1077.3	77	418.865	1064.9
8/12/2010	0537	0	749.356		0	555.452	1080.2	309	1,012.784	1077.3	77	418.975	1064.8
8/13/2010	0515	0	749.356		0	555.452	1080.2	309	1,013.221	1077.4	78	419.084	1064.8
8/14/2010													
8/15/2010													
8/16/2010	0537	0	749.356		0	555.452	1080.2	309	1,014.560	1077.3	77	419.420	1064.8
8/17/2010	0536	174	749.535	1068.7	0	555.452	1080.2	308	1,015.003	1077.3	77	419.531	1064.8
8/18/2010	0545	181	749.794	1068.7	0	555.452	1080.2	310	1,015.451	1077.4	77	419.643	1064.8
8/19/2010	0535	179	750.051	1068.7	0	555.452	1080.2	309	1,015.892	1077.3	77	419.754	1064.8
8/20/2010	0521	181	750.307	1068.7	0	555.452	1080.2	308	1,016.332	1077.4	77	419.864	1064.8
8/21/2010													
8/22/2010													
8/23/2010	0541	176	751.078	1068.7	0	555.452	1080.2	309	1,017.671	1077.4	77	420.199	1064.8
8/24/2010	0531	181	751.263	1068.8	0	555.452	1080.2	309	1,017.988	1077.5	78	420.279	1064.8
8/25/2010	0532	182	751.525	1068.7	0	555.452	1080.2	308	1,018.433	1077.5	78	420.391	1064.8
8/26/2010	0534	184	751.726	1068.7	0	555.452	1080.2	308	1,018.766	1077.7	78	420.476	1064.8
8/27/2010	0522	184	751.988	1068.8	0	555.452	1080.2	309	1,019.207	1077.6	78	420.588	1064.8
8/28/2010													
8/29/2010													
8/30/2010	0517	178	752.769	1068.7	0	555.452	1080.2	309	1,020.538	1077.5	78	420.924	1064.8
8/31/2010	0517	179	753.028	1068.7	0	555.452	1080.2	309	1,020.982	1077.5	78	421.036	1064.8
		TOTAL	4.849		TOTAL	-		TOTAL	13.515		TOTAL	3.397	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
8/1/2010	0635	0	796.012	1095.7	55	1,030.282	1091.4	301	1,279.722	1075.9	0	864.831	1116.2
8/2/2010	0546	0	796.012	1095.7	55	1,030.357	1091.4	303	1,280.141	1075.8	0	864.831	1116.2
8/3/2010	0539	0	796.012	1095.7	55	1,030.436	1091.4	304	1,280.576	1075.7	0	864.831	1116.2
8/4/2010	0523	0	796.012	1095.7	55	1,030.514	1091.4	302	1,281.008	1075.9	0	864.831	1116.2
8/5/2010	0521	0	796.012	1095.7	55	1,030.592	1091.4	304	1,281.444	1075.8	0	864.831	1116.2
8/6/2010	0622	0	796.012	1095.7	54	1,030.675	1091.4	303	1,281.902	1075.8	0	864.831	1116.2
8/7/2010	0:00												
8/8/2010	0:00												
8/9/2010	0541	0	796.012	1095.7	55	1,030.908	1091.4	304	1,283.200	1075.8	0	864.831	1116.2
8/10/2010	0557	0	796.012	1095.7	55	1,030.987	1091.4	305	1,283.643	1075.8	0	864.831	1116.2
8/11/2010	0558	0	796.012	1095.7	54	1,031.065	1091.4	304	1,284.081	1075.8	0	864.831	1116.2
8/12/2010	0537	0	796.012	1095.7	54	1,031.142	1091.4	304	1,284.573	1075.8	0	864.831	1116.2
8/13/2010	0515	0	796.012	1095.7	55	1,031.219	1091.4	305	1,284.945	1075.9	0	864.831	1116.2
8/14/2010	0:00												
8/15/2010	0:00												
8/16/2010	0537	0	796.012	1095.7	54	1,031.456	1091.4	306	1,286.267	1075.8	0	864.831	1116.2
8/17/2010	0536	0	796.012	1095.7	55	1,031.219	1091.4	304	1,286.708	1075.9	0	864.831	1116.2
8/18/2010	0545	0	796.012	1095.7	63	1,031.623	1091.4	306	1,287.148	1075.8	0	864.831	1116.2
8/19/2010	0535	0	796.012	1095.7	63	1,031.713	1091.4	306	1,287.584	1075.8	0	864.831	1116.2
8/20/2010	0521	0	796.012	1095.7	54	1,031.791	1091.4	306	1,288.020	1075.8	0	864.831	1116.2
8/21/2010	0:00												
8/22/2010	0:00												
8/23/2010	0541	0	796.012	1095.7	54	1,032.026	1091.4	305	1,289.345	1075.9	0	864.831	1116.2
8/24/2010	0531	0	796.012	1095.7	54	1,032.082	1091.4	312	1,289.666	1075.8	0	864.831	1116.2
8/25/2010	0532	0	796.012	1095.7	54	1,032.158	1091.4	307	1,290.112	1075.9	0	864.831	1116.2
8/26/2010	0534	0	796.012	1095.7	54	1,032.216	1091.4	313	1,290.452	1075.8	0	864.831	1116.2
8/27/2010	0522	0	796.012	1095.7	51	1,032.288	1091.4	311	1,290.897	1075.8	0	864.831	1116.2
8/28/2010	0:00												
8/29/2010	0:00												
8/30/2010	0517	0	796.012	1095.7	51	1,032.560	1091.4	306	1,292.229	1075.9	0	864.831	1116.2
8/31/2010	0517	0	796.012	1095.7	51	1,032.579	1091.4	308	1,292.673	1075.8	0	864.831	1116.2
		TOTAL	-		TOTAL	2.371		TOTAL	13.400		TOTAL	-	

COMMENTS :_____

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			0			550			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
8/1/2010	0635	147	723.850	1078.8	0	1,494.170	1098.7	554	584.764	1098.2	204	114.766	1073.7
8/2/2010	0546	147	724.053	1078.8	0	1,494.170	1098.7	552	585.400	1098.0	205	115.049	1073.7
8/3/2010	0539	148	724.264	1078.8	0	1,494.170	1098.7	454	586.047	1100.8	205	115.344	1073.8
8/4/2010	0523	148	724.473	1078.8	0	1,494.170	1098.7	447	586.626	1100.8	205	115.637	1073.8
8/5/2010	0521	148	724.686	1078.8	0	1,494.170	1098.8	471	587.220	1100.8	205	115.932	1073.7
8/6/2010	0622	148	724.909	1078.8	0	1,494.170	1098.8	557	588.039	1097.7	206	116.243	1073.7
8/7/2010	0:00												
8/8/2010	0:00												
8/9/2010	0541	149	725.541	1078.8	0	1,494.170	1098.8	0	590.216	1111.4	206	117.124	1073.7
8/10/2010	0557	149	725.757	1078.8	0	1,494.170	1098.8	588	590.605	1097.5	206	117.424	1073.7
8/11/2010	0558	148	725.970	1078.8	0	1,494.170	1098.8	557	591.260	1098.0	206	117.722	1073.7
8/12/2010	0537	148	726.180	1078.8	0	1,494.170	1098.8	0	591.443	1111.8	206	118.016	1073.8
8/13/2010	0515	148	726.391	1078.9	0	1,494.170	1098.9	0	591.444	1112.1	208	118.309	1073.7
8/14/2010	0:00												
8/15/2010	0:00												
8/16/2010	0537	148	727.034	1078.8	0	1,494.170	1098.8	0	591.444	1112.5	207	119.207	1073.7
8/17/2010	0536	148	727.247	1078.8	0	1,494.170	1098.8	0	591.444	1112.6	206	119.505	1073.7
8/18/2010	0545	149	727.462	1078.8	0	1,494.170	1098.8	554	592.058	1098.5	209	119.805	1073.7
8/19/2010	0535	148	727.675	1078.8	0	1,494.170	1098.9	559	592.856	1098.1	208	120.103	1073.7
8/20/2010	0521	149	727.887	1078.8	0	1,494.170	1098.9	558	593.654	1098.0	208	120.400	1073.7
8/21/2010	0:00												
8/22/2010	0:00												
8/23/2010	0541	150	728.532	1078.8	0	1,494.170	1099.0	560	596.085	1097.5	208	121.303	1073.7
8/24/2010	0531	149	728.686	1078.8	0	1,494.170	1098.9	561	596.649	1079.6	209	121.520	1073.7
8/25/2010	0532	149	728.901	1078.9	0	1,494.170	1099.0	558	597.453	1097.4	208	121.821	1073.7
8/26/2010	0534	151	729.064	1078.8	0	1,494.170	1099.0	561	598.049	1079.6	210	122.049	1073.7
8/27/2010	0522	151	729.278	1078.8	0	1,494.170	1099.0	558	598.849	1097.4	210	122.349	1073.7
8/28/2010	0:00												
8/29/2010	0:00												
8/30/2010	0517	150	729.925	1078.8	0	1,494.170	1099.0	561	601.228	1097.2	209	123.253	1073.7
8/31/2010	0517	151	730.141	1078.8	0	1,494.170	1099.0	558	602.036	1097.2	210	123.555	1073.8
		TOTAL	6.509		TOTAL	-		TOTAL	17.458		**TOTAL**	9.095	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			EW-16		
DATE	TIME	500			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
8/1/2010	0635	376	49.945	1114.5	115	58.311	1078.3
8/2/2010	0546	376	50.466	1114.5	115	58.472	1078.3
8/3/2010	0539	377	51.008	1114.5	117	58.640	1078.3
8/4/2010	0523	383	51.515	1114.5	117	58.806	1078.3
8/5/2010	0521	381	52.064	1114.5	118	58.975	1078.3
8/6/2010	0622	381	52.639	1114.5	117	59.152	1078.3
8/7/2010	0:00						
8/8/2010	0:00						
8/9/2010	0541	381	54.266	1114.5	118	59.655	1078.3
8/10/2010	0557	380	54.819	1114.5	118	59.827	1078.3
8/11/2010	0558	380	55.367	1114.5	117	59.998	1078.3
8/12/2010	0537	381	55.905	1114.5	119	60.165	1078.3
8/13/2010	0515	381	56.444	1114.5	119	60.334	1078.3
8/14/2010	0:00						
8/15/2010	0:00						
8/16/2010	0537	377	58.088	1114.5	120	60.852	1078.3
8/17/2010	0536	377	58.630	1114.5	121	61.024	1078.3
8/18/2010	0545	0	58.702	1123.8	122	61.199	1078.3
8/19/2010	0535	0	58.702	1124.0	121	61.372	1078.3
8/20/2010	0521	395	59.188	1114.5	123	61.545	1078.3
8/21/2010	0:00						
8/22/2010	0:00						
8/23/2010	0541	382	60.865	1114.5	121	62.072	1078.3
8/24/2010	0531	388	61.264	1114.5	124	62.200	1078.3
8/25/2010	0532	383	61.82	1114.5	123	62.378	1078.4
8/26/2010	0534	387	62.239	1114.5	125	62.514	1078.3
8/27/2010	0522	506	62.943	1111.3	124	62.693	1078.3
8/28/2010	0:00						
8/29/2010	0:00						
8/30/2010	0517	497	65.109	1111.3	125	63.233	1078.3
8/31/2010	0517	459	65.823	1111.3	126	63.416	1078.3
		TOTAL	16.595		TOTAL	5.289	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
9/1/2010	0531	182	753.289	1068.7	0	555.452	1080.2	309	1,021.430	1077.5	78	421.149	1064.8
9/2/2010	0519	184	753.548	1068.7	0	555.452	1080.2	308	1,021.871	1077.5	78	421.260	1064.8
9/3/2010	0527	184	753.815	1068.7	0	555.452	1080.2	309	1,022.315	1077.6	76	421.370	1065.3
9/4/2010													
9/5/2010													
9/6/2010													
9/7/2010	0635	180	745.885	1068.7	0	555.452	1080.2	309	1,024.115	1077.4	78	421.818	1064.8
9/8/2010	0620	179	755.142	1068.7	0	555.452	1080.2	308	1,024.554	1077.6	77	421.929	1064.8
9/9/2010	0630	179	755.400	1068.7	0	555.452	1080.2	309	1,024.997	1077.6	77	422.040	1064.8
9/10/2010	0640	179	755.662	1068.7	0	555.452	1080.2	308	1,025.446	1077.6	78	422.153	1064.8
9/11/2010													
9/12/2010													
9/13/2010	0539	178	756.411	1068.7	0	555.452	1080.2	309	1,026.737	1077.6	77	422.477	1064.8
9/14/2010													
9/15/2010	0534	190	756.804	1068.7	0	555.452	1080.2	308	1,027.386	1077.8	79	422.642	1064.8
9/16/2010	0521	187	757.071	1068.7	0	555.452	1080.2	309	1,027.825	1077.8	79	422.754	1064.8
9/17/2010	0632	177	757.338	1069.1	0	555.452	1080.2	308	1,028.291	1077.7	79	422.873	1064.8
9/18/2010													
9/19/2010													
9/20/2010	0543	178	757.638	1069.1	0	555.452	1080.2	310	1,029.422	1077.9	80	423.162	1064.9
9/21/2010	0543	29	757.668	1069.1	0	555.452	1080.2	309	1,029.847	1077.9	80	423.271	1064.8
9/22/2010	0550	0	757.679	1069.1	0	555.452	1080.2	296	1,030.279	1078.0	79	423.385	1064.8
9/23/2010	0538	0	757.679	1069.1	0	555.452	1080.2	296	1,030.702	1078.0	79	423.498	1064.8
9/24/2010	0525	144	757.577	1069.1	0	555.452	1080.2	295	1,031.124	1078.0	79	423.611	1064.8
9/25/2010													
9/26/2010													
9/27/2010	0537	167	758.297	1068.3	0	555.452	1080.2	297	1,032.405	1078.0	79	423.952	1064.8
9/28/2010	0531	164	758.534	1068.2	0	555.452	1080.2	300	1,032.831	1078.0	79	424.063	1064.9
9/29/2010	0536	164	758.772	1068.2	0	555.452	1080.2	299	1,033.261	1078.0	79	424.175	1064.9
9/30/2010	0526	163	759.007	1068.3	0	555.452	1080.2	299	1,033.688	1078.1	79	424.288	1064.8
		TOTAL	5.951		TOTAL	-		TOTAL	12.684		TOTAL	3.252	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
9/1/2010	0531	0	796.012	1095.7	51	1,032.653	1091.4	307	1,293.122	1075.9	0	864.831	1116.2
9/2/2010	0519	0	796.012	1095.7	63	1,032.737	1091.4	308	1,293.562	1075.8	0	864.831	1116.2
9/3/2010	0527	0	796.012	1095.7	51	1,032.813	1091.4	305	1,294.007	1075.9	0	864.831	1116.2
9/4/2010	0:00												
9/5/2010	0:00												
9/6/2010	0:00												
9/7/2010	0635	0	796.012	1095.7	62	1,033.179	1091.4	308	1,295.808	1075.8	0	864.831	116.2
9/8/2010	0620	0	796.012	1095.7	62	1,033.267	1091.4	309	1,296.245	1075.8	0	864.831	1116.2
9/9/2010	0630	0	796.012	1095.7	62	1,033.357	1091.4	309	1,296.688	1075.8	0	864.831	1116.2
9/10/2010	0640	0	796.012	1095.7	62	1,033.447	1091.4	309	1,297.138	1075.8	0	864.831	1116.2
9/11/2010	0:00												
9/12/2010	0:00												
9/13/2010	0539	0	796.012	1095.7	62	1,033.707	1091.4	307	1,298.436	1075.9	0	864.831	1116.2
9/14/2010	0:00												
9/15/2010	0534	0	796.012	1095.7	61	1,033.831	1091.4	318	1,299.105	1075.8	0	864.831	1116.2
9/16/2010	0521	0	796.012	1095.7	62	1,033.919	1091.4	308	1,299.548	1076.1	0	864.831	1116.2
9/17/2010	0632	0	796.012	1095.7	50	1,033.998	1091.4	300	1,300.006	1076.4	0	864.831	1116.2
9/18/2010	0:00												
9/19/2010	0:00												
9/20/2010	0543	0	796.012	1095.7	51	1,034.183	1091.4	310	1,301.123	1076.4	0	864.831	1116.2
9/21/2010	0543	0	796.012	1095.7	51	1,034.252	1091.4	307	1,301.548	1076.4	0	864.831	1116.2
9/22/2010	0550	0	796.012	1095.7	52	1,034.328	1091.4	292	1,301.971	1077.2	0	864.831	1116.2
9/23/2010	0538	0	796.012	1095.7	52	1,034.402	1091.4	290	1,302.387	1077.3	0	864.831	1116.2
9/24/2010	0525	0	796.012	1095.7	52	1,034.475	1091.4	290	1,302.802	1077.2	0	864.831	1116.2
9/25/2010	0:00												
9/26/2010	0:00												
9/27/2010	0537	0	796.012	1095.7	52	1,034.700	1091.4	289	1,304.057	1077.3	0	864.831	1116.2
9/28/2010	0531	0	796.012	1095.7	52	1,034.774	1091.4	290	1,304.472	1077.2	0	864.831	1116.2
9/29/2010	0536	0	796.012	1095.7	52	1,034.851	1091.4	292	1,304.892	1077.1	0	864.831	1116.2
9/30/2010	0526	0	796.012	1095.7	52	1,034.925	1091.4	289	1,305.307	1077.2	0	864.831	1116.2
		TOTAL	-		TOTAL	2.353		TOTAL	12.599		TOTAL	-	

COMMENTS :_____

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			0			550			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
9/1/2010	0531	150	730.359	1078.8	0	1,494.170	1099.0	0	602.222	1111.5	209	123.861	1073.7
9/2/2010	0519	150	730.573	1078.8	0	1,494.170	1099.0	0	602.222	1111.8	210	124.161	1073.7
9/3/2010	0527	150	730.789	1078.8	0	1,494.170	1099.0	0	602.222	1112.0	209	124.463	1073.7
9/4/2010	0:00												
9/5/2010	0:00												
9/6/2010	0:00												
9/7/2010	0635	149	731.668	1078.9	0	1,494.170	1098.9	0	602.222	1112.6	209	125.694	1073.7
9/8/2010	0620	150	731.880	1078.9	0	1,494.170	1099.0	0	602.222	1112.7	210	125.992	1073.7
9/9/2010	0630	151	732.097	1078.9	0	1,494.170	1099.1	0	602.222	1112.8	210	126.295	1073.7
9/10/2010	0640	151	732.316	1078.9	0	1,494.170	1099.1	0	602.222	1112.8	211	126.603	1073.7
9/11/2010	0:00												
9/12/2010	0:00												
9/13/2010	0539	151	732.948	1078.8	0	1,494.170	1099.1	0	602.223	1112.9	211	127.487	1073.7
9/14/2010	0:00												
9/15/2010	0534	152	733.268	1078.8	0	1,494.170	1099.2	0	602.223	1113.1	213	127.938	1073.7
9/16/2010	0521	151	733.484	1078.9	0	1,494.170	1099.1	563	602.873	1098.8	212	128.243	1073.7
9/17/2010	0632	148	733.707	1079.3	0	1,494.170	1099.1	563	603.723	1098.5	213	128.565	1073.7
9/18/2010	0:00												
9/19/2010	0:00												
9/20/2010	0543	149	734.249	1079.4	0	1,494.170	1099.2	561	605.751	1098.2	208	129.332	1074.0
9/21/2010	0543	149	734.454	1079.3	0	1,494.170	1099.1	560	606.517	1098.1	209	129.621	1074.0
9/22/2010	0550	148	734.667	1079.4	0	1,494.170	1099.2	562	607.313	1097.9	208	129.921	1074.0
9/23/2010	0538	148	734.877	1079.4	0	1,494.170	1099.2	562	608.116	1097.8	208	130.218	1074.0
9/24/2010	0525	147	735.088	1079.4	0	1,494.170	1099.2	566	608.920	1097.6	207	130.515	1074.0
9/25/2010	0:00												
9/26/2010	0:00												
9/27/2010	0537	148	735.725	1079.4	0	1,494.170	1099.2	565	611.362	1097.5	203	131.4	1074.2
9/28/2010	0531	148	735.936	1079.4	0	1,494.170	1099.2	559	612.128	1097.4	206	131.691	1074.2
9/29/2010	0536	147	736.148	1079.5	0	1,494.170	1099.3	564	612.935	1097.4	209	131.989	1074.2
9/30/2010	0526	147	736.359	1079.4	0	1,494.170	1099.2	564	613.740	1097.4	206	132.286	1074.2
		TOTAL	6.211		TOTAL	-		TOTAL	12.323		**TOTAL**	8.721	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			**EW-16**		
DATE	**TIME**	**500**			**100**		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
9/1/2010	0531	491	66.54	1111.3	125	63.600	1078.3
9/2/2010	0519	0	66.727	1123.5	127	63.781	1078.3
9/3/2010	0527	0	67.283	1122.8	126	63.962	1078.3
9/4/2010	0:00						
9/5/2010	0:00						
9/6/2010	0:00						
9/7/2010	0635	0	67.283	1124.3	127	64.708	1078.3
9/8/2010	0620	0	67.283	1124.3	128	64.889	1078.3
9/9/2010	0630	0	67.283	1124.3	128	65.075	1078.3
9/10/2010	0640	0	67.283	1124.5	129	65.264	1078.3
9/11/2010	0:00						
9/12/2010	0:00						
9/13/2010	0539	0	67.326	1124.7	131	65.801	1078.3
9/14/2010	0:00						
9/15/2010	0534	0	67.326	1124.8	136	66.081	1078.3
9/16/2010	0521	0	67.326	1124.8	132	66.273	1078.3
9/17/2010	0632	502	68.005	112.3	133	66.474	1078.3
9/18/2010	0:00						
9/19/2010	0:00						
9/20/2010	0543	493	69.793	1112.3	116	66.916	1078.7
9/21/2010	0543	483	70.455	1112.3	117	67.076	1078.7
9/22/2010	0550	487	71.163	1112.0	115	67.244	1078.7
9/23/2010	0538	492	71.867	1111.8	117	67.410	1078.7
9/24/2010	0525	487	72.566	1111.8	115	67.575	1078.7
9/25/2010	0:00						
9/26/2010	0:00						
9/27/2010	0537	495	74.726	1111.5	106	68.046	1078.9
9/28/2010	0531	498	75.411	1111.5	108	68.197	1078.9
9/29/2010	0536	500	76.054	1111.5	109	68.353	1078.9
9/30/2010	0526	494	76.763	1111.5	109	68.509	1078.9
		TOTAL	10.619		TOTAL	5.065	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
10/1/2010	0517	162	759.240	1068.2	0	555.452	1080.2	298	1,034.114	1078.0	78	424.401	1064.8
10/2/2010													
10/3/2010													
10/4/2010	0537	162	759.939	1068.2	0	555.452	1080.2	298	1,035.405	1078.0	78	424.741	1064.8
10/5/2010	0539	161	760.169	1068.2	0	555.452	1080.2	297	1,035.833	1078.0	78	424.854	1064.8
10/6/2010	0536	159	760.397	1068.2	0	555.452	1080.2	300	1,036.259	1078.0	78	424.996	1064.8
10/7/2010	0539	158	760.592	1068.2	0	555.452	1080.2	302	1,036.626	1078.0	78	424.996	1064.8
10/8/2010	0526	161	760.807	1068.0	0	555.452	1080.2	301	1,037.053	1078.0	79	425.174	1064.8
10/9/2010													
10/10/2010													
10/11/2010	0542	171	761.534	1067.8	0	555.452	1080.2	300	1,038.349	1078.0	78	425.515	1064.8
10/12/2010	0555	170	761.784	1067.8	0	555.452	1080.2	0	1,038.446	1086.7	0	425.540	1090.5
10/13/2010	0542	172	762.029	1067.8	0	555.452	1080.2	0	1,038.447	1086.9	0	425.540	1090.6
10/14/2010	0531	173	762.273	1067.8	0	555.452	1080.2	0	1,038.549	1087.1	0	425.540	1090.8
10/15/2010	0522	171	762.518	1067.8	0	555.452	1080.2	310	1,038.829	1078.4	80	425.635	1064.8
10/16/2010													
10/17/2010													
10/18/2010	0533	171	763.256	1067.8	0	555.452	1080.2	311	1,040.171	1078.0	79	425.980	1064.8
10/19/2010	0529	171	763.500	1067.8	0	555.452	1080.2	310	1,040.614	1078.1	78	426.093	1064.8
10/20/2010	0700	171	763.733	1067.8	0	555.452	1080.2	310	1,041.034	1078.2	80	426.202	1064.8
10/21/2010	0527	168	763.963	1067.8	0	555.452	1080.2	310	1,041.453	1078.0	79	426.310	1064.8
10/22/2010	0522	170	764.206	1067.8	0	555.452	1080.2	311	1,041.897	1078.0	80	426.424	1064.8
10/23/2010													
10/24/2010													
10/25/2010	0529	169	764.938	1067.8	0	555.452	1080.2	310	1,043.237	1078.0	80	426.768	1064.8
10/26/2010	0525	171	765.183	1067.8	0	555.452	1080.2	310	1,043.681	1078.0	79	426.881	1064.8
10/27/2010	0538	170	765.430	1067.8	0	555.452	1080.2	307	1,044.130	1078.0	79	426.996	1064.8
10/28/2010	0536	167	765.673	1067.8	0	555.452	1080.2	306	1,044.570	1078.1	79	427.109	1064.8
10/29/2010	0531	169	765.914	1067.8	0	555.452	1080.2	305	1,045.004	1078.1	78	427.222	1064.8
10/30/2010													
10/31/2010													
		TOTAL	7.406		TOTAL	-		TOTAL	12.201		TOTAL	3.160	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
10/1/2010	0517	0	796.012	1095.7	63	1,035.006	1091.4	290	1,305.721	1077.2	0	864.831	1116.2
10/2/2010	0:00												
10/3/2010	0:00												
10/4/2010	0537	0	796.012	1095.7	63	1,035.280	1091.4	291	1,036.979	1077.2	0	864.831	1116.2
10/5/2010	0539	0	796.012	1095.7	63	1,035.371	1091.4	290	1,307.397	1077.2	0	864.831	1116.2
10/6/2010	0536	0	796.012	1095.7	63	1,035.462	1091.4	290	1,307.814	1077.2	0	864.831	1116.2
10/7/2010	0539	0	796.012	1095.7	63	1,035.539	1091.4	292	1,308.172	1077.2	0	864.831	1116.2
10/8/2010	0526	0	796.012	1095.7	63	1,035.629	1091.4	292	1,308.589	1077.2	0	864.831	1116.2
10/9/2010	0:00												
10/10/2010	0:00												
10/11/2010	0542	0	796.012	1095.7	63	1,035.899	1091.4	291	1,039.853	1077.2	0	864.831	1116.2
10/12/2010	0555	0	796.012	1095.7	66	1,035.995	1091.4	287	1,310.275	1077.4	0	864.831	1116.2
10/13/2010	0542	0	796.012	1095.7	63	1,036.086	1091.4	291	1,310.689	1077.2	0	864.831	1116.2
10/14/2010	0531	0	796.012	1095.7	63	1,036.176	1091.4	292	1,311.104	1077.2	0	864.831	1116.2
10/15/2010	0522	0	796.012	1095.7	63	1,036.266	1091.4	290	1,311.520	1077.2	0	864.831	1116.2
10/16/2010	0:00												
10/17/2010	0:00												
10/18/2010	0533	0	796.012	1095.7	63	1,036.266	1091.4	291	1,312.781	1077.2	0	864.831	1116.2
10/19/2010	0529	0	796.012	1095.7	52	1,036.617	1091.4	292	1,313.200	1077.2	0	864.831	1116.2
10/20/2010	0700	0	796.012	1095.7	51	1,036.686	1091.4	294	1,313.598	1077.2	0	864.831	1116.2
10/21/2010	0527	0	796.012	1095.7	52	1,036.756	1091.4	290	1,313.994	1077.3	0	864.831	1116.2
10/22/2010	0522	0	796.012	1095.7	53	1,036.830	1091.4	293	1,314.414	1077.2	0	864.831	1116.2
10/23/2010	0:00												
10/24/2010	0:00												
10/25/2010	0529	0	796.012	1095.7	58	1,037.077	1091.4	293	1,315.680	1077.2	0	864.831	1116.2
10/26/2010	0525	0	796.012	1095.7	57	1,037.158	1091.4	248	1,315.101	1077.2	0	864.831	1116.2
10/27/2010	0538	0	796.012	1095.7	62	1,037.248	1091.4	0	1,316.101	1092.6	0	864.831	1116.2
10/28/2010	0536	0	796.012	1095.7	62	1,037.333	1091.4	0	1,316.101	1092.4	0	864.831	1116.2
10/29/2010	0531	0	796.012	1095.7	51	1,037.406	1091.4	304	1,316.675	1077.3	0	864.831	1116.2
10/30/2010	0:00												
10/31/2010	0:00												
		TOTAL	-		TOTAL	2.621		TOTAL	12.248		TOTAL	-	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			0			550			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
10/1/2010	0517	148	736.570	1079.4	0	1,494.170	1099.2	561	614.545	1097.3	204	132.582	1074.2
10/2/2010	0:00												
10/3/2010	0:00												
10/4/2010	0537	147	737.210	1079.5	0	1,494.170	1099.3	564	616.988	1097.2	204	133.467	1074.2
10/5/2010	0539	149	737.423	1079.4	0	1,494.170	1099.3	562	617.800	1097.2	204	133.762	1074.2
10/6/2010	0536	148	737.635	1079.5	0	1,494.170	1099.3	560	618.609	1097.1	204	134.056	1074.2
10/7/2010	0539	149	737.815	1079.4	0	1,494.170	1099.2	561	619.285	1097.2	206	134.307	1074.2
10/8/2010	0526	148	738.026	1079.5	0	1,494.170	1099.3	560	620.087	1097.2	206	134.600	1074.2
10/9/2010	0:00												
10/10/2010	0:00												
10/11/2010	0542	148	738.669	1079.4	0	1,494.170	1099.4	562	622.475	1097.1	206	135.494	1074.3
10/12/2010	0555	0	738.718	1097.4	0	1,494.170	1099.3	569	622.891	1097.6	206	135.792	1074.2
10/13/2010	0542	150	738.881	1097.4	0	1,494.170	1099.3	560	623.690	1097.3	205	136.085	1074.2
10/14/2010	0531	150	739.094	1097.4	0	1,494.170	1099.4	559	624.491	1097.2	206	136.380	1074.2
10/15/2010	0522	149	739.308	1097.4	0	1,494.170	1099.3	561	625.196	1097.3	206	136.657	1074.2
10/16/2010	0:00												
10/17/2010	0:00												
10/18/2010	0533	149	739.952	1097.4	0	1,494.170	1099.4	560	627.623	1097.1	207	137.570	1074.2
10/19/2010	0529	149	740.165	1097.4	0	1,494.170	1099.4	558	628.412	1097.1	207	137.865	1074.2
10/20/2010	0700	150	740.368	1079.5	0	1,494.170	1099.4	555	628.846	1097.8	208	138.147	1074.2
10/21/2010	0527	149	740.569	1097.4	0	1,494.170	1099.5	556	629.599	1097.3	210	138.428	1074.2
10/22/2010	0522	149	740.783	1079.5	0	1,494.170	1099.5	560	630.394	1097.3	210	138.730	1074.2
10/23/2010	0:00												
10/24/2010	0:00												
10/25/2010	0529	0	740.836	1097.9	0	1,494.170	1099.6	558	632.816	1097.1	211	139.640	1074.2
10/26/2010	0525	112	740.990	1085.8	0	1,494.170	1099.4	562	633.620	1097.1	214	139.942	1074.1
10/27/2010	0538	153	741.114	1079.4	0	1,494.170	1099.4	561	634.434	1097.1	209	140.246	1074.2
10/28/2010	0536	149	741.331	1079.4	0	1,494.170	1099.3	559	635.237	1097.0	206	140.545	1074.3
10/29/2010	0531	151	741.546	1079.4	0	1,494.170	1099.4	562	636.041	1097.0	208	140.843	1074.2
10/30/2010	0:00												
10/31/2010	0:00												
		TOTAL	5.625		TOTAL	-		TOTAL	23.913		TOTAL	9.163	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			**EW-16**		
DATE	**TIME**	**500**			**100**		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
10/1/2010	0517	0	77.159	1123.5	109	68.665	1078.9
10/2/2010	0:00						
10/3/2010	0:00						
10/4/2010	0537	0	77.159	1124.3	109	69.139	1078.9
10/5/2010	0539	0	77.159	1124.5	110	69.297	1078.9
10/6/2010	0536	0	77.159	1124.5	110	69.456	1079.0
10/7/2010	0539	0	77.159	1124.7	112	69.592	1078.9
10/8/2010	0526	0	77.159	1124.8	113	69.752	1078.9
10/9/2010	0:00						
10/10/2010	0:00						
10/11/2010	0542	0	77.267	1124.8	112	70.239	1078.9
10/12/2010	0555	0	77.267	1124.8	112	70.402	1078.9
10/13/2010	0542	0	77.267	1124.9	113	70.563	1079.0
10/14/2010	0531	0	77.267	1124.9	114	70.726	1079.0
10/15/2010	0522	0	77.267	1124.9	115	70.892	1078.9
10/16/2010	0:00						
10/17/2010	0:00						
10/18/2010	0533	0	77.267	1125.1	111	71.382	1079.0
10/19/2010	0529	484	77.833	1113.3	112	71.539	1079.0
10/20/2010	0700	502	78.508	1112.5	112	71.693	1079.0
10/21/2010	0527	492	79.178	1112.5	112	71.844	1079.1
10/22/2010	0522	486	79.879	1112.5	113	72.006	1079.0
10/23/2010	0:00						
10/24/2010	0:00						
10/25/2010	0529	490	82.021	1112.0	115	72.498	1079.0
10/26/2010	0525	495	82.736	1111.8	113	72.663	1079.0
10/27/2010	0538	496	83.458	1111.8	112	72.827	1079.0
10/28/2010	0536	491	84.166	1111.8	112	72.985	1079.0
10/29/2010	0531	498	84.881	1111.5	114	73.144	1079.0
10/30/2010	0:00						
10/31/2010	0:00						
		TOTAL	9.862		TOTAL	4.967	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
11/1/2010	0528	170	766.646	1067.8	0	555.452	1080.2	303	1,046.315	1078.0	79	427.561	1064.8
11/2/2010	0517	171	766.888	1067.8	0	555.452	1080.2	301	1,046.745	1078.0	78	427.673	1064.8
11/3/2010	0555	0	766.898	1075.2	0	555.452	1080.2	304	1,047.192	1078.0	78	427.789	1064.8
11/4/2010	0519	0	766.970	1075.2	0	555.452	1080.2	301	1,047.615	1078.0	78	427.899	1064.8
11/5/2010	0518	158	767.199	1068.4	0	555.452	1080.2	305	1,048.050	1078.1	78	428.012	1064.8
11/6/2010													
11/7/2010													
11/8/2010	0556	171	767.945	1067.9	0	555.452	1080.2	308	1,049.388	1078.0	78	428.357	1064.8
11/9/2010	0550	169	768.187	1067.9	0	555.452	1080.2	304	1,049.824	1078.0	78	428.471	1064.8
11/10/2010	0540	172	768.431	1067.9	0	555.452	1080.2	304	1,050.258	1078.0	78	428.581	1064.8
11/11/2010													
11/12/2010	0625	169	768.928	1067.9	0	555.452	1080.2	303	1,051.138	1078.0	78	428.810	1064.8
11/13/2010													
11/14/2010													
11/15/2010	0528	179	769.680	1067.9	0	555.452	1080.2	0	1,051.161	1086.5	0	428.816	1090.3
11/16/2010	0536	177	769.937	1067.9	0	555.452	1080.2	0	1,051.161		0	428.816	
11/17/2010	0630	174	770.203	1067.9	0	555.452	1080.2	0	1,051.161		0	428.816	
11/18/2010	0546	175	770.444	1067.9	0	555.452	1080.2	0	1,051.161		0	428.816	
11/19/2010	0517	175	770.692	1067.9	0	555.452	1080.2	0	1,051.161		0	428.816	
11/20/2010	1115	176	770.703	1067.9	0	555.452	1080.2	0	1,051.161		0	428.816	
11/21/2010													
11/22/2010	0537	176	770.703	1067.9	0	555.452	1080.2	0	1,051.161		0	428.816	
11/23/2010	0528	177	770.899	1067.9	0	555.452	1080.2	0	1,051.161		0	428.816	
11/24/2010	0531	175	771.154	1067.9	0	555.452	1080.2	0	1,051.161	1086.5	78	428.889	1074.8
11/25/2010													
11/26/2010													
11/27/2010													
11/28/2010													
11/29/2010	0543	176	771.690	1067.9	0	555.452	1080.2	272	1,053.104	1082.2	0	429.026	1091.4
11/30/2010	0536	176	771.690	1067.9	0	555.452	1080.2	300	1,053.534	1081.6	95	429.118	1069.3
		TOTAL	5.219		TOTAL	-		TOTAL	7.647		TOTAL	1.695	
COMMENTS :	EW-3 and 4 pulled on 11/12/10 for well rehab.												

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
11/1/2010	0528	0	796.012	1095.7	51	1,037.627	1091.4	298	1,317.969	1077.1	0	864.831	1116.2
11/2/2010	0517	0	796.012	1095.7	51	1,037.701	1091.4	296	1,318.391	1077.2	0	864.831	1116.2
11/3/2010	0555	0	796.012	1095.7	51	1,037.777	1091.4	296	1,318.828	1077.1	0	864.831	1116.2
11/4/2010	0519	0	796.012	1095.7	51	1,037.850	1091.4	296	1,319.242	1077.2	0	864.831	1116.2
11/5/2010	0518	0	796.012	1095.7	52	1,037.924	1091.4	291	1,319.662	1077.4	0	864.831	1116.2
11/6/2010	0:00												
11/7/2010	0:00												
11/8/2010	0556	0	796.012	1095.7	0	1,037.941	1091.4	293	1,320.952	1077.4	0	864.831	1116.2
11/9/2010	0550	0	796.012	1095.7	0	1,037.978	1096.1	291	1,321.371	1077.4	0	864.831	1116.2
11/10/2010	0540	0	796.012	1095.7	0	1,038.093	1096.0	293	1,321.788	1077.3	0	864.831	1116.2
11/11/2010	0:00												
11/12/2010	0625	0	796.012	1095.7	51	1,038.224	1092.2	289	1,322.640	1077.5	0	864.831	1116.2
11/13/2010	0:00												
11/14/2010	0:00												
11/15/2010	0528	0	796.012	1095.7	50	1,038.281	1092.3	293	1,322.968	1077.4	0	864.831	1116.2
11/16/2010	0536	0	796.012	1095.7	50	1,038.281	1092.3	292	1,324.012	1077.4	0	864.831	1116.2
11/17/2010	0630	0	796.012	1095.7	51	1,038.587	1092.2	290	1,324.740	1077.4	0	864.831	1116.2
11/18/2010	0546	0	796.012	1095.7	51	1,038.651	1092.2	293	1,325.142	1077.4	0	864.831	1116.2
11/19/2010	0517	0	796.012	1095.7	56	1,038.725	1092.3	291	1,325.553	1077.5	0	864.831	1116.2
11/20/2010	1115	0	796.012	1095.7	51	1,038.809	1092.3	294	1,326.077	1077.4	0	864.831	1116.2
11/21/2010	0:00												
11/22/2010	0537	0	796.012	1095.7	50	1,038.937	1092.4	290	1,326.820	1077.5	0	864.831	1116.2
11/23/2010	0528	0	796.012	1095.7	51	1,039.010	1092.2	291	1,327.236	1077.4	0	864.831	1116.2
11/24/2010	0531	0	796.012	1095.7	50	1,039.082	1092.4	293	1,327.656	1077.5	0	864.831	1116.2
11/25/2010	0:00												
11/26/2010	0:00												
11/27/2010	0:00												
11/28/2010	0:00												
11/29/2010	0543	0	796.012	1095.7	50	1,039.446	1092.4	293	1,329.759	1077.4	0	864.831	1116.2
11/30/2010	0536	0	796.012	1095.7	51	1,039.518	1092.3	292	1,330.177	1077.4	0	864.831	1116.2
		TOTAL	-		TOTAL	1.963		TOTAL	12.627		TOTAL	-	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			0			600			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
11/1/2010	0528	150	742.195	1079.4	0	1,494.170	1099.4	560	638.458	1097.0	209	141.745	1074.2
11/2/2010	0517	150	742.409	1079.4	0	1,494.170	1099.5	559	639.257	1096.9	209	142.044	1074.2
11/3/2010	0555	151	742.631	1079.5	0	1,494.170	1099.5	557	640.084	1096.9	209	142.353	1074.2
11/4/2010	0519	150	742.842	1079.4	0	1,494.170	1099.5	558	640.000	1096.9	209	142.647	1074.2
11/5/2010	0518	146	743.052	1079.9	0	1,494.170	1099.5	558	641.673	1096.9	205	142.942	1074.4
11/6/2010	0:00												
11/7/2010	0:00												
11/8/2010	0556	147	743.695	1080.0	0	1,494.170	1099.6	560	644.133	1096.9	203	143.837	1074.5
11/9/2010	0550	146	743.904	1080.0	0	1,494.170	1099.6	560	644.934	1096.9	203	144.129	1074.5
11/10/2010	0540	146	744.113	1080.0	0	1,494.170	1099.6	558	645.733	1096.9	203	144.420	1074.5
11/11/2010	0:00												
11/12/2010	0625	145	744.540	1080.0	0	1,494.170	1099.6	559	647.374	1096.9	204	145.018	1074.5
11/13/2010	0:00												
11/14/2010	0:00												
11/15/2010	0528	147	745.160	1080.0	0	1,494.170	1099.6	556	649.312	1097.1	204	145.884	1074.5
11/16/2010	0536	146	745.371	1080.1	0	1,494.170	1099.6	558	650.119	1097.0	203	146.179	1074.5
11/17/2010	0630	145	745.591	1080.0	0	1,494.170	1099.5	556	650.960	1096.9	203	146.486	1074.5
11/18/2010	0546	145	745.792	1080.0	0	1,494.170	1099.5	556	651.729	1097.0	203	146.766	1074.6
11/19/2010	0517	146	745.997	1080.0	0	1,494.170	1099.6	558	652.515	1097.0	204	147.054	1074.5
11/20/2010	1115	146	746.259	1080.0	0	1,494.170	1099.6	557	653.480	1097.0	205	147.420	1074.5
11/21/2010	0:00												
11/22/2010	0537	146	746.631	1080.0	0	1,494.170	1099.7	557	654.895	1097.0	205	147.940	1074.5
11/23/2010	0528	146	746.840	1080.0	0	1,494.170	1099.6	554	655.689	1069.9	204	148.232	1074.5
11/24/2010	0531	147	747.050	1080.0	0	1,494.170	1099.8	556	656.492	1097.0	205	148.528	1074.5
11/25/2010	0:00												
11/26/2010	0:00												
11/27/2010	0:00												
11/28/2010	0:00												
11/29/2010	0543	147	748.103	1080.1	0	1,494.170	1099.7	554	660.493	1097.0	206	150.005	1074.5
11/30/2010	0536	145	748.311	1080.2	0	1,494.170	1099.6	555	661.288	1096.9	205	150.300	1074.5
		TOTAL	6.325		TOTAL	-		TOTAL	23.627		**TOTAL**	8.850	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			**EW-16**		
DATE	**TIME**	**500**			**100**		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
11/1/2010	0528	493	87.021	1111.5	111	73.632	1079.0
11/2/2010	0517	491	87.723	1111.5	112	73.791	1079.1
11/3/2010	0555	490	88.449	1111.5	115	73.960	1079.0
11/4/2010	0519	489	89.134	1111.5	112	74.118	1079.1
11/5/2010	0518	495	89.849	1111.3	102	74.268	1079.3
11/6/2010	0:00						
11/7/2010	0:00						
11/8/2010	0556	494	92.023	1111.3	102	74.308	1079.3
11/9/2010	0550	496	92.737	1111.3	101	74.853	1079.3
11/10/2010	0540	496	93.447	1111.3	101	74.998	1079.3
11/11/2010	0:00						
11/12/2010	0625	492	94.899	1111.3	101	75.293	1079.3
11/13/2010	0:00						
11/14/2010	0:00						
11/15/2010	0528	491	96.992	1111.3	105	75.730	1079.3
11/16/2010	0536	491	97.703	1111.3	105	75.881	1079.3
11/17/2010	0630	490	98.428	1111.3	103	76.040	1079.3
11/18/2010	0546	490	99.100	1111.3	106	76.185	1079.3
11/19/2010	0517	500	99.805	1111.0	0	76.205	1081.2
11/20/2010	1115	498	100.700	1111.0	115	76.363	1079.3
11/21/2010	0:00						
11/22/2010	0537	497	101.966	1111.0	115	76.655	1079.3
11/23/2010	0528	496	102.676	1111.0	114	76.819	1079.3
11/24/2010	0531	499	103.393	1111.2	119	76.989	1079.4
11/25/2010	0:00						
11/26/2010	0:00						
11/27/2010	0:00						
11/28/2010	0:00						
11/29/2010	0543	495	106.963	1111.0	116	77.829	1079.3
11/30/2010	0536	497	107.677	1111.0	113	77.992	1079.3
		TOTAL	21.373		TOTAL	4.523	
COMMENTS :							

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 1,2,3,4			
Gallons multiplied by 1,000,000 on Totalizer													
		EW -1			EW-2			EW-3			EW-4		
DATE	TIME	173			0			300			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
12/1/2010	0538	175	771.865	1067.9	0	555.452	1080.2	294	1,053.962	1081.6	95	429.256	1069.0
12/2/2010	0539	175	772.117	1067.9	0	555.452	1080.2	309	1,054.403	1081.5	96	429.381	1068.8
12/3/2010	0625	174	772.377	1067.9	0	555.452	1080.2	309	1,054.858	1081.4	96	429.534	1068.8
12/4/2010													
12/5/2010													
12/6/2010	0527	172	773.110	1067.9	0	555.452	1080.2	76	1,055.324	1086.3	0	429.686	1091.1
12/7/2010	0534	170	773.357	1067.9	0	555.452	1080.2	0	1,055.426	1088.3	0	429.686	1091.2
12/8/2010	0613	169	773.609	1067.9	0	555.452	1080.2	0	1,555.426	1088.5	0	429.686	1091.2
12/9/2010	0540	168	773.846	1067.9	0	555.452	1080.2	0	1,555.426	1088.6	0	429.729	1091.3
12/10/2010	0516	169	774.086	1067.9	0	555.452	1080.2	316	1,055.871	1081.6	97	429.867	1068.4
12/11/2010													
12/12/2010													
12/13/2010	0602	166	774.821	1067.9	0	555.452	1080.2	298	1,056.803	1081.8	98	430.160	1068.4
12/14/2010	0541	165	775.057	1067.9	0	555.452	1080.2	292	1,057.222	1081.9	98	430.298	1068.4
12/15/2010	0533	170	775.298	1067.8	0	555.452	1080.2	293	1,057.338	1081.9	98	430.437	1068.4
12/16/2010	0943	172	775.513	1067.8	0	555.452	1080.2	285	1,057.445	1082.6	98	430.559	1068.4
12/17/2010	0517	168	775.710	1067.8	0	555.452	1080.2	283	1,057.786	1082.2	97	430.673	1068.4
12/18/2010													
12/19/2010													
12/20/2010	0541	165	776.433	1067.8	0	555.452	1080.2	291	1,059.066	1081.8	97	431.093	1068.4
12/21/2010	0529	169	776.670	1067.7	0	555.452	1080.2	297	1,059.493	1081.6	96	431.230	1068.4
12/22/2010	0535	166	766.908	1067.7	0	555.452	1080.2	297	1,059.904	1081.6	96	431.363	1068.4
12/23/2010	0526	171	777.151	1067.5	0	555.452	1080.2	294	1,060.325	1081.6	96	431.363	1068.4
12/24/2010													
12/25/2010													
12/26/2010													
12/27/2010	0544	168	778.114	1067.5	0	555.452	1080.2	296	1,062.044	1081.4	96	432.045	1068.4
12/28/2010	0525	167	778.352	1067.5	0	555.452	1080.2	300	1,062.470	1081.4	95	432.182	1068.4
12/29/2010	0536	173	778.602	1067.3	0	555.452	1080.2	300	1,062.900	1081.4	96	432.321	1068.4
12/30/2010	0535	173	778.851	1067.3	0	555.452	1080.2	301	1,063.330	1081.4	96	432.459	1068.3
12/31/2010													
		TOTAL	7.478		TOTAL	-		TOTAL	10.220		TOTAL	3.478	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 5,6,7,8			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-5			EW-6			EW-7			EW-8		
DATE	TIME	0			60			290			0		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
12/1/2010	0538	0	796.012	1095.7	51	1,039.590	1092.3	289	1,330.596	1077.4	0	864.831	1116.2
12/2/2010	0539	0	796.012	1095.7	51	1,039.663	1092.2	291	1,331.017	1077.4	0	864.831	1116.2
12/3/2010	0625	0	796.012	1095.7	51	1,039.740	1092.2	293	1,331.454	1077.4	0	864.831	1116.2
12/4/2010	0:00												
12/5/2010	0:00												
12/6/2010	0527	0	796.012	1095.7	51	1,039.946	1092.4	292	1,332.619	1077.4	0	864.831	1116.2
12/7/2010	0534	0	796.012	1095.7	56	1,040.027	1091.9	292	1,333.043	1077.5	0	864.831	1116.2
12/8/2010	0613	0	796.012	1095.7	51	1,040.110	1092.3	290	1,333.475	1077.5	0	864.831	1116.2
12/9/2010	0540	0	796.012	1095.7	56	1,040.185	1092.0	294	1,333.887	1077.5	0	864.831	1116.2
12/10/2010	0516	0	796.012	1095.7	51	1,040.257	1092.4	293	1,334.301	1077.5	0	864.831	1116.2
12/11/2010	0:00												
12/12/2010	0:00												
12/13/2010	0602	0	796.012	1095.7	51	1,040.479	1092.4	293	1,335.575	1077.4	0	864.831	1116.2
12/14/2010	0541	0	796.012	1095.7	51	1,040.551	1092.4	294	1,335.980	1077.5	0	864.831	1116.2
12/15/2010	0533	0	796.012	1095.7	50	1,040.627	1092.5	294	1,336.409	1077.5	0	864.831	1116.2
12/16/2010	0943	0	796.012	1095.7	50	1,040.691	1092.6	302	1,336.779	1077.6	0	864.831	1116.2
12/17/2010	0517	0	796.012	1095.7	50	1,040.749	1092.5	296	1,337.130	1077.5	0	864.831	1116.2
12/18/2010	0:00												
12/19/2010	0:00												
12/20/2010	0541	0	796.012	1095.7	51	1,040.969	1092.6	295	1,338.411	1077.5	0	864.831	1116.2
12/21/2010	0529	0	796.012	1095.7	50	1,041.040	1092.5	295	1,338.830	1077.5	0	864.831	1116.2
12/22/2010	0535	0	796.012	1095.7	51	1,041.112	1092.4	294	1,339.247	1077.5	0	864.831	1116.2
12/23/2010	0526	0	796.012	1095.7	51	1,041.184	1092.5	294	1,339.667	1077.5	0	864.831	1116.2
12/24/2010	0:00												
12/25/2010	0:00												
12/26/2010	0:00												
12/27/2010	0544	0	796.012	1095.7	51	1,041.473	1092.5	296	1,341.349	1077.5	0	864.831	1116.2
12/28/2010	0525	0	796.012	1095.7	51	1,041.547	1092.5	296	1,341.769	1077.5	0	864.831	1116.2
12/29/2010	0536	0	796.012	1095.7	51	1,041.618	1092.6	293	1,342.195	1077.7	0	864.831	1116.2
12/30/2010	0535	0	796.012	1095.7	51	1,041.691	1092.6	296	1,342.618	1077.7	0	864.831	1116.2
12/31/2010	0:00												
		TOTAL	-		TOTAL	2.247		TOTAL	12.863		TOTAL	-	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP										SHEET #1 GW WELLS 9,10,11,14			
Gallons multiplied by 1,000,000 on Totalizer													
		EW-9			EW-10			FEW-11			FEW-14		
DATE	TIME	140			0			600			190		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
12/1/2010	0538	146	748.520	1080.1	0	1,494.170	1099.6	551	662.085	1096.9	205	150.595	1074.5
12/2/2010	0539	146	748.730	1080.1	0	1,494.170	1099.7	554	662.884	1096.9	182	150.885	1075.6
12/3/2010	0625	146	748.947	1080.1	0	1,494.170	1099.7	554	663.714	1096.9	184	151.158	1074.5
12/4/2010	0:00												
12/5/2010	0:00												
12/6/2010	0527	145	749.520	1080.3	0	1,494.170	1099.7	552	665.758	1097.0	188	151.898	1075.4
12/7/2010	0534	144	749.729	1080.3	0	1,494.170	1099.8	551	666.560	1097.0	0	151.914	1082.9
12/8/2010	0613	144	749.943	1080.4	0	1,494.170	1099.8	553	667.380	1096.9	182	151.915	1076.2
12/9/2010	0540	145	750.147	1080.3	0	1,494.170	1099.8	552	668.160	1069.9	0	152.032	1083.1
12/10/2010	0516	145	750.352	1080.3	0	1,494.170	1099.8	552	668.803	1097.1	191	152.306	1075.4
12/11/2010	0:00												
12/12/2010	0:00												
12/13/2010	0602	145	750.982	1080.3	0	1,494.170	1099.7	550	671.168	1097.0	189	153.134	1075.4
12/14/2010	0541	145	751.187	1080.3	0	1,494.170	1099.8	554	671.952	1097.0	189	153.403	1075.5
12/15/2010	0533	146	751.395	1080.3	0	1,494.170	1099.9	551	672.739	1097.0	190	153.674	1075.4
12/16/2010	0943	147	751.578	1080.3	0	1,494.170	1099.7	550	673.428	1097.3	194	153.913	1075.4
12/17/2010	0517	145	751.749	1080.3	0	1,494.170	1099.8	552	674.075	1097.1	190	154.139	1075.4
12/18/2010	0:00												
12/19/2010	0:00												
12/20/2010	0541	146	752.380	1080.3	0	1,494.170	1099.9	553	676.473	1097.0	191	154.966	1075.4
12/21/2010	0529	144	752.585	1080.5	0	1,494.170	1099.8	552	677.259	1096.9	189	155.237	1075.4
12/22/2010	0535	143	752.790	1080.5	0	1,494.170	1099.7	551	678.055	1096.9	189	155.511	1075.4
12/23/2010	0526	143	752.996	1080.6	0	1,494.170	1099.8	551	678.841	1096.9	190	155.781	1075.4
12/24/2010	0:00												
12/25/2010	0:00												
12/26/2010	0:00												
12/27/2010	0544	144	753.817	1080.5	0	1,494.170	1099.9	551	681.976	1096.9	191	156.867	1075.5
12/28/2010	0525	145	754.022	1080.5	0	1,494.170	1099.9	550	682.760	1096.9	190	157.138	1075.4
12/29/2010	0536	143	754.230	1080.6	0	1,494.170	1099.9	550	683.561	1096.9	192	157.415	1075.4
12/30/2010	0535	144	754.437	1080.6	0	1,494.170	1100.0	552	684.354	1096.9	192	157.691	1075.4
12/31/2010	0:00												
		TOTAL	6.329		TOTAL	-		TOTAL	23.856		**TOTAL**	7.644	
COMMENTS :													

former Nebraska Ordnance Plant OU-2 GTP							
Gallons multiplied by 1,000,000 on Totalizer							
		FEW-15			EW-16		
DATE	TIME	500			100		
		GPM	Totalizer	ELEVATION	GPM	Totalizer	ELEVATION
12/1/2010	0538	496	108.394	1111.0	113	78.155	1079.3
12/2/2010	0539	496	109.108	1111.0	102	78.316	1079.3
12/3/2010	0625	495	109.850	1111.0	102	78.470	1079.5
12/4/2010	0:00						
12/5/2010	0:00						
12/6/2010	0527	504	111.691	1110.8	101	78.889	1079.6
12/7/2010	0534	501	112.418	1110.8	102	79.037	1079.6
12/8/2010	0613	500	113.159	1110.8	104	79.189	1079.6
12/9/2010	0540	500	113.863	1110.8	107	79.337	1079.6
12/10/2010	0516	499	114.570	1110.8	105	79.486	1079.6
12/11/2010	0:00						
12/12/2010	0:00						
12/13/2010	0602	499	116.683	1110.8	0	79.543	1081.6
12/14/2010	0541	498	117.390	1110.8	31	79.618	1081.1
12/15/2010	0533	507	117.909	1110.8	111	79.781	1079.7
12/16/2010	0943	519	118.487	1110.8	127	79.872	1079.6
12/17/2010	0517	506	119.087	1110.8	112	80.010	1079.6
12/18/2010	0:00						
12/19/2010	0:00						
12/20/2010	0541	500	121.266	1110.8	95	80.423	1079.9
12/21/2010	0529	496	121.976	1110.8	95	80.563	1079.9
12/22/2010	0535	496	122.694	1110.8	94	80.700	1079.8
12/23/2010	0526	496	123.403	1110.8	94	80.834	1079.8
12/24/2010	0:00						
12/25/2010	0:00						
12/26/2010	0:00						
12/27/2010	0544	496	126.230	1110.8	102	81.125	1079.6
12/28/2010	0525	495	126.936	1110.8	102	81.571	1079.6
12/29/2010	0536	497	127.660	1110.8	106	81.722	1079.6
12/30/2010	0535	500	128.380	1110.8	107	81.874	1079.6
12/31/2010	0:00						
		TOTAL	21.421		TOTAL	4.012	
COMMENTS :							

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
1/1/2010	0:00							
1/2/2010	0:00							
1/3/2010	0:00							
1/4/2010	0609	15.3	2299	2246	2033	15.2	2.0	8.9
1/5/2010	0538	15.3	1746	1673	1531	15.3	5.6	8.7
1/6/2010	0545	15.1	2305	2299	2310	15.2	1.9	8.7
1/7/2010	0:00							
1/8/2010	0:00							
1/9/2010	0:00							
1/10/2010	0:00							
1/11/2010	0551	15.2	2364	2306	2351	15.1	6.7	8.7
1/12/2010	0538	14.7	2349	2328	2288	14.9	4.7	8.6
1/13/2010	0541	15.1	2329	2328	2327	15.1	4.9	8.5
1/14/2010	0526	15.1	2315	2344	2328	15.1	3.9	8.3
1/15/2010	0520	15.1	2304	2280	2270	15.1	4.5	8.1
1/16/2010	0710	14.5	2302	2229	2084	14.9	5.0	7.9
1/17/2010	0:00							
1/18/2010	0526	15.1	2287	2288	2257	15.2	5.1	7.7
1/19/2010	0525	14.7	2279	2202	2099	15.2	3.3	7.6
1/20/2010	0559	15.1	2276	2220	2173	15.2	2.6	7.4
1/21/2010	0543	15.1	2269	2230	2054	15.3	2.2	7.2
1/22/2010	0605	15.0	2273	2272	2261	15.2	3.3	7.1
1/23/2010	0:00							
1/24/2010	0:00							
1/25/2010	0606	15.3	2253	2185	2219	14.9	4.7	6.9
1/26/2010	0544	15.1	2249	2429	2610	15.6	2.2	6.8
1/27/2010	0543	15.3	2248	2193	2009	14.9	4.4	6.7
1/28/2010	0551	15.5	2243	2327	2293	15.4	2.0	6.6
1/29/2010	0518	14.9	2246	2214	1982	15.2	3.3	6.4
1/30/2010	0:00							
1/31/2010	0:00							

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
2/1/2010	0542	15.0	2436	2438	2439	15.2	4.5	6.2
2/2/2010	0551	15.1	2228	2233	2243	15.2	5.1	6.0
2/3/2010	0546	15.0	2233	2187	2206	15.0	3.3	8.9
2/4/2010	0539	15.1	2231	2252	2228	15.2	4.7	8.6
2/5/2010	0532	15.0	2231	2209	2192	15.0	2.6	8.3
2/6/2010	0:00							
2/7/2010	0:00							
2/8/2010	3557	14.5	2226	2294	2118	15.1	5.4	8.0
2/9/2010	3548	15.1	2228	2233	2203	15.2	1.9	4.0
2/10/2010	0536	15.1	2235	2228	2209	15.1	1.7	9.1
2/11/2010	0538	15.0	2102	2082	1894	15.2	2.4	8.4
2/12/2010	0533	15.2	2233	2244	2294	15.2	1.6	8.9
2/13/2010	0:00							
2/14/2010	0:00							
2/15/2010	0830	15.0	2243	2231	2188	15.3	0.0	8.5
2/16/2010	0741	15.0	2256	2187	2483	15.3	1.9	8.5
2/17/2010	0534	15.3	2247	2127	2116	15.1	1.6	8.9
2/18/2010	0557	15.1	2247	2252	2241	15.2	3.9	8.9
2/19/2010	0528	15.1	2274	2271	2296	15.2	3.6	7.9
2/20/2010	0:00							
2/21/2010	0:00							
2/22/2010	0547	15.2	2242	2165	2202	15.0	0.0	7.4
2/23/2010	0526	15.1	2241	2261	2237	15.2	3.2	7.1
2/24/2010	0542	15.2	1856	1890	1893	15.2	3.0	6.9
2/25/2010	0545	14.6	1860	1914	2066	15.1	3.9	6.8
2/26/2010	0522	15.0	1857	1820	1849	15.2	3.9	6.6
2/27/2010	0:00							
2/28/2010	0:00							

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
3/1/2010	0523	14.6	1851	1875	2067	15.2	3.7	8.6
3/2/2010	0534	15.1	1848	1827	1863	15.2	4.4	8.4
3/3/2010	0535	15.1	1842	1837	1851	15.2	3.5	7.5
3/4/2010	0527	15.1	1843	1842	1839	15.0	1.4	7.2
3/5/2010	0522	15.1	1845	1849	1807	15.3	3.9	6.6
3/6/2010	0:00							
3/7/2010	0:00							
3/8/2010	0528	15.0	1847	1854	1818	15.2	4.3	5.7
3/9/2010	0549	15.2	1855	1872	1861	15.2	3.0	8.7
3/10/2010	0541	15.1	1848	1872	1832	15.2	0.0	8.1
3/11/2010	0549	14.8	1836	1598	1354	15.8	0.0	8.6
3/12/2010	0625	15.3	1832	1851	1827	15.2	0.0	8.9
3/13/2010	0:00							
3/14/2010	0:00							
3/15/2010	0525	15.1	1828	1819	1822	15.1	5.1	8.3
3/16/2010	0530	15.0	1826	1973	1840	15.1	2.4	7.3
3/17/2010	0536	15.1	1830	1833	1888	15.1	1.4	8.9
3/18/2010	0537	14.8	1833	1627	1561	15.1	4.2	8.5
3/19/2010	0522	15.0	1833	1817	1841	15.1	2.2	8.1
3/20/2010	0:00							
3/21/2010	0:00							
3/22/2010	0630	13.8	1930	1940	374	16.4	5.0	7.5
3/23/2010	0529	15.1	1883	1851	1849	15.1	1.4	7.1
3/24/2010	0535	15.1	1853	1866	1900	15.2	2.7	6.6
3/25/2010	0521	15.0	1843	1853	1877	15.0	6.1	8.7
3/26/2010	0514	15.1	1855	1834	1840	15.2	2.1	8.4
3/27/2010	0:00							
3/28/2010	0:00							
3/29/2010	0529	15.1	1846	1863	1837	15.2	5.8	7.7
3/30/2010	0525	14.5	1865	1862	1892	15.1	6.1	7.3
3/31/2010	0525	15.0	1847	1845	1848	15.1	2.1	6.8

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
4/1/2010	0528	15.1	1854	1837	1827	15.2	5.2	6.6
4/2/2010	0521	15.1	1849	1886	1830	15.2	6.0	6.4
4/3/2010	0:00							
4/4/2010	0:00							
4/5/2010	0524	15.1	1844	1855	1818	15.0	5.8	5.6
4/6/2010	0544	14.9	1720	2290	1136	15.3	3.0	5.2
4/7/2010	0529	14.9	1857	2327	2038	15.6	5.7	5.0
4/8/2010	0536	15.1	2325	1875	1908	15.1	2.8	8.9
4/9/2010	0536	14.6	2311	2061	2127	15.3	6.3	8.9
4/10/2010	0:00							
4/11/2010	0:00							
4/12/2010	0527	15.1	1851	1945	1956	15.2	5.8	8.4
4/13/2010	0529	15.1	2329	2288	2304	15.2	4.9	6.2
4/14/2010	0528	15.1	2325	2326	2305	15.2	1.8	8.8
4/15/2010	0532	15.1	2329	2318	2337	15.2	4.8	7.1
4/16/2010	0527	15.0	1840	1806	1861	14.9	2.0	6.7
4/17/2010	0828	15.1	1838	1837	1863	15.5	5.9	6.9
4/18/2010	0:00							
4/19/2010	0531	15.1	1846	1832	1872	15.1	4.5	6.7
4/20/2010	0538	14.5	1845	1809	1855	14.9	2.0	6.0
4/21/2010	0528	15.1	1850	1846	1834	15.1	3.0	5.4
4/22/2010	0617	14.4	1879	1745	1906	14.3	3.2	8.7
4/23/2010	0522	15.2	2002	1921	1851	15.0	1.9	8.4
4/24/2010	0:00							
4/25/2010	0:00							
4/26/2010	0535	15.0	1857	1843	1819	15.5	5.6	7.8
4/27/2010	0534	15.1	1855	1855	1849	15.2	1.9	7.5
4/28/2010	0529	15.0	1856	1816	1899	15.2	0.6	8.7
4/29/2010	0528	14.8	1862	2001	2348	16.1	1.3	8.4
4/30/2010	0517	15.1	1884	1888	1891	15.1	5.7	8.7

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
5/1/2010	0:00							
5/2/2010	0:00							
5/3/2010	0528	15.0	1856	1855	1853	15.2	5.6	8.3
5/4/2010	0527	15.0	1866	1854	1865	15.2	1.9	8.0
5/5/2010	0533	15.1	1848	1839	1867	15.2	4.6	7.5
5/6/2010	0630	15.2	1855	1902	1857	15.3	1.8	7.1
5/7/2010	0625	15.1	2209	2240	2228	15.3	1.8	8.9
5/8/2010	0:00							
5/9/2010	0:00							
5/10/2010	0635	15.2	2362	2390	2358	15.1	4.5	8.8
5/11/2010	0705	15.2	2352	2396	2427	15.1	1.0	8.5
5/12/2010	0645	15.1	2351	2414	2476	15.4	0.4	8.8
5/13/2010	0710	15.2	2349	2423	2416	15.2	3.2	8.9
5/14/2010	0642	15.1	2350	2412	2406	15.2	1.7	8.4
5/15/2010	0:00							
5/16/2010	0:00							
5/17/2010	0535	15.1	2225	2225	2230	15.1	4.8	9.1
5/18/2010	0532	14.8	2201	1510	1304	15.0	2.9	7.7
5/19/2010	0525	15.1	2231	2241	2233	15.2	3.5	7.1
5/20/2010	0526	15.1	2230	2184	2241	15.1	5.2	6.6
5/21/2010	0518	15.1	2226	2215	2258	15.2	1.7	8.9
5/22/2010	0635	15.2	2227	2306	2314	15.2	3.3	8.3
5/23/2010	0:00							
5/24/2010	0529	15.1	2219	2219	2243	15.2	5.1	8.8
5/25/2010	0526	15.1	2209	2201	2156	15.1	3.7	8.0
5/26/2010	0514	15.1	2229	2225	2187	15.2	3.3	7.6
5/27/2010	0530	15.1	2244	1687	2275	15.4	5.1	7.3
5/28/2010	0519	14.5	2240	2117	2135	14.9	3.6	7.2
5/29/2010	0:00							
5/30/2010	0:00							
5/31/2010	0:00							

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
6/1/2010	0532	15.0	2225	2181	2097	15.3	5.2	6.9
6/2/2010	0531	14.6	2068	2127	2114	15.2	5.6	6.6
6/3/2010	0525	15.1	2235	2217	2480	15.3	4.8	6.3
6/4/2010	0630	15.1	2235	2249	2281	15.2	1.6	6.1
6/5/2010	0:00							
6/6/2010	0:00							
6/7/2010	0527	14.4	2229	2264	2633	15.7	5.2	8.8
6/8/2010	0527	15.0	1677	1666	835	15.0	5.9	8.6
6/9/2010	0539	15.1	1676	1714	1698	15.1	1.9	8.1
6/10/2010	0546	14.9	1699	1632	1870	15.9	4.4	7.6
6/11/2010	0622	15.1	1693	1770	1472	15.5	5.8	7.2
6/12/2010	0:00							
6/13/2010	0:00							
6/14/2010	0552	14.7	1678	1696	1862	15.4	5.9	6.9
6/15/2010	0543	15.0	1678	1680	1476	15.2	2.8	6.3
6/16/2010	0517	15.6	1673	2041	1899	15.2	4.9	6.1
6/17/2010	0526	14.8	1672	1697	1975	15.2	6.0	5.6
6/18/2010	0540	14.9	1696	1421	1407	15.3	2.1	8.3
6/19/2010	0:00							
6/20/2010	0:00							
6/21/2010	0:00							
6/22/2010	0534	15.0	1683	1685	1719	15.2	6.3	8.0
6/23/2010	0:00							
6/24/2010	0524	14.8	1192	0	675	15.0	6.5	8.6
6/25/2010	0625	14.8	1193	81	904	15.3	2.3	8.1
6/26/2010	0:00							
6/27/2010	0:00							
6/28/2010	0517	14.9	2234	2120	2027	15.1	2.2	7.7
6/29/2010	0857	15.1	2236	2251	2178	15.6	4.0	8.8
6/30/2010	0533	15.1	2228	2232	2479	15.2	2.6	8.5

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
7/1/2010	0537	15.1	2232	2236	2237	15.2	1.5	9.0
7/2/2010	0525	15.1	2230	2227	2250	15.3	4.9	8.8
7/3/2010	0:00							
7/4/2010	0:00							
7/5/2010	0:00							
7/6/2010	0556	15.4	2251	1910	1752	15.1	6.1	8.3
7/7/2010	0534	15.1	2245	2191	2524	15.7	5.4	8.4
7/8/2010	0529	15.8	1684	1135	1344	15.3	2.6	8.0
7/9/2010	0521	14.8	1692	2059	1465	15.4	3.1	8.7
7/10/2010	0:00							
7/11/2010	0:00							
7/12/2010	0525	15.2	2248	2273	2311	15.1	3.4	8.5
7/13/2010	0526	14.3	2253	2313	2373	15.4	5.7	8.7
7/14/2010	0538	14.5	2255	2113	2135	15.6	3.2	8.5
7/15/2010	0:00							
7/16/2010	0523	14.7	1355	1428	1166	15.2	1.3	7.3
7/17/2010	0:00							
7/18/2010	0:00							
7/19/2010	0555	15.1	1718	1784	1654	15.2	5.5	8.1
7/20/2010	0541	15.1	1717	1732	1883	15.1	3.5	7.8
7/21/2010	0530	15.1	2274	2273	2093	15.2	5.3	7.2
7/22/2010	0610	15.1	2286	2289	2272	15.2	5.4	8.1
7/23/2010	0522	15.1	2283	2290	2357	15.4	3.1	7.8
7/24/2010	0:00							
7/25/2010	0:00							
7/26/2010	0530	15.1	1724	1719	1638	15.0	6.0	7.5
7/27/2010	0543	15.0	2168	2158	2322	15.1	1.5	7.3
7/28/2010	0539	15.0	1718	1742	1776	15.0	1.5	8.9
7/29/2010	0535	15.0	1721	1736	1873	15.1	1.5	8.8
7/30/2010	0620	15.1	1723	1764	1962	15.1	1.1	8.7
7/31/2010	0:00							

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
8/1/2010	0635	15.2	2277	2291	2312	15.3	5.8	8.8
8/2/2010	0546	15.1	2273	2307	2250	15.2	5.4	8.7
8/3/2010	0539	15.0	2167	2173	2110	15.1	6.1	8.4
8/4/2010	0523	15.1	2288	2204	2123	15.2	5.7	8.2
8/5/2010	0521	14.5	2127	2086	2150	15.2	6.7	7.6
8/6/2010	0622	15.2	2247	2081	1981	15.1	5.5	7.3
8/7/2010	0:00							
8/8/2010	0:00							
8/9/2010	0541	15.0	1619	1607	1561	15.1	6.7	7.0
8/10/2010	0557	14.5	2189	1585	1721	15.1	6.8	6.6
8/11/2010	0558	15.5	2170	1904	1676	15.0	6.4	8.2
8/12/2010	0537	15.0	1618	1601	1660	15.4	6.2	7.7
8/13/2010	0515	15.0	1620	1647	1504	15.0	6.1	7.4
8/14/2010	0:00							
8/15/2010	0:00							
8/16/2010	0537	15.0	1616	1611	1586	15.3	6.6	7.0
8/17/2010	0536	14.7	1774	1841	1766	15.4	6.6	6.8
8/18/2010	0545	14.5	1969	2267	2413	14.8	7.0	6.4
8/19/2010	0535	15.1	1969	1990	1912	15.3	6.0	6.2
8/20/2010	0521	15.1	2364	2353	2343	15.2	5.5	5.9
8/21/2010	0:00							
8/22/2010	0:00							
8/23/2010	0541	15.1	2344	2335	2351	15.3	5.6	5.6
8/24/2010	0531	15.1	2367	2355	2279	15.2	5.0	9.0
8/25/2010	0532	15.1	2353	2340	2236	15.9	5.4	8.5
8/26/2010	0534	15.1	2369	2390	2371	15.3	4.7	8.4
8/27/2010	0522	15.1	2482	2405	2378	15.4	5.1	8.2
8/28/2010	0:00							
8/29/2010	0:00							
8/30/2010	0517	15.1	2467	2473	2440	15.4	5.1	7.9
8/31/2010	0517	15.1	2469	2459	2419	15.2	5.1	7.7

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
9/1/2010	0531	15.0	1904	1911	1889	15.4	6.0	7.2
9/2/2010	0519	15.0	1428	1439	1288	15.0	6.6	7.1
9/3/2010	0527	15.0	1419	1922	1822	15.7	5.9	7.0
9/4/2010	0:00							
9/5/2010	0:00							
9/6/2010	0:00							
9/7/2010	0635	14.9	1423	1521	1580	15.1	0.5	6.8
9/8/2010	0620	15.2	1425	1417	1502	15.0	1.9	9.0
9/9/2010	0630	15.3	1425	1487	1752	15.2	1.4	8.3
9/10/2010	0640	15.3	1425	1487	1752	15.2	1.4	8.3
9/11/2010	0:00							
9/12/2010	0:00							
9/13/2010	0539	15.0	1429	1437	1549	15.2	6.6	8.5
9/14/2010	0:00							
9/15/2010	0534	15.0	1456	1449	1409	15.4	5.3	8.0
9/16/2010	0521	15.2	2000	1955	1718	15.4	4.5	8.9
9/17/2010	0632	15.2	2471	2552	2449	15.4	2.0	8.7
9/18/2010	0:00							
9/19/2010	0:00							
9/20/2010	0543	15.1	2306	2281	2192	15.4	4.8	8.2
9/21/2010	0543	15.2	2301	2309	2181	15.3	4.4	6.5
9/22/2010	0550	15.1	2240	2197	2276	15.3	5.7	6.3
9/23/2010	0538	15.1	2246	2249	2247	15.4	5.1	8.9
9/24/2010	0525	15.0	2386	2403	2414	15.2	4.0	7.6
9/25/2010	0:00							
9/26/2010	0:00							
9/27/2010	0537	15.1	2398	2394	2373	15.3	5.2	6.6
9/28/2010	0531	14.9	2409	2746	2535	15.2	3.4	8.4
9/29/2010	0536	14.8	2415	2286	2248	15.0	4.6	7.4
9/30/2010	0526	15.1	2403	2387	2461	15.3	1.2	6.3

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
10/1/2010	0517	15.1	1913	1910	2018	15.2	4.5	6.2
10/2/2010	0:00							
10/3/2010	0:00							
10/4/2010	0537	15.1	1912	1963	1425	15.7	7.0	8.4
10/5/2010	0539	15.1	1914	1906	1521	15.3	5.7	7.8
10/6/2010	0536	15.1	1914	1881	1894	15.1	3.9	7.7
10/7/2010	0539	15.1	1920	1855	1920	15.1	5.5	7.6
10/8/2010	0526	15.1	1925	1888	1960	15.2	6.2	9.0
10/9/2010	0:00							
10/10/2010	0:00							
10/11/2010	0542	15.1	1932	1902	1940	15.1	5.8	8.8
10/12/2010	0555	15.5	1411	2057	901	9.1	4.0	8.7
10/13/2010	0542	15.1	1552	1544	1592	15.3	5.5	8.6
10/14/2010	0531	15.0	1556	1472	1492	15.1	5.8	8.4
10/15/2010	0522	15.1	1946	1911	1880	15.1	5.4	8.4
10/16/2010	0:00							
10/17/2010	0:00							
10/18/2010	0533	15.1	1940	1947	1916	15.6	6.1	8.2
10/19/2010	0529	15.1	2415	2433	2391	15.2	5.0	8.1
10/20/2010	0700	15.6	2436	2542	2157	16.3	5.8	8.0
10/21/2010	0527	15.1	2425	2446	2434	15.1	5.2	7.8
10/22/2010	0522	14.4	2429	2429	2610	15.0	5.0	7.6
10/23/2010	0:00							
10/24/2010	0:00							
10/25/2010	0529	15.1	2286	2308	2290	15.2	5.4	7.2
10/26/2010	0525	15.1	2111	2259	2298	15.1	3.9	8.9
10/27/2010	0538	14.4	2149	2106	2053	14.8	5.6	8.8
10/28/2010	0536	15.2	2196	2239	2288	15.4	5.3	8.2
10/29/2010	0531	15.1	2436	2450	2459	15.1	4.6	8.0
10/30/2010	0:00							
10/31/2010	0:00							

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
11/1/2010	0528	15.0	2423	2479	2424	15.3	5.0	7.7
11/2/2010	0517	15.1	2416	2426	2414	15.2	5.0	7.5
11/3/2010	0555	15.1	2284	2264	2234	15.1	5.2	7.2
11/4/2010	0519	15.1	2278	2271	2297	15.1	5.1	8.6
11/5/2010	0518	15.1	2402	2392	2381	15.1	5.2	8.1
11/6/2010	0:00							
11/7/2010	0:00							
11/8/2010	0556	14.6	2341	2595	2609	15.3	5.5	7.6
11/9/2010	0550	15.1	2344	2365	2349	15.2	4.8	7.3
11/10/2010	0540	15.1	2348	2353	2371	15.2	4.5	9.0
11/11/2010	0:00							
11/12/2010	0625	15.1	2393	2396	2391	15.1	5.0	8.6
11/13/2010	0:00							
11/14/2010	0:00							
11/15/2010	0528	15.1	2028	2010	2018	15.2	5.5	8.1
11/16/2010	0536	15.1	2021	2043	2068	15.2	5.4	8.0
11/17/2010	0630	15.1	2015	2018	1998	15.3	5.5	7.7
11/18/2010	0546	14.8	2017	1916	1925	15.1	5.7	7.5
11/19/2010	0517	15.1	1931	1925	1924	15.1	5.4	7.4
11/20/2010	1115	14.4	2038	2013	2277	15.2	6.2	7.2
11/21/2010	0:00							
11/22/2010	0537	15.4	2037	2197	1662	15.7	5.8	7.1
11/23/2010	0528	15.1	2034	2035	2004	15.1	5.3	6.9
11/24/2010	0531	15.1	2124	2113	2076	15.2	5.3	6.9
11/25/2010	0:00							
11/26/2010	0:00							
11/27/2010	0:00							
11/28/2010	0:00							
11/29/2010	0543	15.1	2308	2161	2173	15.1	5.3	6.7
11/30/2010	0536	15.1	2426	2321	2284	15.1	4.3	8.9

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 2 INFLUENT & EFFLUENT TANKS		
						BACKWASH, SERVICE HEIGHTS & FLOWS		
		INFLUENT	FLOW	FLOW	EFFLUENT	EFFLUENT	BACKWASH TANI	SERVICE
		TANK	FROM	TO	FLOW	TANK	731 & 732	TANK
DATE	TIME	HEIGHT	WELLS	GAC	TO CREEKS	HEIGHT	HEIGHT	HEIGHT
		FEET	GPM	GPM	GPM	FEET	FEET	FEET
12/1/2010	0538	15.1	2421	2430	2406	15.2	4.1	9.0
12/2/2010	0539	15.1	2406	2383	2335	15.1	4.8	8.8
12/3/2010	0625	15.1	2406	2398	2378	15.2	4.3	8.9
12/4/2010	0:00							
12/5/2010	0:00							
12/6/2010	0527	15.2	2086	2143	2494	15.3	5.7	8.7
12/7/2010	0534	15.1	1819	1829	1822	15.2	5.6	8.6
12/8/2010	0613	15.2	2063	1927	1952	15.2	4.1	9.0
12/9/2010	0540	15.0	1823	1816	1878	15.0	6.7	8.6
12/10/2010	0516	15.1	2416	2432	2372	15.1	5.1	8.4
12/11/2010	0:00							
12/12/2010	0:00							
12/13/2010	0602	15.1	2291	2278	2280	15.1	4.4	7.9
12/14/2010	0541	15.1	2311	2295	2296	15.3	4.9	7.7
12/15/2010	0533	15.1	2412	2168	2183	15.1	4.5	7.5
12/16/2010	0943	15.2	2443	2431	2432	15.5	0.4	8.9
12/17/2010	0517	15.1	2399	2403	2440	15.1	4.7	8.7
12/18/2010	0:00							
12/19/2010	0:00							
12/20/2010	0541	15.1	2381	2554	2305	15.2	4.9	8.5
12/21/2010	0529	15.3	2382	2528	2198	15.1	6.5	8.3
12/22/2010	0535	15.1	2371	2377	2381	15.2	4.3	9.0
12/23/2010	0526	15.1	2378	2405	2382	15.1	5.1	8.9
12/24/2010	0:00							
12/25/2010	0:00							
12/26/2010	0:00							
12/27/2010	0544	15.1	2390	2388	2354	15.2	4.8	8.6
12/28/2010	0525	15.1	2390	2400	2389	15.2	4.8	8.5
12/29/2010	0536	15.0	2401	2436	2587	15.3	4.3	9.0
12/30/2010	0535	15.1	2407	2407	2385	15.2	5.0	8.9
12/31/2010	0:00							
COMMENTS :								

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
1/1/2010	0:00								
1/2/2010	0:00								
1/3/2010	0:00								
1/4/2010	0609	OFF	ON	ON	23.0	22.0	0.1	34.0	24.0
1/5/2010	0538	ON	OFF	ON	13.0	18.0	0.5	24.0	20.0
1/6/2010	0545	ON	ON	OFF	24.0	22.0	1.1	35.0	24.0
1/7/2010	0:00								
1/8/2010	0:00								
1/9/2010	0:00								
1/10/2010	0:00								
1/11/2010	0551	ON	ON	OFF	28.0	22.0	3.9	38.0	24.0
1/12/2010	0538	ON	ON	OFF	13.0	15.0	0.1	23.0	18.0
1/13/2010	0541	ON	ON	OFF	16.0	16.0	0.1	26.0	18.0
1/14/2010	0526	ON	OFF	ON	20.0	16.0	3.4	32.0	18.0
1/15/2010	0520	ON	OFF	ON	23.0	15.0	6.6	34.0	18.0
1/16/2010	0710	OFF	ON	ON	10.0	14.0	0.2	21.0	19.0
1/17/2010	0:00								
1/18/2010	0526	ON	OFF	ON	14.0	16.0	0.3	24.0	18.0
1/19/2010	0525	ON	OFF	ON	11.0	15.0	0.1	22.0	18.0
1/20/2010	0559	OFF	ON	ON	21.0	16.0	4.4	32.0	18.0
1/21/2010	0543	ON	ON	OFF	17.0	16.0	1.0	28.0	18.0
1/22/2010	0605	ON	ON	OFF	16.0	16.0	0.1	26.0	18.0
1/23/2010	0:00								
1/24/2010	0:00								
1/25/2010	0606	OFF	ON	ON	18.0	15.0	2.2	30.0	18.0
1/26/2010	0544	ON	ON	OFF	17.0	17.0	0.0	28.0	20.0
1/27/2010	0543	OFF	ON	ON	17.0	15.0	1.4	28.0	18.0
1/28/2010	0551	OFF	ON	ON	18.0	17.0	0.1	28.0	20.0
1/29/2010	0518	ON	ON	OFF	12.0	16.0	0.0	22.0	18.0
1/30/2010	0:00								
1/31/2010	0:00								
COMMENTS :									

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
2/1/2010	0542	ON	ON	OFF	22.0	19.0	3.4	32.0	20.0
2/2/2010	0551	ON	OFF	ON	15.0	15.0	0.0	26.0	19.0
2/3/2010	0546	ON	ON	OFF	11.0	15.0	0.0	24.0	18.0
2/4/2010	0539	OFF	ON	ON	22.0	16.0	5.4	22.0	18.0
2/5/2010	0532	ON	ON	OFF	19.0	16.0	2.3	29.0	18.0
2/6/2010	0:00								
2/7/2010	0:00								
2/8/2010	3557	ON	ON	OFF	11.0	15.0	0.1	22.0	18.0
2/9/2010	3548	ON	ON	OFF	20.0	16.0	3.7	30.0	18.0
2/10/2010	0536	ON	ON	OFF	21.0	16.0	4.6	32.0	18.0
2/11/2010	0538	ON	ON	OFF	13.0	15.0	0.1	24.0	18.0
2/12/2010	0533	ON	ON	OFF	15.0	16.0	0.3	26.0	18.0
2/13/2010	0:00								
2/14/2010	0:00								
2/15/2010	0830	ON	OFF	ON	36.0	24.0	5.6	36.0	27.0
2/16/2010	0741	ON	ON	OFF	16.0	14.0	1.9	28.0	17.0
2/17/2010	0534	OFF	ON	ON	20.0	15.0	4.5	30.0	18.0
2/18/2010	0557	OFF	ON	ON	24.0	15.0	6.9	34.0	18.0
2/19/2010	0528	ON	ON	OFF	16.0	16.0	0.4	28.0	18.0
2/20/2010	0:00								
2/21/2010	0:00								
2/22/2010	0547	OFF	ON	ON	21.0	14.0	5.2	32.0	18.0
2/23/2010	0526	ON	OFF	ON	17.0	15.0	0.8	28.0	18.0
2/24/2010	0542	ON	ON	OFF	9.0	13.0	0.0	21.0	15.0
2/25/2010	0545	ON	OFF	ON	7.0	12.0	0.0	18.0	14.0
2/26/2010	0522	ON	OFF	ON	10.0	12.0	0.2	22.0	15.0
2/27/2010	0:00								
2/28/2010	0:00								

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
3/1/2010	0523	ON	OFF	ON	6.0	12.0	0.0	18.0	15.0
3/2/2010	0534	ON	ON	OFF	14.0	12.0	1.7	26.0	15.0
3/3/2010	0535	ON	OFF	ON	15.0	12.0	2.0	26.0	15.0
3/4/2010	0527	OFF	ON	ON	11.0	12.0	0.6	22.0	15.0
3/5/2010	0522	ON	ON	OFF	9.0	12.0	0.3	20.0	15.0
3/6/2010	0:00								
3/7/2010	0:00								
3/8/2010	0528	ON	OFF	ON	16.0	12.0	4.1	28.0	15.0
3/9/2010	0549	ON	ON	OFF	16.0	13.0	1.8	28.0	15.0
3/10/2010	0541	ON	OFF	ON	11.0	12.0	0.0	22.0	15.0
3/11/2010	0549	ON	ON	OFF	9.0	15.0	0.1	20.0	18.0
3/12/2010	0625	ON	ON	OFF	11.0	17.0	7.2	33.0	21.0
3/13/2010	0:00								
3/14/2010	0:00								
3/15/2010	0525	ON	ON	OFF	17.0	12.0	2.9	28.0	15.0
3/16/2010	0530	ON	ON	OFF	15.0	13.0	1.3	26.0	16.0
3/17/2010	0536	ON	OFF	ON	11.0	12.0	0.1	22.0	15.0
3/18/2010	0537	ON	OFF	ON	9.0	14.0	0.1	21.0	17.0
3/19/2010	0522	ON	ON	OFF	17.0	12.0	4.6	28.0	15.0
3/20/2010	0:00								
3/21/2010	0:00								
3/22/2010	0630	ON	ON	OFF	8.0	13.0	0.0	20.0	16.0
3/23/2010	0529	ON	ON	OFF	20.0	13.0	6.2	30.0	16.0
3/24/2010	0535	ON	OFF	ON	14.0	12.0	0.8	25.0	16.0
3/25/2010	0521	ON	ON	OFF	9.0	12.0	0.3	20.0	15.0
3/26/2010	0514	ON	OFF	ON	19.0	12.0	6.0	30.0	15.0
3/27/2010	0:00								
3/28/2010	0:00								
3/29/2010	0529	ON	ON	OFF	10.0	12.0	0.1	22.0	15.0
3/30/2010	0525	ON	ON	OFF	7.0	12.0	0.1	18.0	15.0
3/31/2010	0525	ON	ON	OFF	17.0	12.0	4.0	28.0	15.0

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
4/1/2010	0528	ON	ON	OFF	15.0	12.0	1.8	26.0	15.0
4/2/2010	0521	ON	ON	OFF	11.0	12.0	0.0	22.0	15.0
4/3/2010	0:00								
4/4/2010	0:00								
4/5/2010	0524	ON	ON	OFF	16.0	12.0	3.4	27.0	15.0
4/6/2010	0544	ON	OFF	ON	10.0	15.0	0.0	22.0	18.0
4/7/2010	0529	ON	OFF	ON	14.0	14.0	0.4	25.0	16.0
4/8/2010	0536	ON	ON	OFF	10.0	12.0	0.1	22.0	16.0
4/9/2010	0536	ON	OFF	ON	8.0	14.0	0.2	20.0	16.0
4/10/2010	0:00								
4/11/2010	0:00								
4/12/2010	0527	ON	ON	OFF	12.0	13.0	0.1	24.0	16.0
4/13/2010	0529	ON	OFF	ON	26.0	15.0	1.0	37.0	17.0
4/14/2010	0528	ON	ON	OFF	24.0	14.0	8.9	35.0	18.0
4/15/2010	0532	ON	ON	OFF	24.0	14.0	9.6	35.0	17.0
4/16/2010	0527	ON	OFF	ON	12.0	10.0	1.4	24.0	14.0
4/17/2010	0828	ON	OFF	ON	6.0	10.0	0.7	17.0	12.0
4/18/2010	0:00								
4/19/2010	0531	ON	OFF	ON	7.0	9.0	0.1	18.0	12.0
4/20/2010	0538	ON	OFF	ON	4.0	9.0	0.1	16.0	12.0
4/21/2010	0528	ON	ON	OFF	10.0	10.0	0.0	20.0	12.0
4/22/2010	0617	ON	ON	OFF	10.0	8.0	0.2	21.0	12.0
4/23/2010	0522	ON	OFF	ON	12.0	10.0	0.5	22.0	14.0
4/24/2010	0:00								
4/25/2010	0:00								
4/26/2010	0535	ON	ON	OFF	15.0	10.0	4.5	26.0	13.0
4/27/2010	0534	ON	OFF	ON	13.0	10.0	2.6	24.0	13.0
4/28/2010	0529	ON	OFF	ON	14.0	9.0	3.2	24.0	13.0
4/29/2010	0528	ON	OFF	ON	15.0	11.0	3.6	10.0	6.0
4/30/2010	0517	ON	OFF	ON	23.0	10.0	12.6	34.0	13.0
COMMENTS :									

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
5/1/2010	0:00								
5/2/2010	0:00								
5/3/2010	0528	ON	ON	OFF	19.0	10.0	8.8	30.0	13.0
5/4/2010	0527	OFF	OFF	ON	15.0	10.0	3.0	26.0	13.0
5/5/2010	0533	ON	OFF	ON	11.0	11.0	0.2	22.0	13.0
5/6/2010	0630	ON	ON	OFF	11.0	10.0	0.2	21.0	14.0
5/7/2010	0625	ON	OFF	ON	10.0	14.0	10.9	24.0	18.0
5/8/2010	0:00								
5/9/2010	0:00								
5/10/2010	0635	ON	ON	OFF	23.0	14.0	8.5	34.0	16.0
5/11/2010	0705	ON	ON	OFF	27.0	18.0	6.8	39.0	22.0
5/12/2010	0645	ON	OFF	ON	23.0	18.0	3.7	34.0	21.0
5/13/2010	0710	ON	OFF	ON	15.0	19.0	0.4	25.0	22.0
5/14/2010	0642	ON	ON	OFF	22.0	25.0	6.6	34.0	28.0
5/15/2010	0:00								
5/16/2010	0:00								
5/17/2010	0535	ON	OFF	ON	23.0	15.0	6.2	34.0	19.0
5/18/2010	0532	ON	ON	OFF	7.0	12.0	0.0	18.0	13.0
5/19/2010	0525	ON	OFF	ON	20.0	16.0	2.7	30.0	18.0
5/20/2010	0526	ON	ON	OFF	15.0	16.0	0.2	25.0	18.0
5/21/2010	0518	ON	ON	OFF	25.0	16.0	8.4	36.0	18.0
5/22/2010	0635	ON	OFF	ON	28.0	17.0	10.0	38.0	20.0
5/23/2010	0:00								
5/24/2010	0529	ON	OFF	ON	17.0	15.0	1.2	28.0	18.0
5/25/2010	0526	ON	OFF	ON	12.0	15.0	0.3	24.0	18.0
5/26/2010	0514	ON	ON	OFF	15.0	15.0	0.1	28.0	18.0
5/27/2010	0530	ON	ON	OFF	16.0	16.0	0.0	28.0	18.0
5/28/2010	0519	ON	ON	OFF	9.0	14.0	0.0	22.0	17.0
5/29/2010	0:00								
5/30/2010	0:00								
5/31/2010	0:00								

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
6/1/2010	0532	ON	ON	OFF	11.0	15.0	0.4	24.0	18.0
6/2/2010	0531	ON	ON	OFF	8.0	15.0	0.1	20.0	18.0
6/3/2010	0525	ON	ON	OFF	25.0	16.0	7.6	37.0	18.0
6/4/2010	0630	ON	ON	OFF	25.0	17.0	7.9	36.0	18.0
6/5/2010	0:00								
6/6/2010	0:00								
6/7/2010	0527	OFF	ON	ON	10.0	15.0	0.1	22.0	18.0
6/8/2010	0527	ON	OFF	ON	5.0	10.0	0.2	17.0	14.0
6/9/2010	0539	ON	OFF	ON	5.0	11.0	0.2	18.0	14.0
6/10/2010	0546	ON	ON	OFF	4.0	11.0	0.1	16.0	14.0
6/11/2010	0622	ON	OFF	ON	6.0	12.0	0.1	18.0	14.0
6/12/2010	0:00								
6/13/2010	0:00								
6/14/2010	0552	ON	ON	OFF	4.0	11.0	0.7	18.0	14.0
6/15/2010	0543	ON	ON	OFF	4.0	11.0	0.7	16.0	14.0
6/16/2010	0517	ON	ON	OFF	9.0	14.0	0.7	20.0	16.0
6/17/2010	0526	ON	OFF	ON	5.0	11.0	0.7	17.0	15.0
6/18/2010	0540	ON	ON	OFF	3.0	10.0	0.3	16.0	12.0
6/19/2010	0:00								
6/20/2010	0:00								
6/21/2010	0:00								
6/22/2010	0534	ON	OFF	ON	4.0	10.0	0.2	26.0	14.0
6/23/2010	0:00								
6/24/2010	0524	OFF	ON	ON	0.0	3.0	0.2	4.0	2.0
6/25/2010	0625	ON	ON	OFF	0.0	4.0	0.2	9.0	12.0
6/26/2010	0:00								
6/27/2010	0:00								
6/28/2010	0517	ON	ON	OFF	9.0	13.0	0.6	22.0	16.0
6/29/2010	0857	ON	ON	OFF	12.0	12.0	0.2	22.0	27.0
6/30/2010	0533	ON	ON	OFF	24.0	12.0	10.3	36.0	16.0

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
7/1/2010	0537	OFF	ON	ON	10.0	12.0	0.9	22.0	16.0
7/2/2010	0525	OFF	ON	ON	17.0	12.0	4.1	30.0	16.0
7/3/2010	0:00								
7/4/2010	0:00								
7/5/2010	0:00								
7/6/2010	0556	ON	OFF	ON	5.0	11.0	0.2	18.0	14.0
7/7/2010	0534	ON	ON	OFF	11.0	12.0	0.4	22.0	16.0
7/8/2010	0529	OFF	OFF	ON	1.0	8.0	0.6	11.0	10.0
7/9/2010	0521	ON	ON	OFF	8.0	10.0	0.2	20.0	14.0
7/10/2010	0:00								
7/11/2010	0:00								
7/12/2010	0525	ON	ON	OFF	24.0	13.0	9.4	37.0	16.0
7/13/2010	0526	OFF	OFF	ON	7.0	12.0	0.2	18.0	16.0
7/14/2010	0538	ON	ON	OFF	7.0	11.0	0.4	18.0	14.0
7/15/2010	0:00								
7/16/2010	0523	ON	ON	OFF	0.0	7.0	0.2	12.0	10.0
7/17/2010	0:00								
7/18/2010	0:00								
7/19/2010	0555	ON	ON	OFF	7.0	9.0	0.1	20.0	12.0
7/20/2010	0541	ON	OFF	ON	2.0	9.0	0.7	16.0	12.0
7/21/2010	0530	ON	OFF	ON	25.0	12.0	12.0	36.0	16.0
7/22/2010	0610	ON	ON	OFF	20.0	12.0	6.6	32.0	16.0
7/23/2010	0522	ON	ON	OFF	25.0	11.0	12.0	38.0	16.0
7/24/2010	0:00								
7/25/2010	0:00								
7/26/2010	0530	ON	ON	OFF	4.0	9.0	0.2	16.0	12.0
7/27/2010	0543	ON	OFF	ON	7.0	11.0	0.1	18.0	15.0
7/28/2010	0539	ON	OFF	ON	3.0	9.0	0.3	15.0	12.0
7/29/2010	0535	ON	OFF	ON	2.0	9.0	0.3	15.0	12.0
7/30/2010	0620	ON	OFF	ON	3.0	9.0	0.1	16.0	14.0
7/31/2010	0:00								

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
8/1/2010	0635	ON	OFF	ON	12.0	17.0	0.3	24.0	20.0
8/2/2010	0546	ON	OFF	ON	12.0	16.0	1.1	24.0	20.0
8/3/2010	0539	ON	OFF	ON	10.0	16.0	0.7	22.0	18.0
8/4/2010	0523	ON	OFF	ON	11.0	16.0	0.1	22.0	18.0
8/5/2010	0521	ON	OFF	ON	9.0	15.0	0.1	20.0	18.0
8/6/2010	0622	ON	OFF	ON	29.0	15.0	12.9	40.0	18.0
8/7/2010	0:00								
8/8/2010	0:00								
8/9/2010	0541	ON	ON	OFF	5.0	10.0	0.0	17.0	14.0
8/10/2010	0557	ON	OFF	ON	4.0	10.0	0.1	16.0	14.0
8/11/2010	0558	ON	ON	OFF	8.0	14.0	0.0	20.0	16.0
8/12/2010	0537	ON	ON	OFF	4.0	11.0	0.1	16.0	14.0
8/13/2010	0515	ON	ON	OFF	4.0	11.0	0.1	16.0	14.0
8/14/2010	0:00								
8/15/2010	0:00								
8/16/2010	0537	ON	OFF	ON	4.0	11.0	0.1	16.0	14.0
8/17/2010	0536	ON	OFF	ON	6.0	13.0	0.5	18.0	16.0
8/18/2010	0545	ON	OFF	ON	10.0	16.0	0.5	22.0	19.0
8/19/2010	0535	ON	ON	OFF	20.0	14.0	4.9	32.0	16.0
8/20/2010	0521	ON	OFF	ON	26.0	18.0	7.2	38.0	20.0
8/21/2010	0:00								
8/22/2010	0:00								
8/23/2010	0541	ON	OFF	ON	21.0	18.0	2.5	33.0	20.0
8/24/2010	0531	ON	ON	OFF	31.0	18.0	12.1	43.0	20.0
8/25/2010	0532	ON	OFF	ON	24.0	18.0	5.0	36.0	20.0
8/26/2010	0534	ON	ON	OFF	29.0	17.0	10.3	42.0	21.0
8/27/2010	0522	OFF	ON	ON	22.0	24.0	9.4	30.0	24.0
8/28/2010	0:00								
8/29/2010	0:00								
8/30/2010	0517	ON	ON	OFF	28.0	19.0	7.4	40.0	22.0
8/31/2010	0517	ON	ON	OFF	32.0	20.0	12.3	44.0	22.0

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
9/1/2010	0531	ON	ON	OFF	7.0	14.0	0.2	20.0	16.0
9/2/2010	0519	ON	ON	OFF	3.0	10.0	0.2	16.0	13.0
9/3/2010	0527	OFF	OFF	ON	7.0	13.0	1.0	20.0	17.0
9/4/2010	0:00								
9/5/2010	0:00								
9/6/2010	0:00								
9/7/2010	0635	ON	OFF	ON	3.0	11.0	1.0	16.0	13.0
9/8/2010	0620	ON	ON	OFF	2.0	10.0	1.0	16.0	15.0
9/9/2010	0630	ON	ON	OFF	3.0	11.0	1.2	16.0	14.0
9/10/2010	0640	ON	OFF	ON	3.0	10.0	0.1	16.0	14.0
9/11/2010	0:00								
9/12/2010	0:00								
9/13/2010	0539	ON	OFF	ON	1.0	9.0	0.1	14.0	12.0
9/14/2010	0:00								
9/15/2010	0534	ON	ON	OFF	2.0	10.0	0.0	15.0	12.0
9/16/2010	0521	ON	ON	OFF	11.0	13.0	0.2	24.0	16.0
9/17/2010	0632	ON	OFF	ON	28.0	19.0	7.6	40.0	27.0
9/18/2010	0:00								
9/19/2010	0:00								
9/20/2010	0543	ON	ON	OFF	17.0	16.0	0.0	30.0	20.0
9/21/2010	0543	ON	ON	OFF	30.0	17.0	12.4	42.0	20.0
9/22/2010	0550	ON	OFF	ON	14.0	15.0	0.6	26.0	18.0
9/23/2010	0538	ON	OFF	ON	17.0	16.0	0.1	19.0	19.0
9/24/2010	0525	ON	ON	OFF	16.0	21.0	0.1	28.0	24.0
9/25/2010	0:00								
9/26/2010	0:00								
9/27/2010	0537	ON	OFF	ON	21.0	18.0	2.7	33.0	20.0
9/28/2010	0531	ON	OFF	ON	16.0	22.0	0.3	28.0	24.0
9/29/2010	0536	ON	OFF	ON	12.0	16.0	0.2	24.0	20.0
9/30/2010	0526	OFF	ON	ON	30.0	17.0	11.7	42.0	20.0

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
10/1/2010	0517	ON	ON	OFF	18.0	13.0	4.1	30.0	16.0
10/2/2010	0:00								
10/3/2010	0:00								
10/4/2010	0537	ON	OFF	ON	8.0	13.0	0.3	21.0	16.0
10/5/2010	0539	ON	ON	OFF	19.0	13.0	5.4	32.0	16.0
10/6/2010	0536	ON	ON	OFF	15.0	13.0	0.9	28.0	16.0
10/7/2010	0539	ON	ON	OFF	12.0	12.0	0.0	25.0	16.0
10/8/2010	0526	ON	ON	OFF	9.0	13.0	0.8	22.0	16.0
10/9/2010	0:00								
10/10/2010	0:00								
10/11/2010	0542	ON	OFF	ON	17.0	13.0	3.3	30.0	16.0
10/12/2010	0555	ON	ON	OFF	4.0	11.0	0.0	16.0	14.0
10/13/2010	0542	ON	ON	OFF	7.0	10.0	0.1	20.0	15.0
10/14/2010	0531	ON	ON	OFF	3.0	9.0	0.1	16.0	12.0
10/15/2010	0522	ON	ON	OFF	20.0	14.0	5.1	32.0	16.0
10/16/2010	0:00								
10/17/2010	0:00								
10/18/2010	0533	ON	OFF	ON	9.0	13.0	0.1	22.0	16.0
10/19/2010	0529	ON	ON	OFF	22.0	18.0	3.0	35.0	20.0
10/20/2010	0700	ON	ON	OFF	17.0	20.0	0.2	30.0	22.0
10/21/2010	0527	ON	ON	OFF	17.0	18.0	0.4	30.0	20.0
10/22/2010	0522	ON	OFF	ON	12.0	17.0	0.0	24.0	20.0
10/23/2010	0:00								
10/24/2010	0:00								
10/25/2010	0529	ON	ON	OFF	17.0	17.0	0.1	30.0	20.0
10/26/2010	0525	ON	OFF	ON	14.0	16.0	0.6	27.0	20.0
10/27/2010	0538	ON	OFF	ON	10.0	14.0	0.1	21.0	18.0
10/28/2010	0536	ON	OFF	ON	25.0	17.0	7.2	37.0	20.0
10/29/2010	0531	ON	ON	OFF	27.0	18.0	7.8	38.0	21.0
10/30/2010	0:00								
10/31/2010	0:00								

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
11/1/2010	0528	ON	OFF	ON	18.0	22.0	0.6	29.0	24.0
11/2/2010	0517	ON	ON	OFF	27.0	18.0	8.5	38.0	21.0
11/3/2010	0555	ON	OFF	ON	22.0	17.0	4.5	34.0	20.0
11/4/2010	0519	ON	OFF	ON	22.0	17.0	3.8	34.0	20.0
11/5/2010	0518	ON	OFF	ON	19.0	18.0	0.1	30.0	20.0
11/6/2010	0:00								
11/7/2010	0:00								
11/8/2010	0556	ON	ON	OFF	15.0	19.0	1.0	26.0	22.0
11/9/2010	0550	ON	OFF	ON	27.0	19.0	6.8	38.0	20.0
11/10/2010	0540	ON	OFF	ON	28.0	17.0	10.5	40.0	20.0
11/11/2010	0:00								
11/12/2010	0625	ON	OFF	ON	25.0	19.0	4.8	36.0	22.0
11/13/2010	0:00								
11/14/2010	0:00								
11/15/2010	0528	ON	OFF	ON	20.0	14.0	5.2	32.0	18.0
11/16/2010	0536	ON	ON	OFF	17.0	14.0	1.2	28.0	18.0
11/17/2010	0630	ON	OFF	ON	17.0	14.0	0.9	30.0	20.0
11/18/2010	0546	ON	ON	OFF	9.0	13.0	0.4	20.0	16.0
11/19/2010	0517	ON	OFF	ON	22.0	14.0	6.8	34.0	16.0
11/20/2010	1115	ON	ON	OFF	9.0	14.0	0.0	20.0	18.0
11/21/2010	0:00								
11/22/2010	0537	ON	OFF	ON	21.0	17.0	3.8	33.0	20.0
11/23/2010	0528	ON	OFF	ON	16.0	16.0	0.4	28.0	19.0
11/24/2010	0531	ON	ON	OFF	14.0	16.0	0.0	26.0	20.0
11/25/2010	0:00								
11/26/2010	0:00								
11/27/2010	0:00								
11/28/2010	0:00								
11/29/2010	0543	ON	ON	OFF	25.0	16.0	7.6	36.0	20.0
11/30/2010	0536	ON	OFF	ON	25.0	18.0	7.1	38.0	20.0

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 3 INFLUENT PUMPS AND PREFILTER PRESSURES				
					RECORD DP FROM COMPUTER				
	PUMP #	110	120	130	*RECORD GAUGE PRESSURE AND ELECTRONIC READOUT*				
DATE	TIME				DIGITAL GAUGE		COMPUTER	PRESSURE GAUGES	
		ON/OFF	ON/OFF	ON/OFF	IN	OUT	DP	IN	OUT
12/1/2010	0538	ON	ON	OFF	28.0	18.0	8.9	40.0	22.0
12/2/2010	0539	ON	OFF	ON	24.0	17.0	5.9	36.0	20.0
12/3/2010	0625	OFF	ON	ON	25.0	17.0	6.7	38.0	21.0
12/4/2010	0:00								
12/5/2010	0:00								
12/6/2010	0527	OFF	ON	ON	23.0	16.0	5.4	34.0	18.0
12/7/2010	0534	ON	ON	OFF	15.0	13.0	1.2	26.0	16.0
12/8/2010	0613	ON	ON	OFF	15.0	14.0	0.5	28.0	16.0
12/9/2010	0540	ON	OFF	ON	16.0	13.0	1.2	28.0	16.0
12/10/2010	0516	ON	OFF	ON	23.0	18.0	4.4	36.0	20.0
12/11/2010	0:00								
12/12/2010	0:00								
12/13/2010	0602	ON	OFF	ON	24.0	17.0	5.7	36.0	20.0
12/14/2010	0541	ON	OFF	ON	22.0	18.0	3.0	34.0	20.0
12/15/2010	0533	ON	ON	OFF	15.0	16.0	0.0	28.0	18.0
12/16/2010	0943	ON	OFF	ON	23.0	18.0	2.9	34.0	20.0
12/17/2010	0517	ON	ON	OFF	24.0	18.0	4.1	36.0	20.0
12/18/2010	0:00								
12/19/2010	0:00								
12/20/2010	0541	ON	ON	OFF	17.0	23.0	3.7	28.0	24.0
12/21/2010	0529	ON	ON	OFF	26.0	20.0	5.5	38.0	22.0
12/22/2010	0535	ON	OFF	ON	22.0	17.0	3.8	34.0	20.0
12/23/2010	0526	ON	OFF	ON	18.0	18.0	0.1	30.0	20.0
12/24/2010	0:00								
12/25/2010	0:00								
12/26/2010	0:00								
12/27/2010	0544	ON	OFF	ON	28.0	18.0	9.6	40.0	20.0
12/28/2010	0525	ON	OFF	ON	25.0	18.0	5.5	36.0	20.0
12/29/2010	0536	ON	OFF	ON	27.0	19.0	7.1	38.0	20.0
12/30/2010	0535	ON	OFF	ON	22.0	18.0	2.7	34.0	20.0
12/31/2010	0:00								

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS										
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
1/1/2010	0:00																				
1/2/2010	0:00																				
1/3/2010	0:00																				
1/4/2010	0609	14.9	740	24.0	16.0	10.0	14.3	751	24.0	17.0	10.0	14.4	770	24.0	15.0	10.0	0.0	0			
1/5/2010	0538	12.4	673	21.0	14.0	9.0	11.9	660	20.0	16.0	9.0	12.4	699	22.0	13.0	9.0	0.0	0			
1/6/2010	0545	14.9	754	24.0	16.0	10.0	14.5	759	24.0	17.0	10.0	14.7	788	24.0	16.0	10.0	0.0	0			
1/7/2010	0:00																				
1/8/2010	0:00																				
1/9/2010	0:00																				
1/10/2010	0:00																				
1/11/2010	0551	15.3	756	24.0	16.0	10.0	15.3	776	24.0	17.0	10.0	15.3	798	25.0	15.0	10.0	0.0	0			
1/12/2010	0538	9.3	553	18.0	13.0	9.0	9.3	576	18.0	14.0	8.0	9.2	582	19.0	12.0	10.0	8.7	575	18.0	14.0	9.0
1/13/2010	0541	9.6	572	18.0	13.0	9.0	9.6	587	18.0	14.0	9.0	9.5	602	19.0	12.0	10.0	5.9	593	18.0	14.0	9.0
1/14/2010	0526	9.5	555	18.0	13.0	9.0	9.3	573	18.0	14.0	9.0	9.2	594	18.0	12.0	10.0	8.8	596	18.0	14.0	10.0
1/15/2010	0520	9.2	552	18.0	13.0	9.0	9.1	569	18.0	14.0	9.0	9.3	601	18.0	12.0	10.0	9.1	583	18.0	14.0	9.0
1/16/2010	0710	7.7	485	18.0	13.0	10.0	7.6	505	18.0	14.0	10.0	7.4	516	18.0	11.0	10.0	7.8	534	18.0	14.0	9.0
1/17/2010	0:00																				
1/18/2010	0526	9.2	550	18.0	13.0	9.0	9.0	558	18.0	14.0	10.0	9.2	590	18.0	12.0	10.0	9.1	604	18.0	14.0	9.0
1/19/2010	0525	9.1	532	18.0	12.0	8.0	8.8	544	18.0	14.0	9.0	8.7	570	18.0	12.0	10.0	8.4	572	18.0	14.0	9.0
1/20/2010	0559	9.0	534	18.0	13.0	9.0	8.8	548	18.0	14.0	10.0	9.0	575	18.0	12.0	10.0	8.9	576	18.0	14.0	9.0
1/21/2010	0543	9.1	532	18.0	13.0	9.0	8.9	556	18.0	14.0	8.0	8.7	569	18.0	12.0	10.0	8.8	568	18.0	14.0	9.0
1/22/2010	0605	9.1	542	18.0	13.0	9.0	9.1	560	18.0	14.0	8.0	9.1	588	18.0	12.0	10.0	8.8	579	18.0	14.0	9.0
1/23/2010	0:00																				
1/24/2010	0:00																				
1/25/2010	0606	8.9	520	18.0	12.0	9.0	8.5	531	18.0	14.0	9.0	8.4	550	18.0	12.0	10.0	8.6	572	18.0	14.0	9.0
1/26/2010	0544	11.0	588	20.0	14.0	10.0	10.2	603	20.0	15.0	9.0	10.2	601	20.0	14.0	10.0	9.8	614	19.0	15.0	10.0
1/27/2010	0543	8.9	528	18.0	13.0	9.0	8.7	539	18.0	14.0	9.0	8.7	560	18.0	12.0	10.0	9.0	580	18.0	14.0	9.0
1/28/2010	0551	10.0	562	20.0	14.0	10.0	9.6	577	20.0	15.0	9.0	9.5	952	20.0	13.0	10.0	9.5	604	20.0	14.0	9.0
1/29/2010	0518	9.2	532	18.0	13.0	9.0	8.7	534	18.0	14.0	9.0	9.1	573	18.0	12.0	10.0	8.9	574	18.0	14.0	9.0
1/30/2010	0:00																				
1/31/2010	0:00																				
COMMENTS	GAC 370 and 380 on line on 1/11/2010.																				

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS										
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
2/1/2010	0542	10.5	584	20.0	14.0	9.0	10.8	601	20.0	15.0	10.0	11.0	632	20.0	13.0	10.0	10.5	627	20.0	15.0	10.0
2/2/2010	0551	9.5	536	18.0	13.0	9.0	9.0	553	18.0	14.0	9.0	9.3	580	18.0	12.0	10.0	9.2	579	18.0	14.0	9.0
2/3/2010	0546	9.2	520	18.0	12.0	9.0	9.0	538	18.0	14.0	8.0	8.9	562	18.0	11.0	9.0	8.7	572	18.0	14.0	9.0
2/4/2010	0539	9.7	534	18.0	13.0	9.0	9.4	556	18.0	14.0	9.0	9.5	582	18.0	12.0	10.0	9.2	580	18.0	14.0	9.0
2/5/2010	0532	9.5	525	18.0	12.0	8.0	9.2	538	18.0	14.0	8.0	9.2	570	18.0	11.0	10.0	8.8	566	18.0	14.0	9.0
2/6/2010	0:00																				
2/7/2010	0:00																				
2/8/2010	3557	10.1	546	18.0	12.0	9.0	9.6	561	18.0	14.0	8.0	9.8	590	20.0	11.0	10.0	9.6	570	18.0	14.0	9.0
2/9/2010	3548	9.5	529	18.0	12.0	9.0	9.1	551	18.0	14.0	9.0	9.3	570	18.0	12.0	10.0	9.1	577	18.0	14.0	9.0
2/10/2010	0536	9.5	531	18.0	12.0	9.0	9.3	551	18.0	14.0	9.0	9.3	580	18.0	12.0	10.0	9.4	579	18.0	14.0	8.0
2/11/2010	0538	8.7	497	18.0	12.0	8.0	8.2	510	17.0	13.0	8.0	8.5	543	18.0	11.0	9.0	8.4	538	17.0	13.0	8.0
2/12/2010	0533	9.4	585	18.0	13.0	9.0	9.0	543	18.0	14.0	9.0	9.2	568	18.0	12.0	10.0	8.9	565	18.0	14.0	9.0
2/13/2010	0:00																				
2/14/2010	0:00																				
2/15/2010	0830	9.2	569	18.0	12.0	9.0	8.7	572	18.0	14.0	8.0	8.7	551	18.0	12.0	9.0	8.8	534	18.0	14.0	8.0
2/16/2010	0741	8.1	535	17.0	13.0	9.0	8.3	550	17.0	14.0	8.0	8.5	559	17.0	11.0	9.0	8.0	518	17.0	13.0	8.0
2/17/2010	0534	8.0	527	17.0	13.0	9.0	7.8	529	17.0	14.0	9.0	7.5	535	18.0	12.0	10.0	8.0	551	17.0	13.0	9.0
2/18/2010	0557	8.5	559	18.0	13.0	9.0	8.3	566	18.0	14.0	9.0	8.5	558	18.0	12.0	10.0	8.5	556	18.0	13.0	9.0
2/19/2010	0528	8.3	559	18.0	13.0	9.0	8.9	571	18.0	14.0	9.0	8.8	577	18.0	12.0	10.0	8.5	571	18.0	14.0	9.0
2/20/2010	0:00																				
2/21/2010	0:00																				
2/22/2010	0547	8.3	538	17.0	13.0	9.0	8.2	543	17.0	14.0	9.0	7.6	543	18.0	14.0	10.0	8.1	554	17.0	13.0	8.0
2/23/2010	0526	8.7	556	18.0	13.0	9.0	8.7	560	18.0	14.0	9.0	8.9	575	18.0	12.0	10.0	8.4	568	18.0	14.0	9.0
2/24/2010	0542	6.4	459	15.0	11.0	8.0	6.5	476	15.0	12.0	8.0	6.5	477	15.0	10.0	9.0	6.7	491	15.0	12.0	8.0
2/25/2010	0545	7.0	470	15.0	12.0	8.0	6.7	481	15.0	12.0	8.0	6.7	492	16.0	10.0	9.0	6.9	499	15.0	12.0	8.0
2/26/2010	0522	6.1	442	14.0	11.0	8.0	6.0	452	14.0	12.0	8.0	6.1	457	15.0	10.0	9.0	6.1	466	14.0	12.0	7.0
2/27/2010	0:00																				
2/28/2010	0:00																				
COMMENTS																					

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS											
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
3/1/2010	0523	6.6	457	15.0	11.0	8.0	6.3	460	14.0	12.0	8.0	6.4	472	16.0	9.0	8.0	6.6	480	14.0	12.0	8.0
3/2/2010	0534	6.3	448	15.0	11.0	8.0	6.1	452	15.0	12.0	8.0	6.5	473	15.0	9.0	8.0	6.6	478	15.0	12.0	8.0
3/3/2010	0535	6.3	449	15.0	11.0	8.0	6.2	447	15.0	12.0	8.0	6.6	470	15.0	9.0	8.0	6.6	470	15.0	12.0	8.0
3/4/2010	0527	6.3	450	15.0	11.0	8.0	6.4	465	14.0	12.0	8.0	6.1	470	15.0	9.0	8.0	6.5	472	14.0	12.0	8.0
3/5/2010	0522	6.6	445	15.0	11.0	8.0	6.3	462	14.0	12.0	8.0	6.4	465	15.0	10.0	8.0	6.6	474	15.0	12.0	8.0
3/6/2010	0:00																				
3/7/2010	0:00																				
3/8/2010	0528	6.5	443	15.0	11.0	8.0	6.7	466	15.0	12.0	8.0	6.4	471	15.0	10.0	9.0	6.7	467	15.0	12.0	8.0
3/9/2010	0549	6.8	459	15.0	12.0	8.0	7.0	471	15.0	13.0	8.0	6.7	472	16.0	10.0	9.0	7.1	467	15.0	12.0	8.0
3/10/2010	0541	6.8	451	15.0	12.0	8.0	6.7	466	15.0	12.0	8.0	6.7	477	15.0	10.0	8.0	7.0	474	15.0	12.0	8.0
3/11/2010	0549	8.6	536	17.0	12.0	8.0	0.0	0	18.0	11.0	9.0	8.4	548	8.0	8.0	6.0	8.7	531	17.0	13.0	8.0
3/12/2010	0625	6.7	460	17.0	12.0	8.0	6.4	451	17.0	12.0	8.0	6.7	482	17.0	11.0	7.0	6.9	465	16.0	13.0	7.0
3/13/2010	0:00																				
3/14/2010	0:00																				
3/15/2010	0525	6.7	443	15.0	11.0	8.0	6.4	454	15.0	12.0	8.0	6.7	475	15.0	9.0	8.0	6.7	448	15.0	11.0	8.0
3/16/2010	0530	7.7	492	15.0	12.0	8.0	7.1	477	15.0	13.0	8.0	7.4	510	16.0	10.0	8.0	7.4	481	16.0	12.0	8.0
3/17/2010	0536	6.6	471	15.0	11.0	8.0	6.2	436	14.0	12.0	8.0	6.6	473	15.0	9.0	8.0	6.7	446	15.0	12.0	8.0
3/18/2010	0537	8.7	564	17.0	12.0	8.0	0.0	0	7.0	8.0	6.0	8.8	558	17.0	11.0	8.0	8.8	521	17.0	12.0	8.0
3/19/2010	0522	6.5	472	15.0	11.0	8.0	6.1	441	14.0	12.0	8.0	6.5	471	15.0	9.0	8.0	6.7	442	15.0	11.0	8.0
3/20/2010	0:00																				
3/21/2010	0:00																				
3/22/2010	0630	7.0	497	15.0	12.0	9.0	7.0	485	15.0	13.0	8.0	7.1	491	16.0	10.0	9.0	7.1	458	15.0	12.0	8.0
3/23/2010	0529	6.7	486	15.0	12.0	8.0	6.6	453	15.0	12.0	8.0	6.9	483	16.0	10.0	8.0	7.1	458	15.0	11.0	8.0
3/24/2010	0535	6.8	480	15.0	12.0	8.0	6.3	450	15.0	12.0	8.0	6.8	480	16.0	10.0	8.0	7.0	452	15.0	11.0	8.0
3/25/2010	0521	6.7	475	15.0	11.0	8.0	6.2	461	14.0	12.0	8.0	6.8	476	16.0	9.0	8.0	6.8	440	15.0	12.0	8.0
3/26/2010	0514	6.4	469	15.0	12.0	8.0	6.4	482	15.0	12.0	8.0	6.7	471	15.0	9.0	8.0	6.7	432	15.0	12.0	8.0
3/27/2010	0:00																				
3/28/2010	0:00																				
3/29/2010	0529	6.5	466	15.0	12.0	8.0	6.6	470	15.0	12.0	8.0	6.3	471	15.0	9.0	8.0	7.0	442	15.0	12.0	8.0
3/30/2010	0525	6.5	467	15.0	11.0	8.0	6.5	476	14.0	12.0	8.0	6.5	462	16.0	9.0	8.0	6.9	430	14.0	11.0	8.0
3/31/2010	0525	6.4	465	15.0	11.0	8.0	6.4	474	15.0	12.0	8.0	6.4	467	15.0	10.0	8.0	7.0	434	15.0	11.0	8.0

COMMENTS

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS										
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
4/1/2010	0528	6.4	468	15.0	12.0	8.0	6.4	471	15.0	12.0	8.0	6.5	470	15.0	10.0	8.0	7.1	439	15.0	11.0	8.0
4/2/2010	0521	6.7	468	15.0	12.0	8.0	6.5	480	15.0	12.0	8.0	6.7	498	16.0	9.0	8.0	7.2	441	15.0	11.0	8.0
4/3/2010	0:00																				
4/4/2010	0:00																				
4/5/2010	0524	6.6	472	15.0	12.0	8.0	6.8	478	15.0	12.0	8.0	6.6	470	15.0	9.0	8.0	7.0	439	15.0	11.0	8.0
4/6/2010	0544	9.7	592	18.0	13.0	9.0	9.1	557	18.0	14.0	10.0	9.5	568	18.0	11.0	10.0	9.7	530	17.0	12.0	9.0
4/7/2010	0529	9.4	566	16.0	12.0	8.0	8.7	560	16.0	14.0	8.0	8.8	700	17.0	10.0	8.0	9.1	511	16.0	12.0	8.0
4/8/2010	0536	6.8	477	15.0	12.0	8.0	6.9	484	15.0	12.0	8.0	6.8	477	16.0	10.0	8.0	7.2	444	15.0	11.0	8.0
4/9/2010	0536	8.0	520	16.0	12.0	8.0	7.8	528	16.0	13.0	8.0	7.8	539	17.0	11.0	9.0	8.0	481	16.0	12.0	8.0
4/10/2010	0:00																				
4/11/2010	0:00																				
4/12/2010	0527	7.6	489	16.0	12.0	8.0	7.2	500	16.0	13.0	8.0	7.2	515	16.0	10.0	9.0	7.8	449	16.0	12.0	8.0
4/13/2010	0529	8.0	773	17.0	10.0		8.0	537	17.0	14.0	8.0	7.9	537	18.0	12.0	10.0	8.8	486	17.0	12.0	8.0
4/14/2010	0528	7.7	766	17.0	10.0		8.1	538	17.0	14.0	8.0	7.9	538	18.0	12.0	10.0	8.6	476	18.0	13.0	8.0
4/15/2010	0532	6.8	709	16.0	10.0		6.3	682	16.0	9.0		6.8	480	16.0	11.0	10.0	7.7	448	16.0	12.0	8.0
4/16/2010	0527	4.6	533	13.0	8.0		4.4	545	12.0	8.0		4.7	381	14.0	8.0	8.0	5.3	348	13.0	10.0	8.0
4/17/2010	0828	4.0	503	12.0	8.0		3.9	497	12.0	8.0		3.9	500	13.0	9.0		5.3	327	12.0	12.0	7.0
4/18/2010	0:00																				
4/19/2010	0531	4.1	510	12.0	8.0		4.1	480	12.0	8.0		3.8	504	13.0	9.0		5.3	330	12.0	10.0	8.0
4/20/2010	0538	3.9	492	12.0	8.0		3.9	491	12.0	8.0		3.8	492	13.0	9.0		5.4	316	12.0	10.0	8.0
4/21/2010	0528	4.0	505	12.0	8.0		4.0	512	12.0	8.0		4.1	512	13.0	9.0		5.3	341	12.0	10.0	7.0
4/22/2010	0617	4.1	471	12.0	8.0		3.8	490	12.0	8.0		3.6	487	12.0	8.0		5.3	318	11.0	9.0	7.0
4/23/2010	0522	4.2	516	13.0	9.0		4.2	523	13.0	8.0		4.2	519	14.0	9.0		5.3	343	13.0	10.0	8.0
4/24/2010	0:00																				
4/25/2010	0:00																				
4/26/2010	0535	4.2	512	13.0	8.0		4.1	506	12.0	8.0		4.0	498	13.0	9.0		5.3	334	13.0	10.0	7.0
4/27/2010	0534	4.3	509	12.0	8.0		4.1	509	12.0	8.0		3.9	490	13.0	9.0		5.3	337	13.0	10.0	7.0
4/28/2010	0529	4.1	504	13.0	8.0		4.0	491	12.0	8.0		3.9	485	14.0	9.0		5.3	325	12.0	10.0	7.0
4/29/2010	0528	4.8	551	7.0	6.0		4.8	546	6.0	6.0		4.7	539	8.0	8.0		5.7	354	14.0	11.0	8.0
4/30/2010	0517	4.5	522	13.0	8.0		4.3	515	13.0	8.0		4.2	513	14.0	8.0		5.3	336	13.0	10.0	8.0

COMMENTS

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS										
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
5/1/2010	0:00																				
5/2/2010	0:00																				
5/3/2010	0528	4.6	511	13.0	8.0		4.4	510	13.0	8.0		4.0	495	13.0	8.0		5.3	334	13.0	10.0	8.0
5/4/2010	0527	5.1	512	13.0	8.0		4.4	511	13.0	8.0		3.8	481	14.0	10.0		5.5	348	13.0	10.0	8.0
5/5/2010	0533	4.3	495	13.0	8.0		4.4	508	13.0	8.0		4.1	498	13.0	9.0		5.3	335	13.0	10.0	8.0
5/6/2010	0:00	4.3	515	13.0	8.0		4.5	519	13.0	8.0		4.4	541	14.0	8.0		5.5	350	15.0	10.0	8.0
5/7/2010	0625	6.0	616	18.0	8.0		5.7	615	16.0	7.0		5.6	614	18.0	8.0		7.2	409	18.0	12.0	8.0
5/8/2010	0:00																				
5/9/2010	0:00																				
5/10/2010	0635	6.7	634	18.0	8.0		6.2	633	16.0	9.0		6.1	627	17.0	8.0		7.8	406	15.0	11.0	7.0
5/11/2010	0705	11.5	630	20.0	14.0	10.0	10.9	632	20.0	14.0	10.0	10.3	609	21.0	13.0	9.0	11.6	556	21.0	14.0	8.0
5/12/2010	0645	10.9	659	20.0	15.0	9.0	10.5	611	20.0	14.0	11.0	10.4	592	20.0	14.0	10.0	11.1	558	20.0	14.0	9.0
5/13/2010	0710	13.0	719	21.0	15.0	10.0	12.4	711	21.0	14.0	11.0	10.9	608	22.0	18.0	9.0	13.7	615	21.0	14.0	8.0
5/14/2010	0642	10.6	650	22.0	16.0	10.0	10.0	620	22.0	16.0	10.0	10.3	582	21.0	18.0	10.0	11.1	543	21.0	15.0	8.0
5/15/2010	0:00																				
5/16/2010	0:00																				
5/17/2010	0535	9.3	583	18.0	14.0	9.0	8.8	578	18.0	13.0	10.0	8.8	569	18.0	14.0	8.0	9.8	200	18.0	13.0	8.0
5/18/2010	0532	6.1	451	14.0	12.0	8.0	6.0	448	14.0	11.0	9.0	5.9	235	15.0	12.0	6.0	6.5	390	15.0	12.0	8.0
5/19/2010	0525	9.2	595	18.0	14.0	9.0	9.0	577	18.0	13.0	10.0	8.9	570	18.0	14.0	8.0	9.7	499	18.0	13.0	8.0
5/20/2010	0526	9.3	587	18.0	14.0	9.0	8.9	574	18.0	13.0	10.0	8.8	558	18.0	14.0	8.0	9.5	497	18.0	13.0	8.0
5/21/2010	0518	9.1	591	18.0	14.0	9.0	9.2	577	18.0	13.0	10.0	8.6	557	19.0	14.0	8.0	9.9	497	18.0	13.0	8.0
5/22/2010	0635	9.8	612	20.0	14.0	9.0	9.5	592	19.0	14.0	10.0	9.4	583	20.0	13.0	9.0	10.3	510	20.0	13.0	8.0
5/23/2010	0:00																				
5/24/2010	0529	8.9	574	18.0	13.0	9.0	8.3	552	17.0	12.0	10.0	8.6	545	18.0	14.0	7.0	8.8	555	18.0	14.0	8.0
5/25/2010	0526	9.2	572	18.0	13.0	9.0	8.4	553	17.0	12.0	10.0	8.5	529	18.0	14.0	7.0	8.3	527	18.0	14.0	9.0
5/26/2010	0514	8.8	572	18.0	13.0	9.0	8.9	563	18.0	12.0	10.0	8.7	541	18.0	14.0	7.0	8.7	559	18.0	14.0	9.0
5/27/2010	0530	9.3	582	18.0	14.0	9.0	9.0	566	18.0	12.0	10.0	8.8	548	18.0	14.0	7.0	8.8	548	18.0	14.0	9.0
5/28/2010	0519	8.4	546	17.0	13.0	8.0	8.4	539	17.0	12.0	10.0	8.2	532	18.0	13.0	7.0	8.3	540	17.0	14.0	8.0
5/29/2010	0:00																				
5/30/2010	0:00																				
5/31/2010	0:00																				
COMMENTS																					

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS											
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
6/1/2010	0532	8.4	559	18.0	13.0	9.0	8.5	550	17.0	12.0	10.0	8.5	535	18.0	14.0	7.0	8.5	543	17.0	14.0	8.0
6/2/2010	0531	8.3	541	18.0	13.0	9.0	8.2	536	17.0	12.0	10.0	8.2	515	20.0	14.0	7.0	8.5	536	18.0	13.0	8.0
6/3/2010	0525	9.2	572	18.0	14.0	9.0	8.8	558	18.0	13.0	10.0	8.4	534	20.0	14.0	8.0	9.0	552	18.0	13.0	8.0
6/4/2010	0630	9.5	582	18.0	13.0	9.0	9.2	572	18.0	13.0	10.0	9.1	556	18.0	13.0	7.0	9.4	564	18.0	13.0	8.0
6/5/2010	0:00																				
6/6/2010	0:00																				
6/7/2010	0527	9.4	595	18.0	14.0	9.0	9.1	564	18.0	13.0	10.0	8.7	544	19.0	14.0	8.0	9.3	556	18.0	14.0	8.0
6/8/2010	0527	5.3	428	13.0	10.0	8.0	5.5	419	13.0	10.0	8.0	5.5	402	14.0	11.0	6.0	5.7	428	13.0	12.0	8.0
6/9/2010	0539	5.5	443	14.0	11.0	8.0	5.6	420	14.0	10.0	9.0	5.6	413	15.0	11.0	6.0	6.2	437	14.0	12.0	8.0
6/10/2010	0546	5.9	426	14.0	11.0	8.0	5.3	413	14.0	10.0	9.0	5.1	386	15.0	10.0	6.0	5.9	425	14.0	12.0	8.0
6/11/2010	0622	5.9	452	14.0	11.0	8.0	6.1	442	14.0	10.0	9.0	6.1	425	16.0	10.0	7.0	6.4	447	14.0	12.0	9.0
6/12/2010	0:00																				
6/13/2010	0:00																				
6/14/2010	0552	5.8	440	14.0	11.0	8.0	5.5	421	14.0	10.0	9.0	5.6	403	15.0	11.0	6.0	6.0	435	14.0	12.0	8.0
6/15/2010	0543	6.0	443	14.0	11.0	8.0	5.9	421	14.0	10.0	9.0	5.4	403	14.0	11.0	6.0	6.0	436	14.0	11.0	8.0
6/16/2010	0517	8.1	534	16.0	12.0	8.0	7.6	498	16.0	12.0	10.0	7.8	490	17.0	13.0	8.0	8.4	522	16.0	13.0	8.0
6/17/2010	0526	5.7	440	15.0	11.0	8.0	5.9	419	14.0	10.0	9.0	5.6	406	15.0	11.0	6.0	6.1	437	14.0	11.0	8.0
6/18/2010	0540	4.3	366	12.0	10.0	8.0	4.5	354	12.0	9.0	8.0	4.4	351	13.0	10.0	6.0	5.3	387	12.0	10.0	7.0
6/19/2010	0:00																				
6/20/2010	0:00																				
6/21/2010	0:00																				
6/22/2010	0534	5.1	400	14.0	10.0	8.0	5.0	386	13.0	10.0	9.0	4.9	360	14.0	10.0	6.0	5.3	548	13.0	8.0	
6/23/2010	0:00																				
6/24/2010	0524	2.5	240	6.0	4.0	2.0	1.7	199	6.0	4.0	2.0	0.5	99	8.0	4.0		5.4	294	5.0	5.0	
6/25/2010	0625	0.6	88	11.0	6.0	4.0	0.3	72	9.0	4.0	3.0	0.5	110	9.0	4.0		5.4	139	5.0	4.0	
6/26/2010	0:00																				
6/27/2010	0:00																				
6/28/2010	0517	6.3	464	15.0	12.0	8.0	6.0	444	15.0	11.0	10.0	5.8	612	16.0	7.0		5.7	602	15.0	9.0	
6/29/2010	0857	4.9	496	17.0	11.0		5.1	372	17.0	10.0	9.0	4.8	539	17.0	7.0		5.3	561	15.0	9.0	
6/30/2010	0533	5.8	651	15.0	9.0		5.8	416	14.0	11.0	10.0	5.4	583	16.0	8.0		5.4	584	14.0	8.0	
COMMENTS	6/21/10 GAC unit 380 off line for carbon change. 6/23/10 GAC unit 350 off line for carbon change. 6/28/10 GAC 310 off line for carbon change.																				

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS										
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
7/1/2010	0537	5.6	654	15.0	9.0		5.8	420	14.0	11.0	9.0	5.2	583	15.0	7.0		5.4	579	15.0	9.0	
7/2/2010	0525	5.8	661	15.0	9.0		5.7	420	15.0	11.0	10.0	5.3	578	15.0	7.0		5.5	581	15.0	8.0	
7/3/2010	0:00																				
7/4/2010	0:00																				
7/5/2010	0:00																				
7/6/2010	0556	4.8	564	14.0	9.0		4.4	349	14.0	11.0	10.0	4.5	501	14.0	7.0		5.4	520	14.0	9.0	
7/7/2010	0534	5.7	655	15.0	10.0		5.7	417	16.0	11.0	10.0	5.2	563	16.0	8.0		5.5	577	15.0	9.0	
7/8/2010	0529	1.9	325	10.0	8.0		1.7	185	10.0	8.0	8.0	1.7	258	10.0	6.0		5.4	376	10.0	8.0	
7/9/2010	0521	5.5	594	14.0	8.0		4.9	371	13.0	10.0	9.0	4.5	517	14.0	6.0		5.5	537	12.0	8.0	
7/10/2010	0:00																				
7/11/2010	0:00																				
7/12/2010	0525	6.0	674	16.0	10.0		6.2	433	16.0	12.0	10.0	5.7	594	16.0	8.0		6.1	576	16.0	10.0	
7/13/2010	0526	5.6	630	15.0	9.0		5.1	611	14.0	8.0		4.7	533	15.0	7.0		5.4	525	14.0	8.0	
7/14/2010	0538	4.4	577	15.0	8.0		4.7	561	14.0	10.0		4.6	488	15.0	7.0		5.3	485	13.0	8.0	
7/15/2010	0:00																				
7/16/2010	0523	2.5	365	12.0	8.0		2.3	373	10.0	8.0		2.2	317	11.0	6.0		6.4	358	9.0	7.0	
7/17/2010	0:00																				
7/18/2010	0:00																				
7/19/2010	0555	3.4	460	15.0	8.0		3.4	478	12.0	8.0		3.3	417	12.0	6.0		5.3	427	11.0	8.0	
7/20/2010	0541	3.1	451	14.0	8.0		3.4	467	11.0	9.0		3.2	401	12.0	6.0		5.4	424	11.0	8.0	
7/21/2010	0530	5.4	613	15.0	9.0		5.2	602	14.0	12.0		5.0	527	15.0	8.0		5.3	535	14.0	9.0	
7/22/2010	0610	5.7	612	16.0	9.0		4.9	597	14.0	10.0		5.0	522	15.0	7.0		5.7	544	14.0	9.0	
7/23/2010	0522	5.4	597	15.0	9.0		5.1	596	14.0	10.0		5.1	535	15.0	7.0		5.3	542	14.0	9.0	
7/24/2010	0:00																				
7/25/2010	0:00																				
7/26/2010	0530	3.3	449	14.0	8.0		3.3	456	12.0	9.0		3.2	396	12.0	6.0		5.4	421	11.0	7.0	
7/27/2010	0543	5.5	580	15.0	9.0		5.0	567	14.0	12.0		4.9	502	15.0	7.0		5.3	512	14.0	8.0	
7/28/2010	0539	3.4	452	14.0	8.0		3.4	463	12.0	9.0		3.5	396	12.0	6.0		5.3	425	12.0	8.0	
7/29/2010	0535	3.6	444	15.0	8.0		3.2	470	12.0	9.0		3.4	400	12.0	6.0		5.4	415	11.0	8.0	
7/30/2010	0620	3.4	462	13.0	7.0		3.3	445	12.0	9.0		3.4	391	12.0	5.0		5.4	482	12.0	7.0	
7/31/2010	0:00																				
COMMENTS																					

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS											
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
8/1/2010	0635	9.8	602	20.0	14.0	9.0	9.9	591	20.0	15.0	10.0	9.6	560	20.0	14.0	9.0	10.1	551	20.0	14.0	9.0
8/2/2010	0546	10.2	597	19.0	16.0	10.0	9.8	595	18.0	14.0	9.0	9.6	556	20.0	12.0	10.0	10.3	554	19.0	14.0	9.0
8/3/2010	0539	9.1	563	18.0	13.0	9.0	8.8	563	18.0	14.0	8.0	8.9	527	18.0	11.0	10.0	9.3	520	18.0	14.0	9.0
8/4/2010	0523	9.6	574	18.0	13.0	9.0	9.1	567	18.0	14.0	9.0	8.8	523	19.0	11.0	10.0	9.8	548	18.0	14.0	9.0
8/5/2010	0521	8.5	540	18.0	13.0	9.0	8.6	541	17.0	14.0	8.0	8.1	494	18.0	10.0	9.0	8.7	518	17.0	14.0	8.0
8/6/2010	0622	8.4	540	17.0	13.0	9.0	8.1	534	17.0	13.0	9.0	8.0	493	18.0	11.0	9.0	8.5	498	18.0	14.0	8.0
8/7/2010	0:00																				
8/8/2010	0:00																				
8/9/2010	0541	5.4	410	15.0	10.0	8.0	5.6	424	13.0	11.0	7.0	5.6	386	14.0	8.0	7.0	6.0	400	13.0	12.0	8.0
8/10/2010	0557	5.9	421	16.0	10.0	8.0	5.7	531	13.0	11.0	7.0	5.5	381	14.0	8.0	7.0	5.8	372	13.0	12.0	7.0
8/11/2010	0558	7.3	483	16.0	12.0	9.0	7.5	510	16.0	12.0	8.0	7.4	457	16.0	10.0	9.0	7.8	466	16.0	14.0	8.0
8/12/2010	0537	5.9	411	15.0	10.0	8.0	5.6	418	14.0	12.0	7.0	5.5	377	14.0	8.0	7.0	6.0	399	13.0	12.0	7.0
8/13/2010	0515	5.7	423	15.0	10.0	8.0	5.8	427	14.0	12.0	7.0	5.8	381	14.0	8.0	7.0	6.4	412	14.0	12.0	8.0
8/14/2010	0:00																				
8/15/2010	0:00																				
8/16/2010	0537	5.7	410	15.0	10.0	8.0	5.8	424	14.0	11.0	7.0	5.7	386	14.0	8.0	8.0	6.0	392	13.0	12.0	8.0
8/17/2010	0536	7.5	485	16.0	12.0	8.0	7.0	486	15.0	12.0	8.0	7.3	441	16.0	9.0	8.0	7.6	448	16.0	14.0	8.0
8/18/2010	0545	10.6	593	19.0	13.0	9.0	9.8	598	18.0	14.0	8.0	10.1	545	19.0	11.0	9.0	10.8	548	18.0	15.0	8.0
8/19/2010	0535	8.4	513	16.0	12.0	9.0	8.1	515	16.0	13.0	8.0	7.6	457	17.0	10.0	9.0	8.3	472	17.0	14.0	8.0
8/20/2010	0521	11.1	619	20.0	14.0	10.0	10.7	624	20.0	15.0	9.0	10.6	564	20.0	12.0	10.0	11.0	550	20.0	15.0	9.0
8/21/2010	0:00																				
8/22/2010	0:00																				
8/23/2010	0541	11.0	620	20.0	14.0	10.0	10.8	610	20.0	15.0	8.0	10.9	563	20.0	12.0	10.0	11.1	548	20.0	16.0	9.0
8/24/2010	0531	11.4	622	20.0	14.0	10.0	10.9	620	20.0	15.0	9.0	10.7	561	21.0	12.0	10.0	11.5	558	20.0	16.0	9.0
8/25/2010	0532	11.1	618	20.0	14.0	10.0	10.8	617	20.0	15.0	9.0	10.8	564	21.0	12.0	10.0	11.3	555	20.0	15.0	9.0
8/26/2010	0534	11.6	626	20.0	14.0	10.0	11.0	617	20.0	15.0	9.0	10.7	560	21.0	12.0	10.0	11.6	552	21.0	16.0	9.0
8/27/2010	0522	12.4	650	25.0	17.0	9.0	12.2	627	26.0	18.0	10.0	13.5	649	25.0	15.0	12.0	12.0	571	26.0	18.0	10.0
8/28/2010	0:00																				
8/29/2010	0:00																				
8/30/2010	0517	12.5	656	22.0	14.0	10.0	12.0	645	22.0	16.0	9.0	11.8	586	22.0	13.0	10.0	12.4	567	22.0	16.0	9.0
8/31/2010	0517	12.6	655	22.0	15.0	10.0	12.0	647	22.0	16.0	9.0	11.8	593	22.0	12.0	10.0	12.4	565	22.0	16.0	9.0
COMMENTS																					

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS											
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
9/1/2010	0531	8.0	498	16.0	12.0	8.0	8.5	506	16.0	13.0	8.0	8.4	467	17.0	9.0	8.0	8.6	451	16.0	13.0	8.0
9/2/2010	0519	5.4	368	15.0	10.0	8.0	5.1	378	13.0	11.0	7.0	5.2	327	14.0	8.0	7.0	5.7	350	13.0	11.0	7.0
9/3/2010	0527	8.3	512	17.0	12.0	9.0	8.3	508	17.0	13.0	8.0	7.7	442	17.0	10.0	9.0	9.0	470	17.0	13.0	8.0
9/4/2010	0:00																				
9/5/2010	0:00																				
9/6/2010	0:00																				
9/7/2010	0635	5.6	410	15.0	11.0	6.0	5.9	394	15.0	10.0	6.0	5.9	359	14.0	10.0	8.0	6.2	384	13.0	11.0	7.0
9/8/2010	0620	5.1	365	15.0	10.0	6.0	4.8	391	13.0	10.0	5.0	5.0	332	14.0	9.0	8.0	5.4	352	14.0	11.0	7.0
9/9/2010	0630	4.9	401	15.0	10.0	6.0	5.3	376	14.0	11.0	5.0	4.9	320	14.0	8.0	7.0	5.7	358	14.0	10.0	7.0
9/10/2010	0640	4.8	385	15.0	10.0	7.0	4.9	382	13.0	10.0	6.0	4.8	386	15.0	8.0	6.0	5.3	365	14.0	10.0	7.0
9/11/2010	0:00																				
9/12/2010	0:00																				
9/13/2010	0539	4.4	364	13.0	10.0	8.0	4.4	370	12.0	10.0	7.0	4.3	356	13.0	8.0	8.0	5.4	361	12.0	11.0	7.0
9/14/2010	0:00																				
9/15/2010	0534	4.2	370	14.0	12.0	8.0	4.4	372	12.0	10.0	8.0	4.6	361	13.0	8.0	8.0	5.3	360	12.0	11.0	7.0
9/16/2010	0521	7.5	511	16.0	14.0	9.0	7.1	501	16.0	13.0	8.0	6.5	475	16.0	10.0	9.0	7.7	460	16.0	14.0	8.0
9/17/2010	0632	11.4	664	21.0	15.0	10.0	10.9	650	20.0	16.0	10.0	10.8	632	22.0	12.0	11.0	11.5	588	22.0	16.0	9.0
9/18/2010	0:00																				
9/19/2010	0:00																				
9/20/2010	0543	9.7	603	19.0	14.0	10.0	9.6	511	18.0	15.0	9.0	9.5	576	20.0	12.0	10.0	10.2	542	19.0	14.0	9.0
9/21/2010	0543	10.1	602	19.0	14.0	10.0	9.3	580	19.0	15.0	9.0	9.2	571	20.0	12.0	10.0	9.9	535	19.0	14.0	9.0
9/22/2010	0550	9.1	567	18.0	13.0	9.0	9.0	571	18.0	14.0	8.0	8.5	554	18.0	12.0	10.0	9.3	511	18.0	14.0	9.0
9/23/2010	0538	9.2	579	18.0	14.0	10.0	9.1	569	18.0	14.0	8.0	9.1	564	19.0	12.0	10.0	9.2	518	18.0	14.0	9.0
9/24/2010	0525	11.5	672	23.0	16.0	11.0	12.6	705	23.0	17.0	11.0	11.5	685	23.0	14.0	12.0	10.5	572	23.0	18.0	10.0
9/25/2010	0:00																				
9/26/2010	0:00																				
9/27/2010	0537	10.3	618	20.0	12.0	10.0	10.0	620	20.0	16.0	9.0	10.2	601	20.0	12.0	10.0	10.6	550	20.0	16.0	9.0
9/28/2010	0531	13.7	719	23.0	16.0	11.0	13.3	708	23.0	18.0	10.0	12.4	701	24.0	14.0	12.0	13.1	642	23.0	18.0	10.0
9/29/2010	0536	9.8	593	20.0	14.0	10.0	9.5	585	18.0	15.0	9.0	9.4	572	20.0	12.0	10.0	9.9	520	19.0	14.0	9.0
9/30/2010	0526	10.4	614	20.0	14.0	10.0	10.5	617	20.0	16.0	9.0	10.1	610	20.0	14.0	10.0	10.5	554	20.0	16.0	9.0

COMMENTS

former NEBRASKA ORDNANCE PLANT OU-2 GTP — **SHEET # 4 GAC VESSELS**

		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
10/1/2010	0517	7.4	482	16.0	12.0	9.0	7.0	494	16.0	13.0	8.0	6.6	469	16.0	10.0	9.0	7.5	411	16.0	13.0	8.0
10/2/2010	0:00																				
10/3/2010	0:00																				
10/4/2010	0537	7.1	480	16.0	12.0	8.0	7.0	489	15.0	13.0	8.0	7.0	473	16.0	10.0	9.0	7.4	438	15.0	13.0	8.0
10/5/2010	0539	7.4	489	16.0	12.0	9.0	7.1	485	16.0	13.0	8.0	7.1	482	16.0	10.0	9.0	7.6	440	16.0	13.0	8.0
10/6/2010	0536	7.3	485	16.0	12.0	9.0	7.0	491	16.0	13.0	8.0	6.7	475	16.0	10.0	9.0	7.7	450	16.0	13.0	8.0
10/7/2010	0539	7.0	473	16.0	12.0	9.0	7.2	486	16.0	13.0	8.0	7.0	477	16.0	10.0	9.0	7.5	444	15.0	13.0	8.0
10/8/2010	0526	7.1	470	15.0	12.0	9.0	7.0	486	15.0	12.0	8.0	6.8	477	16.0	10.0	9.0	7.4	436	15.0	13.0	8.0
10/9/2010	0:00																				
10/10/2010	0:00																				
10/11/2010	0542	7.5	481	16.0	12.0	9.0	7.3	490	16.0	13.0	8.0	7.0	486	16.0	10.0	9.0	7.7	440	15.0	13.0	8.0
10/12/2010	0555	8.0	530	14.0	10.0	8.0	7.8	527	14.0	11.0	6.0	8.4	518	15.0	8.0	7.0	8.8	487	13.0	11.0	6.0
10/13/2010	0542	5.1	379	15.0	10.0	8.0	5.2	392	13.0	11.0	6.0	5.1	391	14.0	8.0	8.0	5.6	360	13.0	11.0	7.0
10/14/2010	0531	4.9	370	15.0	10.0	8.0	4.9	379	12.0	11.0	7.0	4.8	381	14.0	8.0	8.0	5.4	350	12.0	11.0	7.0
10/15/2010	0522	7.8	496	16.0	12.0	8.0	7.4	495	16.0	13.0	8.0	7.2	492	16.0	10.0	9.0	8.0	451	16.0	13.0	8.0
10/16/2010	0:00																				
10/17/2010	0:00																				
10/18/2010	0533	7.8	499	16.0	12.0	8.0	7.4	502	22.0	13.0	8.0	7.2	489	16.0	10.0	9.0	8.0	445	16.0	13.0	8.0
10/19/2010	0529	11.3	629	20.0	14.0	10.0	10.5	620	20.0	16.0	9.0	10.6	619	20.0	13.0	10.0	11.3	549	20.0	14.0	9.0
10/20/2010	0700	12.3	668	21.0	16.0	12.0	11.8	654	22.0	16.0	10.0	11.7	653	23.0	14.0	11.0	12.8	572	23.0	15.0	10.0
10/21/2010	0527	11.4	631	20.0	14.0	10.0	10.9	627	20.0	16.0	10.0	10.6	618	21.0	13.0	10.0	11.5	556	21.0	15.0	9.0
10/22/2010	0522	11.4	636	20.0	14.0	10.0	10.6	624	20.0	15.0	9.0	10.7	619	21.0	12.0	10.0	11.6	569	20.0	14.0	9.0
10/23/2010	0:00																				
10/24/2010	0:00																				
10/25/2010	0529	10.3	597	20.0	14.0	10.0	10.3	529	20.0	15.0	9.0	9.8	587	20.0	12.0	10.0	10.7	524	20.0	14.0	9.0
10/26/2010	0525	10.2	578	19.0	14.0	9.0	9.6	575	18.0	13.0	8.0	9.7	574	20.0	12.0	10.0	10.1	546	19.0	14.0	9.0
10/27/2010	0538	8.9	534	18.0	12.0	9.0	8.2	527	17.0	13.0	8.0	8.5	524	18.0	10.0	9.0	9.2	504	17.0	14.0	8.0
10/28/2010	0536	10.0	571	20.0	14.0	10.0	9.7	568	20.0	15.0	10.0	9.3	562	20.0	12.0	10.0	10.0	546	20.0	14.0	9.0
10/29/2010	0531	11.3	626	20.0	14.0	10.0	11.1	622	20.0	16.0	10.0	10.9	616	21.0	13.0	10.0	11.4	580	21.0	15.0	9.0
10/30/2010	0:00																				
10/31/2010	0:00																				

COMMENTS:

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS											
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
11/1/2010	0528	14.5	696	24.0	16.0	11.0	13.5	698	24.0	17.0	10.0	11.0	640	24.0	15.0	12.0	13.3	655	24.0	17.0	10.0
11/2/2010	0517	11.7	618	20.0	14.0	10.0	10.9	612	20.0	16.0	9.0	10.6	613	21.0	13.0	10.0	11.4	576	21.0	15.0	9.0
11/3/2010	0555	10.4	583	19.0	14.0	9.0	10.0	574	19.0	15.0	9.0	9.7	569	20.0	12.0	10.0	10.2	545	19.0	14.0	9.0
11/4/2010	0519	10.4	580	20.0	14.0	9.0	10.0	574	20.0	15.0	9.0	9.7	576	20.0	12.0	10.0	10.1	542	20.0	15.0	9.0
11/5/2010	0518	11.3	608	20.0	14.0	10.0	10.6	616	20.0	16.0	10.0	10.6	610	21.0	13.0	10.0	11.6	572	21.0	16.0	9.0
11/6/2010	0:00																				
11/7/2010	0:00																				
11/8/2010	0556	12.7	660	22.0	15.0	10.0	12.8	664	22.0	16.0	10.0	12.3	661	23.0	14.0	10.0	12.7	606	22.0	16.0	10.0
11/9/2010	0550	11.1	599	20.0	14.0	10.0	10.8	599	20.0	15.0	10.0	10.3	594	20.0	13.0	10.0	11.1	562	20.0	15.0	10.0
11/10/2010	0540	10.8	629	20.0	14.0	10.0	10.3	587	20.0	15.0	10.0	10.1	586	20.0	12.0	10.0	10.8	549	20.0	15.0	10.0
11/11/2010	0:00																				
11/12/2010	0625	11.1	649	20.0	15.0	10.0	10.7	595	20.0	15.0	10.0	10.3	591	21.0	12.0	10.0	11.2	558	20.0	14.0	10.0
11/13/2010	0:00																				
11/14/2010	0:00																				
11/15/2010	0528	8.7	543	17.0	12.0	9.0	8.5	503	17.0	13.0	8.0	8.0	501	18.0	10.0	10.0	8.8	471	17.0	13.0	8.0
11/16/2010	0536	8.6	548	17.0	12.0	9.0	8.1	498	17.0	13.0	8.0	8.0	497	18.0	10.0	9.0	8.8	473	17.0	13.0	8.0
11/17/2010	0630	8.6	522	17.0	11.0	9.0	8.3	500	17.0	12.0	8.0	8.2	493	18.0	10.0	9.0	8.9	472	17.0	12.0	8.0
11/18/2010	0546	7.3	515	16.0	12.0	8.0	8.0	476	16.0	12.0	8.0	7.3	472	18.0	10.0	9.0	8.3	450	16.0	12.0	8.0
11/19/2010	0517	8.2	526	16.0	12.0	8.0	8.4	470	16.0	12.0	8.0	8.0	479	17.0	10.0	9.0	8.8	437	17.0	13.0	8.0
11/20/2010	1115	9.3	558	18.0	12.0	8.0	8.7	481	17.0	13.0	8.0	9.1	494	18.0	10.0	9.0	9.9	459	17.0	12.0	8.0
11/21/2010	0:00																				
11/22/2010	0537	10.8	605	20.0	14.0	10.0	10.7	520	19.0	14.0	9.0	10.2	537	20.0	12.0	10.0	11.3	514	19.0	14.0	8.0
11/23/2010	0528	9.6	565	18.0	13.0	9.0	9.3	490	18.0	13.0	8.0	9.2	503	18.0	11.0	10.0	9.8	477	18.0	14.0	8.0
11/24/2010	0531	10.2	582	18.0	13.0	9.0	10.1	511	18.0	14.0	8.0	9.8	521	19.0	11.0	10.0	10.9	496	19.0	14.0	8.0
11/25/2010	0:00																				
11/26/2010	0:00																				
11/27/2010	0:00																				
11/28/2010	0:00																				
11/29/2010	0543	10.6	594	19.0	14.0	9.0	10.2	517	19.0	14.0	8.0	10.2	536	20.0	12.0	10.0	10.6	500	19.0	14.0	8.0
11/30/2010	0536	10.7	597	20.0	14.0	9.0	10.2	608	19.0	14.0	9.0	10.3	541	20.0	12.0	10.0	10.9	502	20.0	14.0	8.0

COMMENTS

former NEBRASKA ORDNANCE PLANT OU-2 GTP										SHEET # 4 GAC VESSELS										
		COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES	COMPUTER		GAGES	GAGES	GAGES
	GAC NO.	310 & 320	310 & 320	310 & 320	320 LEAD	310 LAG	330 & 340	330 & 340	330 & 340	340 LEAD	330 LAG	350 & 360	350 & 360	350 & 360	360 LEAD	350 LAG	370 & 380	370 & 380	370 & 380	380 LEAD	370 LAG
DATE	TIME	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES	PAIR DP	FLOW	INLET PRES	DISCH PRES	DISCH PRES
		PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI	PSI	GPM	PSI	PSI	PSI
12/1/2010	0538	11.7	633	21.0	15.0	10.0	10.8	641	21.0	16.0	10.0	10.8	625	21.0	14.0	10.0	11.8	592	21.0	15.0	9.0
12/2/2010	0539	11.5	625	20.0	14.0	10.0	11.0	631	20.0	16.0	10.0	10.7	625	21.0	14.0	10.0	11.5	527	21.0	15.0	9.0
12/3/2010	0625	11.1	615	20.0	14.0	10.0	10.5	623	20.0	16.0	10.0	10.2	613	20.0	14.0	10.0	11.0	563	20.0	16.0	10.0
12/4/2010	0:00																				
12/5/2010	0:00																				
12/6/2010	0527	9.5	542	18.0	13.0	9.0	9.1	554	18.0	14.0	9.0	8.6	531	19.0	12.0	10.0	9.6	512	18.0	14.0	8.0
12/7/2010	0534	7.0	458	15.0	10.0	8.0	6.9	473	15.0	12.0	8.0	6.5	459	16.0	10.0	9.0	7.5	435	16.0	12.0	8.0
12/8/2010	0613	7.3	503	16.0	12.0	8.0	7.3	490	16.0	13.0	8.0	7.0	472	16.0	10.0	10.0	8.0	445	16.0	13.0	8.0
12/9/2010	0540	7.1	473	16.0	12.0	8.0	6.7	461	16.0	13.0	8.0	6.5	446	16.0	10.0	9.0	7.5	431	16.0	13.0	8.0
12/10/2010	0516	10.8	640	20.0	15.0	10.0	10.7	620	20.0	16.0	10.0	10.6	609	20.0	13.0	10.0	11.3	554	20.0	16.0	9.0
12/11/2010	0:00																				
12/12/2010	0:00																				
12/13/2010	0602	10.2	599	19.0	14.0	9.0	10.8	591	19.0	15.0	9.0	9.6	569	20.0	12.0	10.0	10.3	524	19.0	15.0	9.0
12/14/2010	0541	10.3	607	20.0	14.0	9.0	10.0	585	20.0	15.0	9.0	9.6	573	20.0	13.0	10.0	10.6	534	19.0	15.0	9.0
12/15/2010	0533	9.4	578	18.0	13.0	8.0	9.1	568	18.0	14.0	9.0	8.8	544	18.0	12.0	10.0	9.5	503	18.0	14.0	8.0
12/16/2010	0943	11.6	640	20.0	15.0	10.0	10.6	629	20.0	16.0	10.0	11.0	611	21.0	13.0	10.0	11.4	564	21.0	16.0	9.0
12/17/2010	0517	11.1	638	20.0	14.0	10.0	10.6	621	20.0	16.0	10.0	10.6	601	20.0	13.0	10.0	11.3	542	20.0	15.0	9.0
12/18/2010	0:00																				
12/19/2010	0:00																				
12/20/2010	0541	12.8	687	22.0	16.0	10.0	12.1	660	23.0	18.0	10.0	10.0	587	23.0	15.0	12.0	12.5	595	23.0	17.0	10.0
12/21/2010	0529	12.4	668	22.0	16.0	10.0	11.8	640	21.0	16.0	10.0	11.6	637	22.0	14.0	10.0	12.5	573	21.0	16.0	10.0
12/22/2010	0535	10.8	617	20.0	14.0	9.0	10.4	614	20.0	16.0	10.0	10.7	609	20.0	13.0	10.0	12.4	549	20.0	16.0	10.0
12/23/2010	0526	11.0	622	20.0	14.0	10.0	10.1	607	20.0	16.0	10.0	10.5	612	20.0	13.0	10.0	11.0	554	20.0	16.0	9.0
12/24/2010	0:00																				
12/25/2010	0:00																				
12/26/2010	0:00																				
12/27/2010	0544	11.2	625	20.0	14.0	10.0	10.7	614	20.0	16.0	10.0	10.5	606	22.0	13.0	10.0	11.4	546	20.0	16.0	9.0
12/28/2010	0525	11.0	620	20.0	14.0	10.0	10.6	611	20.0	16.0	10.0	10.4	600	21.0	13.0	10.0	11.4	543	20.0	16.0	9.0
12/29/2010	0536	11.5	635	21.0	15.0	10.0	10.9	624	20.0	16.0	10.0	10.9	610	22.0	14.0	10.0	11.5	572	21.0	16.0	9.0
12/30/2010	0535	11.2	633	20.0	15.0	10.0	10.9	619	20.0	16.0	9.0	10.3	608	20.0	13.0	10.0	11.3	560	21.0	16.0	9.0
12/31/2010	0:00																				
COMMENTS																					

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE								
Gallons multiplied by 1000 on Totalizer														
														GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL				SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE				BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER		TOTALIZER	
1/1/2010													
1/2/2010													
1/3/2010													
1/4/2010													
1/5/2010													
1/6/2010	380	Off Line	0721	0735	948	22.0	4,814,789.0	12,947				1976.610	0.000
1/7/2010													
1/8/2010													
1/9/2010													
1/10/2010													
1/11/2010													
1/12/2010													
1/13/2010													
1/14/2010													
1/15/2010													
1/16/2010													
1/17/2010													
1/18/2010													
1/19/2010													
1/20/2010													
1/21/2010													
1/22/2010													
1/23/2010													
1/24/2010													
1/25/2010													
1/26/2010													
1/27/2010													
1/28/2010													
1/29/2010													
1/30/2010													
1/31/2010													
							TOTAL	12,947					

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE							
Gallons multiplied by 1000 on Totalizer													
													GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL				SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE				BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER		TOTALIZER	
2/1/2010													
2/2/2010													
2/3/2010													
2/4/2010													
2/5/2010													
2/6/2010													
2/7/2010													
2/8/2010													
2/9/2010													
2/10/2010													
2/11/2010	320	Lead	0740	0753	1044	20.5	4,827,850.0	13,057	6	6		2341.060	69.910
2/12/2010	340	Lead	0635	0648	1032	20.5	4,840,840.0	12,990	4	4		2273.890	60.880
2/13/2010													
2/14/2010													
2/15/2010	360	Lead	0934	0945	1047	20.5	4,853,868.0	13,027	6	6		2267.620	40.750
2/16/2010	380	Lead	0826	0840	953	21.5	4,866,861.0	12,992	4	4		2006.650	30.040
2/17/2010													
2/18/2010													
2/19/2010													
2/20/2010													
2/21/2010													
2/22/2010													
2/23/2010													
2/24/2010													
2/25/2010													
2/26/2010													
2/27/2010													
2/28/2010													
							TOTAL	52,066					
COMMENTS :													

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE								
Gallons multiplied by 1000 on Totalizer														
														GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL				SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE				BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER		TOTALIZER	
3/1/2010													
3/2/2010													
3/3/2010													
3/4/2010													
3/5/2010													
3/6/2010													
3/7/2010													
3/8/2010													
3/9/2010													
3/10/2010													
3/11/2010													
3/12/2010													
3/13/2010													
3/14/2010													
3/15/2010													
3/16/2010	320	Lead	0658	0711	987	21.0	4,879,985.0	13,137	3	4		2364.650	23.590
3/17/2010													
3/18/2010													
3/19/2010													
3/20/2010													
3/21/2010													
3/22/2010	340	Lead	0735	0747	1077	20.0	4,893,300.0	13,385	3	2		2299.490	25.600
3/23/2010													
3/24/2010													
3/25/2010													
3/26/2010													
3/27/2010													
3/28/2010													
3/29/2010													
3/30/2010													
3/31/2010													
							TOTAL	26,522					

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE							
Gallons multiplied by 1000 on Totalizer													
													GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL				SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE				BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER		TOTALIZER	
4/1/2010													
4/2/2010													
4/3/2010													
4/4/2010													
4/5/2010													
4/6/2010													
4/7/2010													
4/8/2010	360	Lead	0911	0924	1065	20.0	4,906,388	13,098	6	6		2303.980	36.360
4/9/2010													
4/10/2010													
4/11/2010													
4/12/2010													
4/13/2010													
4/14/2010													
4/15/2010													
4/16/2010													
4/17/2010													
4/18/2010													
4/19/2010													
4/20/2010													
4/21/2010													
4/22/2010													
4/23/2010													
4/24/2010													
4/25/2010													
4/26/2010													
4/27/2010	320	Lag	0638	0651	1012	20.5	4,927,033	11,937				1st time after carbon change	
4/28/2010	320	Lag	0639	0649	1070	20.0	4,937,353	10,320				2nd time after carbon change	
4/29/2010	340	Lag	0808	0827	1062	20.0	4,956,140	18,777				1st time after carbon change	
4/30/2010													
							TOTAL	54,132					
COMMENTS :													

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE							
Gallons multiplied by 1000 on Totalizer													
													GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL				SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE				BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER		TOTALIZER	
5/1/2010													
5/2/2010													
5/3/2010													
5/4/2010													
5/5/2010													
5/6/2010	340	Lag	0718	0728	1055	20.5	4,966,754.0	10,614				2nd time after carbon change	
5/7/2010	360	Lag	0739	0751.	1047	20.5	4,977,796.0	11,042				1st time after carbon change	
5/8/2010													
5/9/2010													
5/10/2010	360	Lag	0752	0806	1022	20.5	4,989,692.0	11,696				2nd time after carbon change	
5/11/2010	310	Lead	0748	0759	951	20.5	4,999,442.0	9,750	6	5		2405.930	211.070
5/12/2010	330	Lead	0754	0805	1053	20.5	5,009,513.0	10,070	6	7		2334.680	200.380
5/13/2010													
5/14/2010	350	lead	0755	0807	1023	20.5	5,019,485.0	9,972	3	4		2330.840	205.030
5/15/2010													
5/16/2010													
5/17/2010													
5/18/2010													
5/19/2010													
5/20/2010													
5/21/2010													
5/22/2010	380	Lead	0941	0953	941	21.0	5,029,878.0	10,413	7	6		2066.960	90.350
5/23/2010													
5/24/2010													
5/25/2010													
5/26/2010													
5/27/2010													
5/28/2010													
5/29/2010													
5/30/2010													
5/31/2010													
							TOTAL	73,557					

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE								
Gallons multiplied by 1000 on Totalizer														
														GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL				SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE				BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER		TOTALIZER	
6/1/2010													
6/2/2010													
6/3/2010													
6/4/2010	310	Lead	0820	0834	1053	20.5	5,040,052.0	10,174	5	4		2425.850	19.920
6/5/2010													
6/6/2010													
6/7/2010													
6/8/2010													
6/9/2010													
6/10/2010													
6/11/2010													
6/12/2010													
6/13/2010													
6/14/2010													
6/15/2010													
6/16/2010													
6/17/2010													
6/18/2010													
6/19/2010													
6/20/2010													
6/21/2010													
6/22/2010													
6/23/2010													
6/24/2010													
6/25/2010													
6/26/2010													
6/27/2010													
6/28/2010													
6/29/2010													
6/30/2010	310	Lag	0834	0843	1052	20.0	5,055,537.0	10,384				First time after carbon change	
							TOTAL	20,558					
COMMENTS :													

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE								
Gallons multiplied by 1000 on Totalizer														
														GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL				SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE				BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER		TOTALIZER	
7/1/2010													
7/2/2010													
7/3/2010													
7/4/2010													
7/5/2010													
7/6/2010	310	Lag	0857	0907	1052	19.5	5,065,862.0	10,325				Second time after carbon change	
7/7/2010													
7/8/2010	350	Lag	0756	0806	1054	20.0	5,076,026.0	10,164				First time after carbon change	
7/9/2010													
7/10/2010													
7/11/2010													
7/12/2010													
7/13/2010													
7/14/2010													
7/15/2010													
7/16/2010	350	Lag	0616	0626	1089	19.0	5,088,110.0	10,439				Second time after carbon change	
7/17/2010													
7/18/2010													
7/19/2010													
7/20/2010													
7/21/2010													
7/22/2010													
7/23/2010													
7/24/2010													
7/25/2010													
7/26/2010													
7/27/2010	380	Lag	0744	0755	970	20.5	5,098,781.0	10,671				First time after carbon change	
7/28/2010	380	Lag	0741	0752	1017	20.0	5,109,270.0	10,489				Second time after carbon change	
7/29/2010	330	Lag	0647	0657	1009	20.0	5,119,560.0	10,290				First time after carbon change	
7/30/2010	330	Lag	707	715	1067	19.5	5,129,459.0	9,899				Second time after carbon change	
7/31/2010													
							TOTAL	72,277					

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE								
Gallons multiplied by 1000 on Totalizer														
														GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL				SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE				BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER		TOTALIZER	
8/1/2010													
8/2/2010													
8/3/2010													
8/4/2010													
8/5/2010													
8/6/2010													
8/7/2010													
8/8/2010													
8/9/2010													
8/10/2010													
8/11/2010													
8/12/2010													
8/13/2010													
8/14/2010													
8/15/2010													
8/16/2010													
8/17/2010													
8/18/2010													
8/19/2010													
8/20/2010													
8/21/2010													
8/22/2010													
8/23/2010													
8/24/2010													
8/25/2010													
8/26/2010													
8/27/2010													
8/28/2010													
8/29/2010													
8/30/2010													
8/31/2010													
							TOTAL	-					

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE							
Gallons multiplied by 1000 on Totalizer													
													GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL PRESSURE				SINCE LAST
DATE			START	STOP	COMPUTER GPM	PSI	TOTALIZER	FLOW	BEFORE	AFTER		TOTALIZER	BACKWASH
9/1/2010													
9/2/2010													
9/3/2010													
9/4/2010													
9/5/2010													
9/6/2010													
9/7/2010	320	Lead	0714	0726	1034	20.0	5,139,694.0	10,229	4	5		2494.760	130.110
9/8/2010	340	Lead	0716	0727	1046	20.5	5,149,753.0	10,059	2	3		2417.520	118.030
9/9/2010	360	Lead	0709	0719	1044	20.5	5,159,836.0	10,083	4	3		2411.220	107.260
9/10/2010	380	Lead	0717	0728	952	21.0	5,170,423.0	10,587	4	1		2143.780	76.820
9/11/2010													
9/12/2010													
9/13/2010													
9/14/2010													
9/15/2010	320	Lead	0817	0824	1060	19.5	5,180,455.0	10,031	2	2		2498.780	4.020
9/16/2010													
9/17/2010													
9/18/2010													
9/19/2010													
9/20/2010													
9/21/2010													
9/22/2010	340	Lead	0711	0721	1045	20.0	5,190,064.0	9,611	4	4		2426.450	8.930
9/23/2010													
9/24/2010													
9/25/2010													
9/26/2010													
9/27/2010	360	Lead	0749	0804	990	20.5	5,204,318.0	14,252	6	10		2423.580	12.360
9/28/2010													
9/29/2010													
9/30/2010													
							TOTAL	74,852					
COMMENTS :													

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE								
Gallons multiplied by 1000 on Totalizer														
														GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL				SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE				BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER		TOTALIZER	Million Gallons
10/1/2010													
10/2/2010													
10/3/2010													
10/4/2010													
10/5/2010													
10/6/2010													
10/7/2010	360	Lead	0751	0804	1036	20.5	5,217,267.0	12,949	6	6		2430.940	7.360
10/8/2010													
10/9/2010													
10/10/2010													
10/11/2010													
10/12/2010													
10/13/2010													
10/14/2010													
10/15/2010													
10/16/2010													
10/17/2010													
10/18/2010													
10/19/2010													
10/20/2010													
10/21/2010													
10/22/2010													
10/23/2010													
10/24/2010													
10/25/2010	380	Lead	0824	0835	952	20.5	5,228,025.0	10,756	6	5		2173.570	29.790
10/26/2010													
10/27/2010													
10/28/2010													
10/29/2010													
10/30/2010													
10/31/2010													
							TOTAL	23,705					
COMMENTS :													

former NEBRASKA ORDNANCE PLANT OU-2 GTF			SHEET # 5 BACKWASH CYCLE									
Gallons multiplied by 1000 on Totalizer												
												GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL			SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE			BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER	TOTALIZER	
11/1/2010												
11/2/2010												
11/3/2010												
11/4/2010												
11/5/2010												
11/6/2010												
11/7/2010												
11/8/2010												
11/9/2010	320	Lead	0801	0811	1051	19.0	5,238,281.0	10,256	6	6	2542.390	43.610
11/10/2010												
11/11/2010												
11/12/2010												
11/13/2010												
11/14/2010												
11/15/2010												
11/16/2010												
11/17/2010												
11/18/2010												
11/19/2010												
11/20/2010												
11/21/2010												
11/22/2010												
11/23/2010												
11/24/2010												
11/25/2010												
11/26/2010												
11/27/2010												
11/28/2010												
11/29/2010	340	Lead	0746	0756	1049	19.5	5,248,533.0	10,252	5	5	2479.040	52.590
11/30/2010	360	Lead	0741	0751	1038	19.5	5,258,653.0	10,120	8	7	2472.620	41.680
							TOTAL	30,628				

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTF						SHEET # 5 BACKWASH CYCLE							
Gallons multiplied by 1000 on Totalizer													
													GALLONS PUMPED
	GAC VESSEL NO.	LEAD OR LAG	TIME		723			TOTAL	GAC DIFFERENTIAL				SINCE LAST
DATE					COMPUTER			FLOW	PRESSURE				BACKWASH
			START	STOP	GPM	PSI	TOTALIZER		BEFORE	AFTER		TOTALIZER	
12/1/2010													
12/2/2010	380	Lead	0816	0827	1007	20.0	5,269,023.0	10,369	6	4		2202.010	28.440
12/3/2010													
12/4/2010													
12/5/2010													
12/6/2010													
12/7/2010	320	Lead	0755	0805	1066	19.5	5,279,018.0	9,995	5	8		2565.170	22.780
12/8/2010													
12/9/2010													
12/10/2010													
12/11/2010													
12/12/2010													
12/13/2010													
12/14/2010													
12/15/2010	340	Lead	0754	0804	1034	19.0	5,289,237.0	10,219	4	4		2491.790	12.750
12/16/2010													
12/17/2010													
12/18/2010													
12/19/2010													
12/20/2010													
12/21/2010	360	Lead	0804	0815	1032	19.5	5,299,361.0	10,124	8	7		2489.110	16.490
12/22/2010													
12/23/2010													
12/24/2010													
12/25/2010													
12/26/2010													
12/27/2010													
12/28/2010	380	Lead	0754	0806	944	21.0	5,309,726.0	10,365	4	5		221.060	19.050
12/29/2010													
12/30/2010													
12/31/2010													
							TOTAL	51,072					

COMMENTS : _____

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS							
Gallons multiplied by 1,000,000 on Totalizer													
		WAHOO CREEK						CLEAR CREEK					
	PUMP NO.	921		922			724			725			
DATE	TIME	COMPUTER		COMPUTER			COMPUTER			COMPUTER			
		GPM	PSI	GPM	PSI	TOTALIZER	GPM	PSI		GPM	PSI		TOTALIZER
1/1/2010	0:00					6,944.374							1,709.928
1/2/2010	0:00												
1/3/2010	0:00												
1/4/2010	0609			1417	22.0	6,951.160				659	0.8		1712.730
1/5/2010	0538			891	18.0	6,952.760				669	1.1		1,713.660
1/6/2010	0545			1658	29.0	6,954.990				656	0.9		1,714.610
1/7/2010	0:00												
1/8/2010	0:00												
1/9/2010	0:00												
1/10/2010	0:00												
1/11/2010	0551			2245	52.0	6,962.600				115	3.4		1,717.380
1/12/2010	0538			1542	27.0	6,964.800				658	1.8		1,718.400
1/13/2010	0541			1690	30.0	6,967.190				659	1.8		1,719.350
1/14/2010	0526			1624	28.0	6,969.550				662	1.8		1,720.300
1/15/2010	0520			1633	28.0	6,971.960				662	1.8		1,721.240
1/16/2010	0710			1320	27.0	6,974.630				666	1.9		1,722.270
1/17/2010	0:00												
1/18/2010	0526			1602	28.0	6,979.120				664	1.8		1,724.110
1/19/2010	0525			1431	22.0	6,981.460				670	1.8		1,725.060
1/20/2010	0559			1519	24.0	6,983.840				668	1.8		1,726.040
1/21/2010	0543			1416	24.0	6,986.110				670	1.8		1,726.990
1/22/2010	0605			1586	26.0	6,988.430				666	1.8		1,727.960
1/23/2010	0:00												
1/24/2010	0:00												
1/25/2010	0606			1563	24.0	6,995.380				675	1.8		1,730.860
1/26/2010	0544			1916	38.0	6,997.610				672	1.6		1,731.820
1/27/2010	0543			1290	20.0	6,999.880				680	1.8		1,732.790
1/28/2010	0551			1626	32.0	7,002.080				677	1.8		1,733.780
1/29/2010	0518			1308	20.0	7,004.270				682	1.8		1,734.730
1/30/2010	0:00												
1/31/2010	0:00												
					TOTAL	66.866					TOTAL		27.732
COMMENTS :											Both pumps		
											TOTAL		94.598

former NEBRASKA ORDNANCE PLANT OU-2 GTP					SHEET # 6 EFFLUENT PUMPS							
Gallons multiplied by 1,000,000 on Totalizer												
		WAHOO CREEK						CLEAR CREEK				
	PUMP NO.	921		922			724			725		
DATE	TIME	COMPUTER		COMPUTER			COMPUTER			COMPUTER		
		GPM	PSI	GPM	PSI	TOTALIZER	GPM	PSI		GPM	PSI	TOTALIZER
2/1/2010	0542			1746	32.0	7,011.240				675	1.6	1,737.660
2/2/2010	0551			1548	25.0	7,013.550				679	1.8	1,738.640
2/3/2010	0546			1516	24.0	7,015.950				680	1.8	1,739.610
2/4/2010	0539			1570	26.0	7,018.150				677	1.8	1,740.580
2/5/2010	0532			1478	24.0	7,020.360				678	1.8	1,741.550
2/6/2010	0:00											
2/7/2010	0:00											
2/8/2010	3557			1457	24.0	7,027.030				682	1.8	1,744.490
2/9/2010	3548			1514	26.0	7,029.250				677	1.8	1,745.460
2/10/2010	0536			1539	24.0	7,031.440				677	1.8	1,746.430
2/11/2010	0538			1255	20.0	7,033.490				682	1.9	1,747.410
2/12/2010	0533			1590	29.0	7,035.640				677	1.8	1,748.380
2/13/2010	0:00											
2/14/2010	0:00											
2/15/2010	0830			1514	27.0	7,042.750				678	1.7	1,751.470
2/16/2010	0741			1816	36.0	7,044.750				675	1.6	1,752.360
2/17/2010	0534			1452	25.0	7,046.790				679	1.6	1,753.250
2/18/2010	0557			1539	26.0	7,049.070				680	1.6	1,754.240
2/19/2010	0528			1611	26.0	7,051.290				647	1.6	1,755.200
2/20/2010	0:00											
2/21/2010	0:00											
2/22/2010	0547			1514	24.0	7,058.010				675	1.6	1,758.130
2/23/2010	0526			1582	26.0	7,060.220				677	1.6	1,759.100
2/24/2010	0542			1210	22.0	7,062.160				685	1.8	1,760.090
2/25/2010	0545			1299	24.0	7,063.840				681	1.8	1,761.070
2/26/2010	0522			1123	20.0	7,065.340				683	1.8	1,762.040
2/27/2010	0:00											
2/28/2010	0:00											
					TOTAL	59.080					TOTAL	27.330
COMMENTS :											Both pumps	
											TOTAL	86.410

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS							
Gallons multiplied by 1,000,000 on Totalizer													
		WAHOO CREEK						CLEAR CREEK					
	PUMP NO.	921		922				724		725			
DATE	TIME	COMPUTER		COMPUTER				COMPUTER		COMPUTER			
		GPM	PSI	GPM	PSI	TOTALIZER		GPM	PSI	GPM	PSI	TOTALIZER	
3/1/2010	0523			1379	24.0	7,070.320				681	1.7	1,764.990	
3/2/2010	0534			1158	20.0	7,071.980				684	1.8	1,765.980	
3/3/2010	0535			1170	20.0	7,073.640				685	1.8	1,766.970	
3/4/2010	0527			1175	20.0	7,075.300				682	1.8	1,767.950	
3/5/2010	0522			1132	20.0	7,076.940				683	1.8	1,768.930	
3/6/2010	0:00												
3/7/2010	0:00												
3/8/2010	0528			1139	20.0	7,081.920				684	1.8	1,771.890	
3/9/2010	0549			1176	22.0	7,083.620				682	1.8	1,772.890	
3/10/2010	0541			1155	20.0	7,085.270				681	1.8	1,773.860	
3/11/2010	0549			803	18.0	7,086.610				694	1.8	1,774.850	
3/12/2010	0625			1185	22.0	7,088.310				681	1.8	1,775.880	
3/13/2010	0:00												
3/14/2010	0:00												
3/15/2010	0525			1107	20.0	7,092.840				722	3.5	1,778.890	
3/16/2010	0530			1118	20.0	7,094.430				722	3.6	1,779.940	
3/17/2010	0536			1123	20.0	7,096.010				720	3.6	1,780.980	
3/18/2010	0537			832	13.0	7,097.590				725	3.6	1,782.020	
3/19/2010	0522			1098	20.0	7,099.160				719	3.6	1,783.050	
3/20/2010	0:00												
3/21/2010	0:00												
3/22/2010	0630			207	12.0	7,102.060				205	3.6	1,785.690	
3/23/2010	0529			1740	30.0	7,104.440				130	3.8	1,785.910	
3/24/2010	0535			1230	20.0	7,106.370				647	1.0	1,786.650	
3/25/2010	0521			1225	20.0	7,108.050				653	1.4	1,787.580	
3/26/2010	0514			1207	20.0	7,109.750				659	1.4	1,788.520	
3/27/2010	0:00												
3/28/2010	0:00												
3/29/2010	0529			1174	20.0	7,114.860				658	1.4	1,791.370	
3/30/2010	0525			1192	20.0	7,116.590				657	1.6	1,792.320	
3/31/2010	0525			1169	20.0	7,118.300				656	1.6	1,793.260	
					TOTAL	49.680					TOTAL		29.220
COMMENTS :											Both pumps		
											TOTAL		78.900

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS							
Gallons multiplied by 1,000,000 on Totalizer													
		WAHOO CREEK						CLEAR CREEK					
	PUMP NO.	921		922			724			725			
DATE	TIME	COMPUTER		COMPUTER			COMPUTER			COMPUTER			
		GPM	PSI	GPM	PSI	TOTALIZER	GPM	PSI		GPM	PSI	TOTALIZER	
4/1/2010	0528			1179	20.0	7,120.000				657	1.5	1,794.210	
4/2/2010	0521			1204	22.0	7,121.780				659	1.4	1,795.150	
4/3/2010	0:00												
4/4/2010	0:00												
4/5/2010	0524			1162	20.0	7,126.890				659	1.4	1,797.990	
4/6/2010	0544			472	10.0	7,128.720				670	1.6	1,798.940	
4/7/2010	0529			1414	24.0	7,130.380				705	3.2	1,799.930	
4/8/2010	0536			1195	26.0	7,132.100				703	3.2	1,800.950	
4/9/2010	0536			1443	32.0	7,133.780				703	3.4	1,801.970	
4/10/2010	0:00												
4/11/2010	0:00												
4/12/2010	0527			1253	20.0	7,139.020				701	3.4	1,805.010	
4/13/2010	0529			1630	28.0	7,141.240				702	3.2	1,806.020	
4/14/2010	0528			1568	26.0	7,143.570				698	3.2	1,807.020	
4/15/2010	0532			1674	27.0	7,145.900				695	3.2	1,808.020	
4/16/2010	0527			1126	18.0	7,147.720				703	3.2	1,809.030	
4/17/2010	0828			1098	20.0	7,149.580				694	3.0	1,810.160	
4/18/2010	0:00												
4/19/2010	0531			1178	20.0	7,152.670				693	3.0	1,812.040	
4/20/2010	0538			1133	18.0	7,154.420				692	3.0	1,813.040	
4/21/2010	0528			1115	20.0	7,156.060				695	3.0	1,814.030	
4/22/2010	0617			1189	18.0	7,157.700				690	3.0	1,815.070	
4/23/2010	0522			1176	20.0	7,159.340				692	2.5	1,816.030	
4/24/2010	0:00												
4/25/2010	0:00												
4/26/2010	0535			1152	21.0	7,164.270				669	1.6	1,818.940	
4/27/2010	0534			1157	20.0	7,165.830				671	1.6	1,819.910	
4/28/2010	0529			1218	20.0	7,167.570				670	1.6	1,820.870	
4/29/2010	0528			2275	49.0	7,169.740				85	4.0	1,821.360	
4/30/2010	0517			1823	36.0	7,171.610				83	4.6	1,821.480	
					TOTAL	54.193					TOTAL		27.393
COMMENTS :											Both pumps		
											TOTAL		81.586

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS								
Gallons multiplied by 1,000,000 on Totalizer														
		WAHOO CREEK						CLEAR CREEK						
	PUMP NO.	921		922				724		725				
DATE	TIME	COMPUTER		COMPUTER				COMPUTER		COMPUTER				
		GPM	PSI	GPM	PSI	TOTALIZER		GPM	PSI	GPM	PSI	TOTALIZER		
5/1/2010	0:00					7,174.193						1,821.603		
5/2/2010	0:00													
5/3/2010	0528			1751	30.0	7,179.360				84	4.5	1,821.850		
5/4/2010	0527			1780	34.0	7,181.870				88	4.5	1,821.970		
5/5/2010	0533			1779	32.0	7,184.410				84	4.6	1,822.100		
5/6/2010	0630			1764	34.0	7,187.050				83	4.5	1,822.220		
5/7/2010	0625			2135	45.0	7,189.910				84	4.6	1,822.350		
5/8/2010	0:00													
5/9/2010	0:00													
5/10/2010	0635			2201	41.0	7,198.930				185	3.8	1,822.970		
5/11/2010	0705			2238	43.0	7,202.150				183	3.8	1,823.230		
5/12/2010	0645			2288	43.0	7,205.210				185	4.0	1,823.500		
5/13/2010	0710			2024	40.0	7,207.860				538	21.0	1,824.270		
5/14/2010	0642			1743	37.0	7,210.380		655	25.5			1,825.200		
5/15/2010	0:00													
5/16/2010	0:00													
5/17/2010	0535			1993	38.0	7,218.820				196	4.6	1,826.010		
5/18/2010	0532			1103	16.0	7,221.320				200	4.9	1,826.300		
5/19/2010	0525			2057	40.0	7,224.240				170	4.6	1,826.560		
5/20/2010	0526			2053	39.0	7,227.190				163	4.6	1,826.810		
5/21/2010	0518			2076	38.0	7,230.130				161	4.7	1,827.040		
5/22/2010	0635			2153	93.0	7,233.280				155	4.8	1,827.280		
5/23/2010	0:00													
5/24/2010	0529			2040	39.0	7,238.970				177	4.6	1,827.770		
5/25/2010	0526			2000	36.0	7,241.900				171	4.6	1,828.020		
5/26/2010	0514			1993	38.0	7,244.740				198	4.8	1,828.300		
5/27/2010	0530	1608	100.0			7,246.800		656	18.0			1,829.050		
5/28/2010	0519	1533	98.0			7,249.030		658	18.2			1,829.990		
5/29/2010	0:00													
5/30/2010	0:00													
5/31/2010	0:00													
					TOTAL	83.757						TOTAL		12.197

COMMENTS : Running clear creek pumps 10/12 - 10/13 P725 10/13 - 10/14 P724 Both pumps

5/27/10 Switched to high pressure pump P-921 **TOTAL** **95.954**

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS							
Gallons multiplied by 1,000,000 on Totalizer													
		WAHOO CREEK						CLEAR CREEK					
	PUMP NO.	921		922				724		725			
DATE	TIME	COMPUTER		COMPUTER				COMPUTER		COMPUTER			
		GPM	PSI	GPM	PSI	TOTALIZER		GPM	PSI	GPM	PSI	TOTALIZER	
6/1/2010	0532	1451	100.0			7,257.950		661	18.8			1,833.800	
6/2/2010	0531	1505	98.0			7,259.750		669	19.6			1,834.680	
6/3/2010	0525	1855	100.0			7,261.930		657	19.4			1,835.620	
6/4/2010	0630	1105	97.0			7,264.240		661	18.2			1,836.630	
6/5/2010	0:00												
6/6/2010	0:00												
6/7/2010	0527	1968	106.0			7,270.160		657	19.4			1,839.430	
6/8/2010	0527	959	90.0			7,271.640		661	19.8			1,840.390	
6/9/2010	0539	988	96.0			7,273.100		669	19.6			1,841.350	
6/10/2010	0546	1345	96.0			7,274.190		661	19.8			1,842.320	
6/11/2010	0622	986	95.0			7,275.680		661	19.7			1,843.330	
6/12/2010	0:00												
6/13/2010	0:00												
6/14/2010	0552	1439	98.0			7,280.390				570	16.2	1,845.770	
6/15/2010	0543	1034	96.0			7,281.980				569	16.3	1,846.580	
6/16/2010	0517	1221	96.0			7,283.540				567	16.0	1,847.390	
6/17/2010	0526	1295	92.0			7,285.130				569	16.2	1,848.210	
6/18/2010	0540	712	92.0			7,286.540				568	16.0	1,849.040	
6/19/2010	0:00												
6/20/2010	0:00												
6/21/2010	0:00												
6/22/2010	0534	1296	96.0			7,292.560				237	6.4	1,851.860	
6/23/2010	0:00												
6/24/2010	0524	291	84.0			7,294.750		671	20.0			1,853.650	
6/25/2010	0625	12				7,295.540		677	21.5			1,854.660	
6/26/2010	0:00												
6/27/2010	0:00												
6/28/2010	0517	1516	100.0			7,300.630		669	19.6			1,857.490	
6/29/2010	0857	1527	100.0			7,303.540		216	7.5			1,857.950	
6/30/2010	0533	2262	110.0			7,305.920		218	5.7			1,858.200	
					TOTAL	50.210					TOTAL	25.330	
COMMENTS											Both pumps		
											TOTAL	75.540	

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS								
Gallons multiplied by 1,000,000 on Totalizer														
		WAHOO CREEK						CLEAR CREEK						
	PUMP NO.	921		922				724		725				
DATE	TIME	COMPUTER		COMPUTER				COMPUTER		COMPUTER				
		GPM	PSI	GPM	PSI	TOTALIZER		GPM	PSI	GPM	PSI	TOTALIZER		
7/1/2010	0537	1609	98.0			7,308.160		673	19.4			1,859.130		
7/2/2010	0525	1555	100.0			7,310.360		662	19.4			1,860.080		
7/3/2010	0:00													
7/4/2010	0:00													
7/5/2010	0:00													
7/6/2010	0556	1539	104.0			7,320.840		225	2.4			1,861.730		
7/7/2010	0534	2278	114.0			7,323.680		218	2.0			1,862.040		
7/8/2010	0529	795	96.0			7,325.340				579	13.9	1,862.860		
7/9/2010	0521	1217	98.0			7,327.420				571	13.8	1,863.670		
7/10/2010	0:00													
7/11/2010	0:00													
7/12/2010	0525	1789	104.0			7,334.350				560	13.9	1,866.110		
7/13/2010	0526	1758	104.0			7,336.480		664	19.6			1,866.990		
7/14/2010	0538	1558	100.0			7,338.610		663	19.8			1,867.950		
7/15/2010	0:00													
7/16/2010	0523	781	92.0			7,340.120		678	18.3			1,869.400		
7/17/2010	0:00													
7/18/2010	0:00													
7/19/2010	0555	642	96.0			7,344.610		933	11.2			1,872.900		
7/20/2010	0541	997	94.0			7,345.800		927	11.2			1,874.230		
7/21/2010	0530	1272	94.0			7,347.600		930	11.0			1,875.560		
7/22/2010	0610	1368	98.0			7,349.050				888	7.1	1,876.630		
7/23/2010	0522	1366	98.0			7,350.830		924	9.1			1,877.900		
7/24/2010	0:00													
7/25/2010	0:00													
7/26/2010	0530	614	94.0			7,356.120		925	9.4			1,881.910		
7/27/2010	0543	1180	98.0			7,357.750		927	9.2			1,883.250		
7/28/2010	0539	846	94.0			7,359.190		927	9.5			1,884.580		
7/29/2010	0535	1018	94.0			7,360.310		921	9.5			1,885.920		
7/30/2010	0620	980	92.0			7,361.760		726	4.0			1,887.040		
7/31/2010	0:00													
					TOTAL	58.460					TOTAL	29.150		
COMMENTS :											Both pumps			
											TOTAL	87.610		

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS							
Gallons multiplied by 1,000,000 on Totalizer													
		WAHOO CREEK						CLEAR CREEK					
	PUMP NO.	921		922				724		725			
DATE	TIME	COMPUTER		COMPUTER				COMPUTER		COMPUTER			
		GPM	PSI	GPM	PSI		TOTALIZER	GPM	PSI	GPM	PSI		TOTALIZER
8/1/2010	0635	1786	99.0				7,366.620	377	4.0				1,888.280
8/2/2010	0546	2181	100.0				7,369.400	0	2.6				1,888.470
8/3/2010	0539	2125	102.0				7,372.460	29	2.6				1,888.470
8/4/2010	0523	2076	112.0				7,375.400	29	3.8				1,888.500
8/5/2010	0521	1780	98.0				7,378.370	59	2.8				1,888.560
8/6/2010	0622	1856	97.0				7,381.360	77	4.1				1,888.670
8/7/2010	0:00												
8/8/2010	0:00												
8/9/2010	0541	1288	44.0				7,388.830	357	0.9				1,889.970
8/10/2010	0557	1372	92.0				7,390.960	389	0.1				1,890.510
8/11/2010	0558	1336	48.0				7,393.330	364	0.9				1,891.030
8/12/2010	0537	1549	80.0				7,395.550	0	0.0				1,891.230
8/13/2010	0515	1777	90.0				7,397.800	0	0.0				1,891.230
8/14/2010	0:00												
8/15/2010	0:00												
8/16/2010	0537	1501	96.0				7,404.690	0	0.0				1,891.230
8/17/2010	0536	1900	98.0				7,407.140	0	0.0				1,891.230
8/18/2010	0545	2416	100.0				7,409.820	0	0.0				1,891.230
8/19/2010	0535	1592	104.0				7,412.170	321	1.0				1,891.640
8/20/2010	0521	1644	106.0				7,414.690	582	1.8				1,892.370
8/21/2010	0:00												
8/22/2010	0:00												
8/23/2010	0541	1763	106.0				7,422.220	576	1.8				1,894.890
8/24/2010	0531	1818	108.0				7,424.090	535	1.8				1,895.400
8/25/2010	0532	1704	112.0				7,426.620	582	1.6				1,896.220
8/26/2010	0534	1679	106.0				7,428.630	523	1.8				1,896.730
8/27/2010	0522	1872	110.0				7,431.310	572	1.6				1,897.540
8/28/2010	0:00												
8/29/2010	0:00												
8/30/2010	0517	1838	108.0				7,439.270	588	1.9				1,900.070
8/31/2010	0517	1803	108.0				7,441.930	591	1.9				1,900.920
						TOTAL	77.370					TOTAL	13.510
COMMENTS :												Both pumps	
												TOTAL	90.880

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS								
Gallons multiplied by 1,000,000 on Totalizer														
		WAHOO CREEK						CLEAR CREEK						
	PUMP NO.	921		922				724		725				
DATE	TIME	COMPUTER		COMPUTER				COMPUTER		COMPUTER				
		GPM	PSI	GPM	PSI	TOTALIZER		GPM	PSI	GPM	PSI		TOTALIZER	
9/1/2010	0531	1267	102.0			7,443.990		596	2.0				1,901.790	
9/2/2010	0519	983	100.0			7,445.330		602	2.2				1,902.650	
9/3/2010	0527	1366	100.0			7,447.040		600	2.1				1,903.510	
9/4/2010	0:00													
9/5/2010	0:00													
9/6/2010	0:00													
9/7/2010	0635	944	103.0			7,451.800		607	2.2				1,907.050	
9/8/2010	0620	956	99.0			7,452.940		611	2.3				1,907.910	
9/9/2010	0630	907	98.0			7,454.110		594	2.1				1,908.780	
9/10/2010	0640	1079	104.0			7,455.290		595	2.4				1,909.670	
9/11/2010	0:00													
9/12/2010	0:00													
9/13/2010	0539	269	98.0			7,458.680		609	2.4				1,912.240	
9/14/2010	0:00													
9/15/2010	0534	731	98.0			7,460.620		585	2.4				1,913.260	
9/16/2010	0521	1235	102.0			7,462.470		569	2.4				1,914.080	
9/17/2010	0632	1729	106.0			7,465.090				725	7.3		1,915.100	
9/18/2010	0:00													
9/19/2010	0:00													
9/20/2010	0543	1475	100.0			7,470.700		800	14.2				1,917.940	
9/21/2010	0543	1575	100.0			7,472.650		801	14.8				1,919.100	
9/22/2010	0550	1397	102.0			7,474.700		805	14.9				1,920.260	
9/23/2010	0538	1504	100.0			7,476.720		798	15.0				1,921.400	
9/24/2010	0525	1632	106.0			7,478.930		802	15.0				1,922.550	
9/25/2010	0:00													
9/26/2010	0:00													
9/27/2010	0537	1589	104.0			7,485.900		796	14.8				1,926.020	
9/28/2010	0531	1945	108.0			7,488.210		581	1.4				1,926.810	
9/29/2010	0536	1400	100.0			7,490.510				747	10.4		1,927.930	
9/30/2010	0526	1590	104.0			7,492.800		801	14.2				1,929.050	
					TOTAL	50.750						TOTAL		28.410
COMMENTS :														
												Both pumps		
												TOTAL		79.160

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS							
Gallons multiplied by 1,000,000 on Totalizer													
		WAHOO CREEK						CLEAR CREEK					
	PUMP NO.	921		922				724		725			
DATE	TIME	COMPUTER		COMPUTER				COMPUTER		COMPUTER			
		GPM	PSI	GPM	PSI	TOTALIZER		GPM	PSI	GPM	PSI	TOTALIZER	
10/1/2010	0517	1201	98.0			7,494.740		802	14.0			1,930.200	
10/2/2010	0:00												
10/3/2010	0:00												
10/4/2010	0537	802	100.0			7,499.420		813	14.2			1,933.700	
10/5/2010	0539	802	96.0			7,500.980		811	14.2			1,934.860	
10/6/2010	0536	1239	104.0			7,502.530		810	14.2			1,936.020	
10/7/2010	0539			1191	22.0	7,503.880				754	9.4	1,937.000	
10/8/2010	0526			1222	22.0	7,505.530				753	9.4	1,938.080	
10/9/2010	0:00												
10/10/2010	0:00												
10/11/2010	0542			1175	18.0	7,510.670				754	9.5	1,941.350	
10/12/2010	0555			174	8.0	7,511.470				736	9.1	1,942.400	
10/13/2010	0542			816	17.0	7,512.510				756	9.6	1,943.480	
10/14/2010	0531			726	15.0	7,513.750				762	9.6	1,944.560	
10/15/2010	0522			1219	22.0	7,515.170				755	9.7	1,945.650	
10/16/2010	0:00												
10/17/2010	0:00												
10/18/2010	0533			1132	20.0	7,520.310				755	9.6	1,948.920	
10/19/2010	0529			1778	34.0	7,522.680				610	12.3	1,949.870	
10/20/2010	0700			2011	33.0	7,525.040				620	13.0	1,950.480	
10/21/2010	0527			1780	32.0	7,527.470				622	13.2	1,951.310	
10/22/2010	0522			1982	34.0	7,530.050				627	13.2	1,952.200	
10/23/2010	0:00												
10/24/2010	0:00												
10/25/2010	0529			1684	28.0	7,537.340				596	13.8	1,954.840	
10/26/2010	0525			1655	32.0	7,539.800				628	13.4	1,955.730	
10/27/2010	0538			1406	20.0	7,542.020				616	13.6	1,956.630	
10/28/2010	0536			1718	33.0	7,544.290				627	14.2	1,957.550	
10/29/2010	0531			1841	33.0	7,546.900				618	14.3	1,958.430	
10/30/2010	0:00												
10/31/2010	0:00												
					TOTAL	59.960					TOTAL	30.910	

COMMENTS : 10/6/10 switched to low pressure pump.

Both pumps

TOTAL **90.870**

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS								
Gallons multiplied by 1,000,000 on Totalizer														
		WAHOO CREEK						CLEAR CREEK						
	PUMP NO.	921		922				724		725				
DATE	TIME	COMPUTER		COMPUTER				COMPUTER		COMPUTER				
		GPM	PSI	GPM	PSI	TOTALIZER		GPM	PSI	GPM	PSI	TOTALIZER		
11/1/2010	0528			1855	36.0	7,554.700				638	14.2	1,961.110		
11/2/2010	0517			1763	31.0	7,557.230				638	14.2	1,962.030		
11/3/2010	0555			1578	26.0	7,559.620				664	14.2	1,962.980		
11/4/2010	0519			1630	32.0	7,561.920				662	14.2	1,963.910		
11/5/2010	0518			1735	31.0	7,564.430				634	14.2	1,964.840		
11/6/2010	0:00													
11/7/2010	0:00													
11/8/2010	0556			1864	36.0	7,571.640		748	16.0			1,967.970		
11/9/2010	0550			1491	24.0	7,573.840		757	15.2			1,969.160		
11/10/2010	0540			1621	28.0	7,576.230		742	16.0			1,970.220		
11/11/2010	0:00													
11/12/2010	0625			1650	27.0	7,581.050		751	16.2			1,972.410		
11/13/2010	0:00													
11/14/2010	0:00													
11/15/2010	0528			1243	20.0	7,586.040		735	16.4			1,975.580		
11/16/2010	0536			1283	21.0	7,587.890		733	16.3			1,976.640		
11/17/2010	0630			1245	20.0	7,589.800		755	16.0			1,977.770		
11/18/2010	0546			1164	19.0	7,591.510		759	16.2			1,978.810		
11/19/2010	0517			1169	18.0	7,593.190		749	16.2			1,979.870		
11/20/2010	1115			1514	26.0	7,595.120		745	16.1			1,981.220		
11/21/2010	0:00													
11/22/2010	0537			1025	24.0	7,597.950		744	16.1			1,983.110		
11/23/2010	0528			1290	20.0	7,599.750		733	16.2			1,984.170		
11/24/2010	0531			1349	24.0	7,601.700		725	16.4			1,985.220		
11/25/2010	0:00													
11/26/2010	0:00													
11/27/2010	0:00													
11/28/2010	0:00													
11/29/2010	0543			1412	24.0	7,612.360		742	16.2			1,990.570		
11/30/2010	0536			1604	26.0	7,614.630				642	13.8	1,991.490		
					TOTAL	62.410					TOTAL	31.310		
COMMENTS :											Both pumps			
											TOTAL	93.720		

former NEBRASKA ORDNANCE PLANT OU-2 GTP						SHEET # 6 EFFLUENT PUMPS							
Gallons multiplied by 1,000,000 on Totalizer													
		WAHOO CREEK						CLEAR CREEK					
	PUMP NO.	921		922				724		725			
DATE	TIME	COMPUTER		COMPUTER				COMPUTER		COMPUTER			
		GPM	PSI	GPM	PSI	TOTALIZER		GPM	PSI	GPM	PSI	TOTALIZER	
12/1/2010	0538			1751	30.0	7,617.110				644	13.8	1,992.420	
12/2/2010	0539	1712	30.0			7,619.650				634	13.8	1,993.340	
12/3/2010	0625			1504	31.0	7,622.030				652	11.4	1,994.550	
12/4/2010	0:00												
12/5/2010	0:00												
12/6/2010	0527			1665	30.0	7,626.890		842	13.9			1,997.980	
12/7/2010	0534			1012	16.0	7,628.480				804	10.8	1,999.130	
12/8/2010	0613			1040	20.0	7,629.980				799	10.8	2,000.320	
12/9/2010	0540			1050	18.0	7,631.560				800	10.8	2,001.440	
12/10/2010	0516			1631	28.0	7,633.720				798	10.6	2,002.570	
12/11/2010	0:00												
12/12/2010	0:00												
12/13/2010	0602			1541	24.0	7,639.960				737	9.6	2,005.750	
12/14/2010	0541			1573	24.0	7,642.230				736	9.6	2,006.800	
12/15/2010	0533			1428	24.0	7,644.100				741	9.7	2,007.860	
12/16/2010	0943			2306	48.0	7,645.840				701	9.6	2,008.780	
12/17/2010	0517			1691	29.0	7,647.820				733	9.6	2,009.640	
12/18/2010	0:00												
12/19/2010	0:00												
12/20/2010	0541			1616	32.0	7,654.980				737	9.6	2,012.840	
12/21/2010	0529			1494	24.0	7,657.320				740	9.8	2,013.890	
12/22/2010	0535			1609	28.0	7,659.660				737	9.6	2,014.950	
12/23/2010	0526			1654	28.0	7,662.000				735	9.6	2,016.010	
12/24/2010	0:00												
12/25/2010	0:00												
12/26/2010	0:00												
12/27/2010	0544			1597	26.0	7,671.210		794	14.2			2,020.430	
12/28/2010	0525			1632	28.0	7,673.560				737	11.6	2,021.480	
12/29/2010	0536			1789	32.0	7,675.970				734	11.5	2,022.550	
12/30/2010	0535			1676	28.0	7,678.360				737	11.6	2,023.610	
12/31/2010	0:00												
					TOTAL	66.000					TOTAL		33.310
COMMENTS :											Both pumps		
											TOTAL		99.310

Appendix C
Monthly and Annual Flow Summary for the Main Groundwater Treatment Plant

Appendix C - Monthly and Annual Flow Summary
2010 Operations and Maintenance Annual Report
Former Nebraska Ordnance Plant, Mead, Nebraska

OU-2 GTP

Gallons are multiplied by 1,000,000

	January Total Flow	February Total Flow	March Total Flow	April Total Flow	May Total Flow	June Total Flow	July Total Flow	August Total Flow	September Total Flow	October Total Flow	November Total Flow	December Total Flow
Influent Flow												
EW-1	7.164	6.234	6.751	6.376	6.399	6.064	5.847	4.849	5.951	7.406	5.219	7.478
EW-2	-	-	-	-	-	-	-	-	-	-	-	-
EW-3	12.747	11.865	12.950	12.929	13.479	13.065	13.277	13.515	12.684	12.201	7.647	10.220
EW-4	3.410	3.192	3.430	3.353	3.447	3.296	3.356	3.397	3.252	3.160	1.695	3.478
EW-5	-	-	-	-	-	-	-	-	-	-	-	-
EW-6	3.388	3.153	2.767	2.434	2.563	2.087	2.377	2.371	2.353	2.621	1.963	2.247
EW-7	12.387	11.576	12.601	12.446	13.023	11.277	13.105	13.400	12.599	12.248	12.627	12.863
EW-8	-	-	-	-	-	-	-	-	-	-	-	-
EW-9	5.926	5.437	6.234	6.200	6.573	5.665	6.269	6.509	6.211	5.625	6.325	6.329
EW-10	16.809	12.701	-	-	-	-	-	-	-	-	-	-
FEW-11	21.282	21.496	22.603	22.615	23.777	7.466	15.498	17.458	12.323	23.913	23.627	23.856
FEW-14	7.996	7.557	8.279	8.259	8.665	8.429	8.662	9.095	8.721	9.163	8.850	7.644
FEW-15	0.415	-	0.012	4.757	14.694	14.684	15.383	16.595	10.619	9.862	21.373	21.421
EW-16	3.921	3.519	3.745	3.660	3.905	3.983	4.670	4.670	5.065	4.967	4.523	4.012
Total Flow:	95.445	86.730	79.372	83.029	96.525	76.016	88.444	91.859	79.778	91.166	93.849	99.546
Effluent Flow	Gallons are multiplied by 1,000,000											
Wahoo Creek:	66.866	59.080	49.680	54.193	83.757	50.210	58.460	77.370	50.750	59.960	62.410	66.000
LL4 Wahoo Creek:	-	-	-	-	-	-	-	-	-	-	-	-
Clear Creek:	27.732	27.330	29.220	27.393	12.197	25.330	29.150	13.510	28.410	30.910	31.310	33.310
Total Discharge:	94.598	86.410	78.900	81.586	95.954	75.540	87.610	90.880	79.160	90.870	93.720	99.310
Summary	Gallons are multiplied by 1,000,000											
Total Influent:	95.445	86.730	79.372	83.029	96.525	76.016	88.444	91.859	79.778	91.166	93.849	99.546
Total Effluent:	94.598	86.410	78.900	81.586	95.954	75.540	87.610	90.880	79.160	90.870	93.720	99.310
Average Daily Influent Flow:	3.079	3.098	2.560	2.768	3.114	2.534	2.853	2.963	2.659	2.941	3.128	3.211
Average Daily Effluent Flow:	3.052	3.086	2.545	2.720	3.095	2.518	2.826	2.932	2.639	2.931	3.124	3.204

Year to Date Total Flows	Gallons are multiplied by 1,000,000		
Influent:	1,061.759		
Effluent:	1,054.538		

Startup to Date Total Flows	Gallons are multiplied by 1,000,000		
Influent:	10,073.780		
Effluent:	9,709.171		

Appendix D
Analytical Results Summary for the Main Groundwater Treatment Plant

Appendix D - Main Plant Effluent Sample Results
Former Nebraska Ordnance Plant
Mead, Nebraska

Data Package	Sampling Event	Date Collected	VOCs (ppb) *Treatment Goal (5 ppb)*	Explosives (ppb) *Treatment Goal (2 ppb)*	Nitrates (ppm) *Treatment Goal (100 ppm)*	pH	
149	Week 1	2/27/2002	AC ND	AC ND	4.18	7.02	O&M Compliance pts., Extraction Wells
184	Week 2	3/6/2002	Chloromethane 0.83 (J) ug/L	AC ND	4.44	NS	
199	Week 3	3/12/2002	AC ND	AC ND	4.79	NS	
237	Week 4	3/18/2002	Chloromethane 1.79 (J) ug/L	AC ND	4.83	7.06	
281	Week 5	3/27/2002	AC ND	AC ND	4.8	NS	O&M Plant Compliance pts.
306	Week 6	4/1/2002	Chloromethane 1.90 (J) ug/L	AC ND	4.54	NS	
359	Week 7	4/9/2002	AC ND	AC ND	4.65	6.89	
393	Week 8	4/16/2002	AC ND	AC ND	8.09	6.76	
435	Week 9	4/24/2002	AC ND	AC ND	3.48	NS	O&M Plant Compliance pts.
468	Week 10	4/30/2002	AC ND	AC ND	4.07	NS	
498	Week 11	5/6/2002	AC ND	AC ND	3.06	NS	
524	Week 12	5/13/2002	AC ND	AC ND	4.15	NS	
574	Week 13	5/20/2002	AC ND	AC ND	4.1	NS	(sulfate = 49.1 mg/L)
625	Week 14	5/29/2002	AC ND	AC ND	3.78	NS	
673	Month 4	6/4/2002	AC ND	AC ND	4.13	NS	O&M Compliance pts., Extraction Wells
837	Month 5	7/1/2002	AC ND	AC ND	3.72	NS	O&M Plant Compliance pts.
934	Month 6	7/22/2002	AC ND	AC ND	3.2	NS	Dup = 10.1
1055	Month 7	8/12/2002	AC ND	AC ND	4.22	NS	O&M Compliance pts., Extraction Wells
1199	Month 8	9/10/2002	AC ND	AC ND	4.26	NS	O&M Plant Compliance pts.
1320	Month 9	10/1/2002	AC ND	AC ND	4.32	NS	O&M Plant Compliance pts.
1506	Month 10	11/5/2002	AC ND	AC ND	4.03	NS	O&M Compliance pts., Extraction Wells
1623	Month 11	12/2/2002	AC ND	AC ND	4.51	NS	O&M Plant Compliance pts.
1786	Month 12	1/6/2003	AC ND	AC ND	4.2	NS	O&M Plant Compliance pts.
1944	Month 13	2/5/2003	AC ND	AC ND	3.51	NS	O&M Compliance pts., Extraction Wells
2070	Month 14	3/3/2003	AC ND	AC ND	4.51	NS	O&M Plant Compliance pts.
18	Month 15	4/1/2003	AC ND	AC ND	4.12	NS	O&M Plant Compliance pts.
3136	Month16	5/6/2003	AC ND	AC ND	4.14	NS	O&M Compliance pts., Extraction Wells
3280	Month 17	6/2/2003	AC ND	AC ND	3.95	NS	O&M Plant Compliance pts.
3430	Month 18	7/1/2003	AC ND	0.291ppb - HMX	3.72	NS	O&M Plant Compliance pts.
3591	Month 19	8/5/2003	AC ND	AC ND	4.1	NS	O&M Compliance pts., Extraction Wells
3472	Month 20	9/2/2003	AC ND	AC ND	3.57	NS	O&M Plant Compliance pts.
3861	Month 21	10/1/2003	0.25(J) ppb - TCE	AC ND	4	NS	O&M Plant Compliance pts.
4017	Month 22	11/4/2003	AC ND	0.123 (J) ppb - RDX	3.97	NS	O&M Compliance pts., Extraction Wells
4140	Month 23	12/1/2003	AC ND	AC ND	3.05	NS	O&M Plant Compliance pts.
4285	Month 24	1/5/2004	AC ND	AC ND	4.3	NS	O&M Plant Compliance pts.
4387	Month 25	2/2/2004	AC ND	AC ND	4.67	NS	O&M Compliance pts., Extraction Wells
4522	Month 26	3/1/2004	AC ND	AC ND	4.75	NS	O&M Plant Compliance pts.
246	Month 27	4/5/2004	AC ND	AC ND	19.5 by IC	NS	O&M Plant Compliance pts.
434	Month 28	4/21/2004	AC ND	AC ND	4.4	NS	O&M Compliance pts., Extraction Wells
754	Month 29	6/1/2004	AC ND	AC ND	3.9	NS	O&M Plant Compliance pts.
004	Month 30	7/6/2004	AC ND	AC ND	20.7 by IC	NS	O&M Plant Compliance pts.
240	Month 31	8/2/2004	AC ND	AC ND	20 by IC	7	O&M Compliance pts., Extraction Wells
515	Month 32	9/1/2004	AC ND	AC ND	4.5	7	O&M Plant Compliance pts.
803	Month 33	10/4/2004	AC ND	AC ND	4.6	7	O&M Plant Compliance pts.
018	Month 34	11/1/2004	AC ND	AC ND	22.9 by IC	7	O&M Compliance pts., Extraction Wells
371	Month 35	12/6/2004	AC ND	AC ND	23.5 by IC	7	O&M Plant Compliance pts.
1139	Month 36	1/11/2005	1.2 TCE	NA	4.5	7	O&M Plant Compliance pts.
1365	Month 37	1/31/2005	1.2 TCE	AC ND	4.4	7	O&M Compliance pts., Extraction Wells
6571 & 1816	Month 38	3/8/2005	AC ND	AC ND	Not available	7	O&M Plant Compliance pts.
6747 & 2178	Month 39	4/4/2005	AC ND	AC ND	4.5	7	O&M Plant Compliance pts.
6931 & 2636	Month 40	5/2/2005	AC ND	AC ND	4.5	7	O&M Compliance pts., Extraction Wells
7126 & 3235	Month 41	6/13/2005	AC ND	AC ND	4.54	7	O&M Plant Compliance pts.
7222 & 3539	Month 42	7/6/2005	AC ND	AC ND	4.31	7	O&M Plant Compliance pts.
7371 & 4012	Month 43	8/1/2005	AC ND	AC ND	4.89	7	O&M Compliance pts., Extraction Wells
7521 & 4532	Month 44	9/1/2005	AC ND	AC ND	4.43	7	O&M Plant Compliance pts.
7694 & 5038	Month 45	10/4/2005	AC ND	AC ND	4.54	7	O&M Plant Compliance pts.
7842	Month 46	11/1/2005	AC ND	AC ND	3.9	7	O&M Compliance pts., Extraction Wells
7947	Month 47	12/5/2005	AC ND	AC ND	4.04	7	O&M Plant Compliance pts.
8027	Month 48	1/3/2006	AC ND	AC ND	3.97	7	O&M Plant Compliance pts.
8136	Month 49	2/6/2006	AC ND	AC ND	4.02	7	O&M Compliance pts., Extraction Wells
8224	Month 50	3/1/2006	AC ND	AC ND	4.03	7	O&M Plant Compliance pts.
8345	Month 51	4/3/2006	AC ND	AC ND	4.13	7	O&M Plant Compliance pts.

Appendix D - Main Plant Effluent Sample Results
Former Nebraska Ordnance Plant
Mead, Nebraska

Data Package	Sampling Event	Date Collected	VOCs (ppb) *Treatment Goal (5 ppb)*	Explosives (ppb) *Treatment Goal (2 ppb)*	Nitrates (ppm) *Treatment Goal (100 ppm)*	pH	
0605007	Month 52	5/1/2006	AC ND	AC ND	4.08	7	O&M Compliance pts., Extraction Wells
0606026	Month 53	6/5/2006	AC ND	0.275 RDX	4.08	7	O&M Compliance pts.
0607033	Month 54	7/5/2006	AC ND	AC ND	4.78	7	O&M Compliance pts.
0608015	Month 55	8/2/2006	AC ND	AC ND	0.718 as N	7	O&M Compliance pts., Extraction Wells
0609039	Month 56	9/6/2006	AC ND	AC ND	3.91	7	O&M Compliance pts.
0610012	Month 57	10/2/2006	AC ND	AC ND	4.00	7	O&M Compliance pts.
0611021	Month 58	11/1/2006	AC ND	AC ND	3.84	7	O&M Compliance pts., Extraction Wells
0612021	Month 59	12/4/2006	AC ND	AC ND	4.21	7	O&M Compliance pts.
0701010	Month 60	1/2/2007	AC ND	AC ND	3.66	7	O&M Compliance pts.
0702033	Month 61	2/6/2007	AC ND	AC ND	4.72	7	O&M Compliance pts., Extraction Wells
0703032	Month 62	3/5/2007	AC ND	AC ND	4.21	7	O&M Compliance pts.
0704008	Month 63	4/2/2007	AC ND	AC ND	4.26	7	O&M Compliance pts.
120018	Month 64	5/15/2007	AC ND	AC ND	4.10	7	O&M Compliance pts., Extraction Wells
120475	Month 65	6/11/2007	AC ND	AC ND	4.00	7	O&M Compliance pts.
120754	Month 66	7/2/2007	AC ND	AC ND	4.20	7	O&M Compliance pts.
121267	Month 67	8/7/2007	AC ND	AC ND	4.70	7	O&M Compliance pts., Extraction Wells
121772	Month 68	9/4/2007	AC ND	AC ND	4.70	7	O&M Compliance pts.
122238	Month 69	10/1/2007	AC ND	AC ND	4.40	7	O&M Compliance pts.
122789	Month 70	10/31/2007	AC ND	AC ND	4.80	7	O&M Compliance pts., Extraction Wells
123251	Month 71	12/3/2007	AC ND	AC ND	4.70	7	O&M Compliance pts.
123636	Month 72	1/2/2008	AC ND	AC ND	4.60	7	O&M Compliance pts.
123999	Month 73	1/30/2008	AC ND	AC ND	4.00	7	O&M Compliance pts., Extraction Wells
124354	Month 74	3/3/2008	AC ND	AC ND	4.40	7	O&M Compliance pts.
124783	Month 75	4/1/2008	AC ND	AC ND	3.90	7	O&M Compliance pts.
125393	Month 76	5/6/2008	AC ND	AC ND	3.90	7	O&M Compliance pts., Extraction Wells
125992	Month 77	6/11/2008	AC ND	AC ND	4.60	7	O&M Compliance pts.
126349	Month 78	7/1/2008	AC ND	AC ND	4.10	7	O&M Compliance pts.
126945	Month 79	8/5/2008	AC ND	AC ND	4.10	7	O&M Compliance pts., Extraction Wells
127440	Month 80	9/2/2008	AC ND	AC ND	3.90	7	O&M Compliance pts.
127980	Month 81	10/1/2008	AC ND	AC ND	10.00	7	O&M Compliance pts.
128594	Month 82	11/3/2008	AC ND	AC ND	4.10	7	O&M Compliance pts., Extraction Wells
129123	Month 83	12/2/2008	AC ND	AC ND	3.70	7	O&M Compliance pts.
129574	Month 84	1/5/2009	AC ND	AC ND	4.30	7	O&M Compliance pts.
129943	Month 85	2/3/2009	AC ND	AC ND	4.20	7	O&M Compliance pts., Extraction Wells
130429	Month 86	3/3/2009	AC ND	AC ND	4.00	7	O&M Compliance pts.
130961	Month 87	3/31/2009	AC ND	AC ND	4.00	7	O&M Compliance pts.
131586	Month 88	5/5/2009	AC ND	AC ND	4.00	7	O&M Compliance pts., Extraction Wells
132059	Month 89	6/3/2009	AC ND	AC ND	3.40	7	O&M Compliance pts.
132475	Month 90	7/1/2009	AC ND	AC ND	4.30	7	O&M Compliance pts.
132963	Month 91	8/4/2009	AC ND	AC ND	4.30	7	O&M Compliance pts., Extraction Wells
133367	Month 92	9/1/2009	AC ND	AC ND	4.20	7	O&M Compliance pts.
133915	Month 93	10/1/2009	AC ND	AC ND	4.10	7	O&M Compliance pts.
134504	Month 94	11/2/2009	AC ND	AC ND	4.20	7	O&M Compliance pts., Extraction Wells
134899	Month 95	11/30/2009	AC ND	AC ND	4.20	7	O&M Compliance pts.
135330	Month 96	1/4/2010	AC ND	AC ND	4.20	7.1	O&M Compliance pts.
135781	Month 97	2/1/2010	AC ND	AC ND	4.30	7.1	O&M Compliance pts., Extraction Wells
136159	Month 98	3/1/2010	AC ND	AC ND	4.20	7.2	O&M Compliance pts.
136620	Month 99	4/1/2010	AC ND	AC ND	4.10	7.2	O&M Compliance pts.
137176	Month 100	5/4/2010	1.3 TCE	AC ND	4.00	7.2	O&M Compliance pts., Extraction Wells
137544	Month 101	6/1/2010	AC ND	AC ND	5.10	7.2	O&M Compliance pts.
137992	Month 102	7/1/2010	AC ND	AC ND	4.60	7.2	O&M Compliance pts.
962-1	Month 103	8/2/2010	AC ND	AC ND	4.90	7.3	O&M Compliance pts., Extraction Wells
1365-1	Month 104	8/31/2010	AC ND	AC ND	4.80	7.2	O&M Compliance pts.
1821	Month 105	10/4/2010	0.19 (J) TCE	AC ND	4.00	7.1	O&M Compliance pts.
2281	Month 106	11/1/2010	AC ND	AC ND	4.80	7.2	O&M Compliance pts., Extraction Wells
2741	Month 107	12/1/2010	AC ND	AC ND	4.70	7.3	O&M Compliance pts.

Notes:

Notes:

AC ND = All compounds Not detected

J = estimated

mg/L = millgrams per liter

NS = Not Sampled

NA = Not Applicable

O&M = operations and maintenance

ppb = parts per billion

ppm = parts per million

VOC = volatile organic compound

Estimated concentrations of cis 1,2 dichloroethene at 0.12 ppb was found in effluent during January 2005

Methylene chloride found at effluent concentration of 16 ppb during September 2005

Methylene chloride found at effluent concentration of 27 ppb during September 2005

Appendix E
2010 Main Groundwater Treatment Plant Sludge Profile

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreement on File? ☐YES ☒NO

Profile Number: WMI 473007

☐**Hazardous** ☒**Non-Hazardous** ☐**TSCA**

Renewal Date: / /

A. Waste Generator Information

1. Generator Name: US Army Corps of Engineers
2. SIC Code:
3. Facility Street Address: 905 County Road 6
4. Phone: (402) 944-2964
5. Facility City: Ashland
6. State/Province: NE
7. Zip/Postal Code: 68003
8. Generator USEPA/Federal ID #:
9. County:
10. State/Province ID #:
11. Customer Name:
12. Customer Phone: ( )
13. Customer Contact:
14. Customer Fax:
15. Billing Address ☒Same as above

B. Waste Stream Information

1. **Description**

a. Name of Waste: Backwash Residue

b. Process Generating Waste: Carbon column Backwashing

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F	f. Layers	g. Free liquid range
		☒Solid ☐Liquid ☐Gas ☐Sludge ☐Other	☒Single Layer ☐Multi-layer	to %
				h. pH: Range 6.5 to 7.5

i. Liquid Flash Point: ☐<73°F ☐73-99°F ☐100-139°F ☐140-199°F ☒≥ 200°F ☐Not applicable

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
Barium	3.59 ppm – 0.000036%		
Reactive Cyanide	0.5 ppm – 0.000005%		
Carbon fines, sand, silt	99.999959%		

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

k. ☐Oxidizer ☐Pyrophoric ☐Explosive ☐Radioactive ☐Carcinogen ☐Infectious ☐Shock Sensitive ☐Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j)..... ☐YES ☒NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j)..... ☐YES ☒NO

n. Does the waste represented by this profile contain asbestos?..... ☐YES ☒NO

If yes..... ☐friable ☐non-friable

o. Does the waste represented by this profile contain benzene?..... ☐YES ☒NO

If yes, concentration _____ ppm

Is the waste subject to the benzene waste operations NESHAP?..... ☐YES ☒NO

p. Is the waste subject to RCRA Subpart CC controls?..... ☐YES ☒NO

If yes, volatile organic concentration _____ ppmw

q. Does the waste contain any Class I or Class II ozone-depleting substances?..... ☐YES ☒NO

r. Does the waste contain debris? (list in Section B.1.j)..... ☐YES ☒NO

2. **Quantity of Waste**

Estimated Annual Volume _____ ☐Tons ☐Yards ☐Drums ☐Other (specify) _____

3. **Shipping Information**

a. Packaging:

☐Bulk Solid; Type/Size: _____ ☐Bulk Liquid; Type/Size: _____

☒Drum; Type; Size: 55-gallon drums ☐Other: _____

b. Shipping Frequency: Units _____ Per: ☐Month ☐Quarter ☐Year ☐One time ☐Other _____

c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f)..... ☐YES ☒NO

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

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d. Reportable Quantity (lbs.;kgs.): _____ e. Hazard Class/ID #: _____
f. USDOT Shipping Name: _____
g. Personal Protective Equipment Requirements: None
h. Transporter/Transfer Station: _____

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2..... ☐YES ☒NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) _____
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (if yes, list in Section B.1.j)..... ☐YES ☐NO
   c. Does this waste contain debris? (if yes, list size and type in Chemical Composition - B.1.)..... ☐YES ☐NO

2. Is this a state hazardous waste?..... ☐YES ☒NO
   Identify **ALL** state hazardous waste codes _____

3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up?..... ☐YES ☒NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up, provide relevant documentation.

4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission?..... ☐YES ☒NO

5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (if yes, list in Chemical Composition - B.1.j)..... ☐YES ☒NO
   a. If yes, were the PCBs imported into the U.S.?..... ☐YES ☐NO

6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?..... ☒YES ☐NO

7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?..... ☒YES ☐NO

☐Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: _____ Title: _____
Name (Type or Print): _____ Company Name: _____ Date: _____
☐Check if additional information is attached. Indicate the number of attached pages _____

D. WM Management's Decision — FOR WM USE ONLY

1. Management Method ☐Landfill ☐Non-hazardous Solidification ☐Bioremediation ☐Incineration ☐Hazardous Stabilization ☐Other (Specify) _____
2. Proposed Ultimate Management Facility: _____
3. Precautions, Special Handling Procedures, or Limitation on Approval: _____

4. Waste Form _____ 5. Source _____ 6. System Type _____
Special Waste Decision..... ☐Approved ☐Disapproved
Salesperson's Signature: _____ Date: _____
Division Approval Signature (Optional): _____ Date: _____
Special Waste Approvals Person Signature: Date:

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Instructions

Information on this form is used to determine if the waste may be transported, treated, stored or disposed in a legal, safe, and environmentally sound manner. This information will be maintained in strict confidence. Answers must be provided for sections A, B, and C and must be printed in ink or typed. A response of "NONE" or NA" (not applicable) can be made if appropriate. If additional space is needed, indicate on the form that additional information is attached, and attach the information to Generator's Waste Profile Sheet. If you have questions concerning this form, please contact the Contractor's sales representative.

A. Waste Generator Information

1. **Generator Name -** Enter the name of the facility where the waste is generated.
2. **SIC Code -** Enter the four digit Standard Industrial Classification Code for the facility where the waste is generated.
3. **Facility Street Address -** Enter the street address (not P.O. Box) of the facility where the waste is generated.
4. **Phone -** Enter Generator's area code and phone number.
5. **Facility City -** Enter the city where the waste is generated.
6. **State/Province -** Enter the state or province where the waste is generated.
7. **Zip/Postal Code -** Enter the generating facility's zip or postal code.
8. **Generator USEPA/Federal ID # -** Enter the identification number issued by the USEPA, Canadian, or Mexican Federal Agency to the facility generating the waste (if applicable).
9. **County -** Enter the county where the waste is generated.
10. **State/Province ID # -** Enter the identification number issued by the state or province to the facility generating the waste (if applicable).
11. **Customer Name -** Entity that the Contractor is directly working with regarding the represented waste stream. If the same as the Generator, mark "Same as Above".
12. **Customer Phone -** Enter technical contact's area code and telephone number.
13. **Customer Contact -** Enter the name of the person who can answer technical questions about the waste.
14. **Customer Fax -** Area code and facsimile number for the customer.
15. **Billing Address -** Address where bill for services should be sent.

B. Waste Stream Information

1.a. **Name of Waste -** Enter a name generally descriptive of this waste (e.g., paint sludge, fluorescent bulbs).

1.b. **Process Generating Waste -** Describe the process generating the waste in detail. List the specific process/operation or source that generates the waste (e.g., incineration of municipal refuse, asbestos removal, wastewater treatment, building maintenance).

At a minimum, the Generator should answer the following questions in determining the process generating the waste.

- What chemicals are stored and/or used at the facility?
- Is the waste generated from the production/manufacturing of any of the following industries: wood preservation; inorganic pigments; organic pigments; pesticides; explosives; petroleum refining; iron and steel, copper, lead or zinc production?
- Is the waste a result from degreasing, solvent parts cleaning, recovery/reclaiming of solvents (bottoms), wastewater treatment (sludges), or electroplating?

1.c. **Color -** Describe the color of the waste (e.g., blue, transparent, varies).

1.d. **Strong odor -** DO NOT SMELL THE WASTE! If the waste has a known odor, then describe (e.g., acrid, pungent, solvent, sweet).

1.e. **Physical state @ 70°F -** If the four boxes provided do not apply, a descriptive phrase may be entered after "Other" (e.g., multi-phase).

1.f. **Layers -** Single Layer means the waste is homogenous. Multi-layer means the waste is comprised of two or more layers (e.g., oil/water/sludge).

1.g. **Free liquid range -** Range (in percent by volume) of free liquids in the waste.

1.h. **pH Range -** Indicate the pH range.

1.i. **Liquid Flash Point -** Indicate the flash point obtained using the appropriate test method.

1.j. **Chemical Composition -** List all organic and/or inorganic components of the waste using chemical names. If trade names are used, attach Material Safety Data Sheets or other documents that adequately describe the composition of the waste. For each component, estimate the range (in percent) in which the component is present.

1.k. Check all that apply.

1.l. Identify any element, chemical compound, or mixture in concentration of 0.1 percent or greater that is considered a carcinogen or potential carcinogen pursuant to OSHA.

1.m. Indicate if the waste contains any dioxins (list in Section B.1.j).

1.n. Indicate if the waste contains asbestos. Indicate if the asbestos is friable.

1.o. Indicate if the waste contains benzene, the level in ppm, and whether it is subject to the benzene NESHAP.

1.p. Indicate if the waste is subject to RCRA Subpart CC control. In addition, indicate the volatile organic concentration, if known, in parts per million weight.

1.q. Indicate if the waste contains any Class I or Class II ozone-depleting controlled substances.

1.r. Indicate if the waste contains debris (list size and type in B.1.j).

2. **Quantity of Waste -** Approximate volume in tons, yards, or other (e.g., drums, gallons) that will be received by the ultimate management facility. This volume amount is not intended for use in complying with state and/or permit restrictions.

3.a. **Packaging -** Choose the appropriate option or "other" along with a description.

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

3.b. **Shipping Frequency -** Choose the appropriate option or "other" along with a description.
3.c. **Is this a U.S. Department of Transportation (USDOT) hazardous material? -** Choose the appropriate response: yes or no.
3.d. **Reportable Quantity (lbs.; kgs.) -** If the answer to 3.c. is yes, enter the Reportable Quantity (RQ) established by 40 CFR 302.4 or equivalent Canadian or Mexican regulation for this waste. Indicate the appropriate units for the RQ.
3.e. **Hazard Class/ID # -** If the answer to 3.c. is yes, indicate the proper USDOT hazard class and identification number.
3.f. **USDOT Shipping Name -** IF the answer to 3.c. is yes, enter the proper USDOT shipping name for the waste.
3.g. **Personal Protective Equipment Requirements -** All personal protective equipment necessary to safely manage the waste stream.
3.h. **Transporter/Transfer Station -** Transporter and/or transfer station name.

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

Indicate the appropriate response to questions/statements 1, 2, 3, 4, 5, 6, and 7. By signing this Generator's Waste Profile Sheet, the Generator certifies the responses are true and accurate with respect to the waste stream(s) listed.

Certification Signature - Signature of an authorized employee of the Generator or authorized representative of the generator.
Title - Enter Employee's title.
Name - Type or Print Employee's name.
Company Name - Company employing the person certifying the Generator's Waste Profile Sheet.
Date - Enter the date this Generator's Waste Profile Sheet is signed.

D. WM Management's Decision — FOR WM USE ONLY

To be completed by WM.

Appendix F
Monthly Flow Summary for Load Line 1 Groundwater Treatment Plant

Appendix F - Load Line 1 Flow Data
Former Nebraska Ordnance Plant, Mead Nebraska

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
1/1/2010	0:00		620.709						619.782
1/2/2010	0:00								
1/3/2010	0:00								
1/4/2010	0609	325	621.984	1050.69			55	326	621.064
1/5/2010	0538	325	622.441	1050.56			56	329	621.524
1/6/2010	0545	326	622.910	1050.32			55	325	621.996
1/7/2010	0:00								
1/8/2010	0:00								
1/9/2010	0:00								
1/10/2010	0:00								
1/11/2010	0551	324	623.618	1051.79			55	327	622.708
1/12/2010	0538	325	624.082	1051.16			55	327	623.175
1/13/2010	0541	325	624.550	1050.45			55	327	623.646
1/14/2010	0526	325	625.012	1051.08			55	327	624.110
1/15/2010	0520	325	625.476	1049.16			55	326	624.578
1/16/2010	0710	325	625.980	1049.58			56	331	625.084
1/17/2010	0:00								
1/18/2010	0526	325	626.862	1049.06			64	390	625.971
1/19/2010	0525	325	627.327	1051.00			62	339	626.439
1/20/2010	0559	325	627.805	1050.90			57	379	626.920
1/21/2010	0543	325	628.267	1051.26			67	318	627.384
1/22/2010	0605	325	628.741	1048.27			59	392	627.862
1/23/2010	0:00								
1/24/2010	0:00								
1/25/2010	0606	325	630.136	1051.87			68	255	629.265
1/26/2010	0544	0	630.238	1102.13			58	0	629.369
1/27/2010	0543	325	630.560	1051.07			69	334	629.693
1/28/2010	0551	325	631.030	1050.30			59	392	630.166
1/29/2010	0518	325	631.486	1050.16			63	393	630.626
1/30/2010	0:00								
1/31/2010	0:00								
		TOTAL	12.186		TOTAL	-		TOTAL	12.252

COMMENTS :

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
2/1/2010	0542	325	632.895	1049.86			64	0	632.034
2/2/2010	0551	326	633.364	1049.98			58	383	632.507
2/3/2010	0546	325	633.829	1050.41			68	379	632.975
2/4/2010	0539	326	634.294	1048.79			65	399	633.443
2/5/2010	0532	325	634.759	1049.81			59	392	633.915
2/6/2010	0:00								
2/7/2010	0:00								
2/8/2010	3557	325	636.166	1048.77			62	360	635.337
2/9/2010	3548	325	636.633	1048.93			66	392	635.808
2/10/2010	0536	325	637.096	1049.73			65	0	636.274
2/11/2010	0538	325	637.564	1049.81			65	387	636.745
2/12/2010	0533	325	638.029	1049.66			64	394	637.214
2/13/2010	0:00								
2/14/2010	0:00								
2/15/2010	0830	325	639.124	1049.89			61	403	638.316
2/16/2010	0741	325	639.510	1049.57			66	394	638.704
2/17/2010	0534	325	639.936	1048.76			66	393	639.133
2/18/2010	0557	325	640.411	1049.27			58	384	639.610
2/19/2010	0528	0	640.559	1101.80			74	0	639.760
2/20/2010	0:00								
2/21/2010	0:00								
2/22/2010	0547	325	641.857	1049.20			56	327	641.065
2/23/2010	0526	325	642.319	1048.39			55	328	641.529
2/24/2010	0542	326	642.791	1048.30			55	326	642.004
2/25/2010	0545	325	643.259	1048.84			55	327	642.474
2/26/2010	0522	325	643.697	1048.84			55	326	642.915
2/27/2010	0:00								
2/28/2010	0:00								
		TOTAL	12.202		TOTAL	-		TOTAL	12.288

COMMENTS : 2/18/10 to 2/19/10, off for programing.

Appendix F - Load Line 1 Flow Data
Former Nebraska Ordnance Plant, Mead Nebraska

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
3/1/2010	0523	325	645.097	1047.78			55	327	644.323
3/2/2010	0534	325	645.567	1047.94			55	327	644.795
3/3/2010	0535	325	646.034	1047.93			55	526	645.265
3/4/2010	0527	325	646.498	1048.29			56	326	645.732
3/5/2010	0522	325	646.964	1047.67			55	327	646.200
3/6/2010	0:00								
3/7/2010	0:00								
3/8/2010	0528	325	648.363	1048.18			55	327	647.608
3/9/2010	0549	325	648.836	1048.72			56	326	648.085
3/10/2010	0541	325	649.301	1048.76			56	326	648.552
3/11/2010	0549	325	649.764	1049.08			55	326	649.018
3/12/2010	0625	325	650.248	1048.98			55	327	649.505
3/13/2010	0:00								
3/14/2010	0:00								
3/15/2010	0525	325	651.604	1048.64			55	320	650.869
3/16/2010	0530	325	652.073	1048.07			55	327	651.340
3/17/2010	0536	324	652.541	1047.99			55	326	651.811
3/18/2010	0537	325	653.008	1047.64			55	323	652.281
3/19/2010	0522	324	653.470	1047.86			55	327	652.746
3/20/2010	0:00								
3/21/2010	0:00								
3/22/2010	0630	325	654.893	1047.55			55	325	654.177
3/23/2010	0529	325	655.338	1047.68			55	326	654.624
3/24/2010	0535	300	655.762	1051.92			56	311	655.050
3/25/2010	0521	320	656.210	1047.94			55	320	655.501
3/26/2010	0514	320	656.667	1047.28			56	321	655.961
3/27/2010	0:00								
3/28/2010	0:00								
3/29/2010	0529	320	658.051	1047.33			55	322	657.355
3/30/2010	0525	320	658.509	1047.43			55	321	657.816
3/31/2010	0525	316	658.955	1047.51			55	321	658.265
		TOTAL	14.305		TOTAL	-		TOTAL	14.392

COMMENTS :

Appendix F - Load Line 1 Flow Data
Former Nebraska Ordnance Plant, Mead Nebraska

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
4/1/2010	0528	315	659.401	1048.03			64	323	658.715
4/2/2010	0521	315	659.837	1048.61			63	245	659.153
4/3/2010	0:00								
4/4/2010	0:00								
4/5/2010	0524	325	661.215	1046.17			55	327	660.540
4/6/2010	0544	325	661.653	1045.58			56	327	660.982
4/7/2010	0529	325	662.112	1045.87			56	360	661.444
4/8/2010	0536	325	662.582	1044.91			55	327	661.917
4/9/2010	0536	325	663.049	1045.49			55	324	662.387
4/10/2010	0:00								
4/11/2010	0:00								
4/12/2010	0527	325	664.447	1044.83			55	326	663.794
4/13/2010	0529	325	664.914	1044.72			55	327	664.265
4/14/2010	0528	325	665.380	1044.61			56	326	664.734
4/15/2010	0532	325	665.848	1044.93			55	326	665.205
4/16/2010	0527	325	666.311	1043.75			55	329	665.672
4/17/2010	0828	325	666.837	1044.36			55	329	666.202
4/18/2010	0:00								
4/19/2010	0531	325	667.714	1043.87			55	328	667.084
4/20/2010	0538	325	668.183	1044.14			55	326	667.556
4/21/2010	0528	325	668.646	1043.94			55	328	668.023
4/22/2010	0617	325	669.129	1043.38			55	325	668.509
4/23/2010	0522	325	669.578	1043.27			55	328	668.962
4/24/2010	0:00								
4/25/2010	0:00								
4/26/2010	0535	326	670.984	1043.72			61	370	670.377
4/27/2010	0534	325	671.450	1043.68			55	325	670.846
4/28/2010	0529	325	671.917	1043.59			55	327	671.316
4/29/2010	0528	325	672.377	1043.21			55	327	671.780
4/30/2010	0517	325	672.834	1043.54			55	328	672.241
		TOTAL	13.901		TOTAL	-		TOTAL	13.997

COMMENTS :

Appendix F - Load Line 1 Flow Data
Former Nebraska Ordnance Plant, Mead Nebraska

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
5/1/2010	0:00		673.302						672.712
5/2/2010	0:00								
5/3/2010	0528	326	674.239	1042.61			55	326	673.654
5/4/2010	0527	325	674.694	1042.49			55	326	674.113
5/5/2010	0533	331	675.078	1059.97			68	362	674.500
5/6/2010	0630	326	675.564	1042.36			55	329	674.989
5/7/2010	0625	325	676.029	1043.07			55	326	675.457
5/8/2010	0:00								
5/9/2010	0:00								
5/10/2010	0635	324	677.421	1041.73			55	328	676.858
5/11/2010	0705	325	677.899	1041.52			56	327	677.339
5/12/2010	0645	325	678.365	1041.36			55	327	677.808
5/13/2010	0710	325	678.826	1041.39			59	373	678.273
5/14/2010	0642	325	679.273	1041.81			55	327	678.724
5/15/2010	0:00								
5/16/2010	0:00								
5/17/2010	0535	325	680.652	1040.54			55	328	680.113
5/18/2010	0532	325	681.118	1040.12			55	327	680.582
5/19/2010	0525	325	681.583	1040.38			55	326	681.050
5/20/2010	0526	325	682.049	1039.49			55	327	681.521
5/21/2010	0518	324	682.514	1040.16			55	328	681.989
5/22/2010	0635	325	683.009	1039.42			56	328	682.489
5/23/2010	0:00								
5/24/2010	0529	325	683.918	1040.01			55	327	683.405
5/25/2010	0526	325	684.380	1039.33			55	327	683.871
5/26/2010	0514	325	684.838	1039.16			55	327	684.333
5/27/2010	0530	325	685.310	1038.82			56	327	684.810
5/28/2010	0519	315	685.763	1041.43			55	318	685.266
5/29/2010	0:00								
5/30/2010	0:00								
5/31/2010	0:00								
		TOTAL	14.275		TOTAL	-		TOTAL	14.384

COMMENTS :

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
6/1/2010	0532	315	687.577	1040.65			55	317	687.095
6/2/2010	0531	315	687.976	1040.91			55	318	687.497
6/3/2010	0525	315	688.426	1040.59			55	317	687.950
6/4/2010	0630	315	688.905	1040.97			55	316	688.433
6/5/2010	0:00								
6/6/2010	0:00								
6/7/2010	0527	315	690.237	1040.21			55	315	689.774
6/8/2010	0527	315	390.689	1039.84			55	315	690.229
6/9/2010	0539	315	691.144	1040.47			55	318	690.688
6/10/2010	0546	315	691.598	1040.32			55	316	691.145
6/11/2010	0622	315	692.054	1040.13			56	318	691.039
6/12/2010	0:00								
6/13/2010	0:00								
6/14/2010	0552	315	693.392	1040.59			55	318	692.953
6/15/2010	0543	315	693.842	1039.97			55	316	693.405
6/16/2010	0517	315	694.289	1039.61			55	315	693.856
6/17/2010	0526	315	694.742	1038.89			56	317	694.312
6/18/2010	0540	315	695.198	1038.66			55	315	694.772
6/19/2010	0:00								
6/20/2010	0:00								
6/21/2010	0:00								
6/22/2010	0534	305	696.900	1043.30			55	308	696.487
6/23/2010	0:00								
6/24/2010	0524	305	697.746	1042.29			55	305	697.339
6/25/2010	0625	305	698.204	1041.50			56	308	697.802
6/26/2010	0:00								
6/27/2010	0:00								
6/28/2010	0517	305	699.488	1041.01			55	308	699.095
6/29/2010	0857	305	700.171	1040.81			55	307	699.617
6/30/2010	0533	305	700.370	1039.93			56	307	699.982
		TOTAL	13.231		TOTAL	-		TOTAL	13.329

COMMENTS :

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
7/1/2010	0537	306	700.809	1040.02			55	306	700.425
7/2/2010	0525	305	701.243	1039.41			55	307	700.863
7/3/2010	0:00								
7/4/2010	0:00								
7/5/2010	0:00								
7/6/2010	0556	305	703.005	1039.36			55	306	702.639
7/7/2010	0534	305	703.437	1038.86			55	308	703.073
7/8/2010	0529	305	703.873	1039.02			56	307	703.513
7/9/2010	0521	305	704.310	1038.53			56	314	703.953
7/10/2010	0:00								
7/11/2010	0:00								
7/12/2010	0525	305	705.625	1038.22			56	308	705.277
7/13/2010	0526	305	706.063	1037.47			55	306	705.719
7/14/2010	0538	305	706.504	1037.81			55	308	706.164
7/15/2010	0:00								
7/16/2010	0523	306	707.028	1040.82			55	308	706.692
7/17/2010	0:00								
7/18/2010	0:00								
7/19/2010	0555	304	708.322	1038.50			55	309	707.997
7/20/2010	0541	305	708.756	1038.17			55	307	708.435
7/21/2010	0530	305	709.191	1038.01			56	307	708.873
7/22/2010	0610	304	709.641	1038.10			55	302	709.326
7/23/2010	0522	304	710.666	1037.18			55	306	709.754
7/24/2010	0:00								
7/25/2010	0:00								
7/26/2010	0530	300	711.367	1038.47			55	302	711.065
7/27/2010	0543	300	711.799	1038.14			55	302	711.500
7/28/2010	0539	300	712.229	1037.86			55	302	711.933
7/29/2010	0535	300	712.659	1037.97			55	302	712.366
7/30/2010	0620	290	713.095	1040.71			55	292	712.806
7/31/2010	0:00								
		TOTAL	13.122		TOTAL	-		TOTAL	13.223

COMMENTS :

Appendix F - Load Line 1 Flow Data
Former Nebraska Ordnance Plant, Mead Nebraska

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
8/1/2010	0635	290	713.931	1040.37			56	296	713.648
8/2/2010	0546	290	714.330	1040.03			66	288	714.049
8/3/2010	0539	290	714.744	1039.53			55	294	714.466
8/4/2010	0523	290	715.140	1040.35			56	293	714.867
8/5/2010	0521	290	715.557	1039.02			55	292	715.286
8/6/2010	0622	290	715.994	1038.71			56	291	715.728
8/7/2010	0:00								
8/8/2010	0:00								
8/9/2010	0541	290	717.229	1039.03			55	292	716.971
8/10/2010	0557	290	717.650	1038.41			55	292	717.396
8/11/2010	0558	290	718.067	1037.62			54	288	717.816
8/12/2010	0537	290	718.477	1037.71			55	293	718.230
8/13/2010	0515	280	718.871	1040.68			55	280	718.628
8/14/2010	0:00								
8/15/2010	0:00								
8/16/2010	0537	280	720.084	1040.12			56	286	719.849
8/17/2010	0536	280	720.485	1040.33			55	279	720.253
8/18/2010	0545	280	720.890	1039.84			55	282	720.660
8/19/2010	0535	281	721.289	1040.14			55	282	721.063
8/20/2010	0521	280	721.688	1039.48			55	284	721.464
8/21/2010	0:00								
8/22/2010	0:00								
8/23/2010	0541	280	722.900	1038.45			56	281	722.685
8/24/2010	0531	280	723.184	1039.26			55	282	722.971
8/25/2010	0532	280	723.586	1038.71			55	281	723.376
8/26/2010	0534	279	723.888	1038.94			55	280	723.680
8/27/2010	0522	281	724.287	1038.87			55	281	724.081
8/28/2010	0:00								
8/29/2010	0:00								
8/30/2010	0517	280	725.490	1038.14			55	282	725.292
8/31/2010	0517	280	725.896	1038.26			55	281	725.697
		TOTAL	12.364		TOTAL	-		TOTAL	12.453

COMMENTS :

Appendix F - Load Line 1 Flow Data
Former Nebraska Ordnance Plant, Mead Nebraska

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
9/1/2010	0531	270	726.294	1044.14			58	301	726.101
9/2/2010	0519	270	726.678	1041.07			56	271	726.488
9/3/2010	0527	269	727.066	1041.01			55	270	726.876
9/4/2010	0:00								
9/5/2010	0:00								
9/6/2010	0:00								
9/7/2010	0635	270	728.640	1039.69			55	272	728.459
9/8/2010	0620	270	729.902	1039.67			55	270	728.843
9/9/2010	0630	270	729.411	1039.03			56	272	729.233
9/10/2010	0640	270	729.804	1039.09			55	272	729.628
9/11/2010	0:00								
9/12/2010	0:00								
9/13/2010	0539	270	730.931	1038.74			55	271	730.759
9/14/2010	0:00								
9/15/2010	0534	270	731.401	1041.05			64	186	731.229
9/16/2010	0521	270	733.211	1040.05			63	264	733.076
9/17/2010	0632	270	733.620	1039.67			55	271	733.487
9/18/2010	0:00								
9/19/2010	0:00								
9/20/2010	0543	270	734.128	1040.47			55	274	733.993
9/21/2010	0543	270	734.513	1039.99			62	305	734.379
9/22/2010	0550	270	735.377	1039.53			55	274	735.255
9/23/2010	0538	270	735.761	1039.76			54	270	735.641
9/24/2010	0525	269	736.146	1039.14			55	271	736.029
9/25/2010	0:00								
9/26/2010	0:00								
9/27/2010	0537	270	737.313	1038.72			56	271	737.012
9/28/2010	0531	270	737.691	1039.33			55	271	737.580
9/29/2010	0536	270	738.077	1038.72			55	288	737.967
9/30/2010	0526	270	738.462	1038.62			55	270	738.354
		TOTAL	12.553		TOTAL	-		TOTAL	12.640

COMMENTS :

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
10/1/2010	0517	270	738.848	1038.16			55	270	738.741
10/2/2010	0:00								
10/3/2010	0:00								
10/4/2010	0537	265	739.997	1039.72			55	265	739.894
10/5/2010	0539	265	740.378	1039.22			62	300	740.276
10/6/2010	0536	266	740.758	1039.92			56	274	740.657
10/7/2010	0539	265	741.140	1039.50			56	265	741.040
10/8/2010	0526	265	741.517	1039.22			55	266	741.419
10/9/2010	0:00								
10/10/2010	0:00								
10/11/2010	0542	0	742.124	1102.77			87	0	742.029
10/12/2010	0555	249	742.208	1046.95			81	0	742.113
10/13/2010	0542	265	742.583	1039.53			55	266	742.488
10/14/2010	0531	265	742.961	1039.60			55	268	742.867
10/15/2010	0522	265	743.339	1038.63			55	267	743.247
10/16/2010	0:00								
10/17/2010	0:00								
10/18/2010	0533	265	744.484	1038.22			55	265	744.395
10/19/2010	0529	265	744.855	1038.98			64	237	744.767
10/20/2010	0700	270	745.090	1038.24			56	272	745.006
10/21/2010	0527	0	745.273	1102.67			52	0	745.189
10/22/2010	0522	265	745.652	1038.69			61	104	745.568
10/23/2010	0:00								
10/24/2010	0:00								
10/25/2010	0529	265	746.795	1038.29			56	265	746.715
10/26/2010	0525	265	747.175	1037.76			64	283	747.096
10/27/2010	0538	265	747.560	1037.89			62	310	747.481
10/28/2010	0536	265	747.939	1038.24			55	266	747.861
10/29/2010	0531	266	748.319	1037.64			62	160	748.241
10/30/2010	0:00								
10/31/2010	0:00								
		TOTAL	10.573		TOTAL	-		TOTAL	10.601

COMMENTS :

Appendix F - Load Line 1 Flow Data
Former Nebraska Ordnance Plant, Mead Nebraska

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
11/1/2010	0528	255	749.420	1040.49			55	235	749.341
11/2/2010	0517	255	749.784	1040.37			59	292	749.704
11/3/2010	0555	255	750.160	1040.49			56	282	750.079
11/4/2010	0519	255	756.517	1039.95			61	299	750.435
11/5/2010	0518	255	750.884	1040.72			60	299	750.800
11/6/2010	0:00								
11/7/2010	0:00								
11/8/2010	0556	255	752.008	1039.35			56	280	751.925
11/9/2010	0550	255	752.372	1039.20			60	296	752.290
11/10/2010	0540	0	752.430	1102.64			56	0	752.342
11/11/2010	0:00								
11/12/2010	0625	0	752.430	1102.80			56	0	752.342
11/13/2010	0:00								
11/14/2010	0:00								
11/15/2010	0528	0	752.423	1014.71			74	0	752.417
11/16/2010	0536	0	752.423				74	0	752.417
11/17/2010	0630	0	752.423				74	0	752.417
11/18/2010	0546	0	752.423				73	0	752.417
11/19/2010	0517	0	752.423				73	0	752.417
11/20/2010	1115	0	752.423				72	0	752.417
11/21/2010	0:00								
11/22/2010	0537	0	752.423				60	0	752.451
11/23/2010	0528	0	752.423				59	0	752.451
11/24/2010	0531	0	752.424	1102.82			84	0	752.452
11/25/2010	0:00								
11/26/2010	0:00								
11/27/2010	0:00								
11/28/2010	0:00								
11/29/2010	0543	250	754.024	1048.13			58	290	753.961
11/30/2010	0536	274	754.220	1052.61			58	310	
		TOTAL	5.173		TOTAL	-		TOTAL	5.198

COMMENTS : EW-12 pulled on 11/12/10 for well rehab.

former Nebraska Ordnance Plant OU-2 GTP					LL1 Plant				
Gallons multiplied by 1,000,000 on Totalizer									
	PUMP NO.	EW -12			Influent	Influent	Sump	Discharge Pump	
DATE	TIME	325			Flow	Flow	Level	COMPUTER	
		GPM	Totalizer	ELEVATION	GPM	Totalizer	Percent	GPM	TOTALIZER
12/1/2010	0538	300	754.599	1034.69			55	301	754.540
12/2/2010	0539	290	755.016	1037.79			55	290	754.960
12/3/2010	0625	290	755.452	1038.05			55	291	755.398
12/4/2010	0:00								
12/5/2010	0:00								
12/6/2010	0527	0	755.867	1102.57			41	0	755.817
12/7/2010	0534	0	753.958	1102.62			72	0	755.902
12/8/2010	0613	295	756.390	1037.14			55	299	756.343
12/9/2010	0540	295	756.804	1037.33			56	297	756.760
12/10/2010	0516	295	757.221	1036.99			55	297	757.180
12/11/2010	0:00								
12/12/2010	0:00								
12/13/2010	0602	295	757.722	1050.72			55	296	757.685
12/14/2010	0541	295	758.140	1050.47			55	296	758.106
12/15/2010	0533	295	758.556	1050.69			55	297	758.525
12/16/2010	0943	295	759.055	1050.78			54	227	759.027
12/17/2010	0517	315	759.421	1047.11			55	317	759.396
12/18/2010	0:00								
12/19/2010	0:00								
12/20/2010	0541	315	760.787	1047.01			55	318	760.772
12/21/2010	0529	326	761.244	1045.47			55	326	761.233
12/22/2010	0535	325	761.713	1045.28			56	325	761.705
12/23/2010	0526	325	762.177	1045.39			55	327	762.172
12/24/2010	0:00								
12/25/2010	0:00								
12/26/2010	0:00								
12/27/2010	0544	325	764.512	1045.47			55	329	764.059
12/28/2010	0525	325	764.514	1045.31			55	326	764.525
12/29/2010	0536	325	764.984	1045.58			55	327	764.999
12/30/2010	0535	324	765.450	1045.70			56	328	765.469
12/31/2010	0:00								
		TOTAL	11.370		TOTAL	-		TOTAL	11.871

COMMENTS :

Appendix G
Analytical Results Summary for Load Line 1 Groundwater Treatment Plant

Appendix G - LL1 GTP Sampling Results
Former Nebraska Ordnance Plant
Mead, Nebraska

Influent is same as EW-12

Data Package	Sampling Event	Date Collected	VOCs (ug/L) Influent (EW-12)	Explosives (ug/L) Influent (EW-12)	VOCs (ug/L) Effluent	Explosives (ug/L) Effluent	Air (TCE) Effluent	TOC Influent	TSS Influent	Nitrate Effluent	Iron Influent	Manganese Influent
							ppm v/v	mg/L	mg/L	mg/L	mg/L	mg/L
8170	Week 1	2/13/2006	11.4 TCE	AC ND	AC ND	AC ND	AC ND	1.4	AC ND	8.51	AC ND	AC ND
8184	Week 2	2/20/2006	11.7 TCE	AC ND	AC ND	AC ND	AC ND	1.52	AC ND	8.63	AC ND	AC ND
8208	Week 3	2/27/2006	13.6 TCE	AC ND	AC ND	AC ND	AC ND	1.58	4	8.6	AC ND	AC ND
8242	Week 4	3/6/2006	14.6 TCE	AC ND	AC ND	AC ND	AC ND	1.44	AC ND	8.99	0.724	0.0054 (J)
8277	Month 1	3/13/2006	15 TCE	AC ND	AC ND	AC ND	AC ND	1.61	AC ND	9.26	0.348	AC ND
8289	Resample for air	3/16/2006					AC ND					
							Air (TCE) ug/m3					
8342	Month 2	4/3/2006	15.5 TCE	AC ND	AC ND	AC ND	AC ND	1.52	AC ND	8.85	AC ND	AC ND
0605008	Month 3	5/1/2006	16.5 TCE	AC ND	AC ND	AC ND	AC ND	1.41	3 (J)	10.3	AC ND	AC ND
0606023	Month 4	6/5/2006	17.4 TCE	AC ND	AC ND	AC ND	AC ND	1.5	AC ND	10.8	AC ND	AC ND
0607030	Month 5	7/5/2006	17.9 TCE	AC ND	AC ND	AC ND	AC ND	1.64	AC ND	12.1	AC ND	AC ND
0608003	Month 6	8/1/2006	17.8 TCE	AC ND	AC ND	AC ND	AC ND	1.57	AC ND	13.7	AC ND	AC ND
0609038	Month 7	9/6/2006	15.7 TCE	AC ND	AC ND	AC ND	AC ND	1.44	AC ND	11.4		
0610010	Month 8	10/2/2006	18.9 TCE	AC ND	AC ND	AC ND	AC ND	19.1	AC ND	9.46		
0611020	Month 9	11/1/2006	15.9 TCE	AC ND	AC ND	AC ND	AC ND	52.4	AC ND	9.94	AC ND	AC ND
0612020	Month 10	12/4/2006	15.3 TCE	AC ND	AC ND	AC ND	AC ND	44	AC ND	13.9		
0701009	Month 11	1/2/2007	16.3 TCE	AC ND	AC ND	AC ND	AC ND	2.87	3 (J)	11.6		
0702035	Month 12	2/6/2007	14.9 TCE	AC ND	AC ND	AC ND	AC ND	3.16	AC ND	7.78	AC ND	AC ND
0703033	Month 13	3/5/2007	16.3 TCE	AC ND	AC ND	AC ND	AC ND	0.83	AC ND	9.1		
0704007	Month 14	4/2/2007	15 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	AC ND	13.8		
120095	Month 15	5/21/2007	13 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	AC ND	12	0.042	AC ND
120426	Month 16	6/11/2007	12 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	AC ND	11		
120755	Month 17	7/2/2007	12 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	AC ND	12		
121268	Month 18	8/7/2007	14 TCE	AC ND	AC ND	AC ND	AC ND	2.3	0.5	12	0.042	AC ND
121772	Month 19	9/4/2007	12 TCE	AC ND	AC ND	AC ND	AC ND	0.5	1.9	12		
122239	Month 20	10/1/2007	13 TCE	AC ND	AC ND	AC ND	AC ND	1.2	0.5	11		
122788	Month 21	10/31/2007	13 TCE	AC ND	AC ND	AC ND	6.3/AC ND	1	0.5	12	0.042	AC ND
123249	Month 22	12/3/2007	12 TCE	AC ND	AC ND	AC ND	AC ND	3.8	AC ND	12		
123640	Month 23	1/2/2008	12 TCE	AC ND	AC ND	AC ND	AC ND	ND	AC ND	11		
123991	Month 24	1/30/2008	14 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	AC ND	11	0.042	AC ND
124359	Month 25	3/3/2008	12 TCE	AC ND	AC ND	AC ND	5.7	AC ND	AC ND	11		
124785	Month 26	4/1/2008	14 TCE	AC ND	AC ND	AC ND	7.6	AC ND	AC ND	11		
125363	Month 27	5/6/2008	14 TCE	AC ND	AC ND	AC ND	15	AC ND	AC ND	11	AC ND	AC ND
125968	Month 28	6/11/2008	14 TCE	AC ND	AC ND	AC ND	35	1.1	AC ND	11		
126345	Month 29	7/1/2008	14 TCE	AC ND	AC ND	AC ND	50	AC ND	AC ND	11		
126948	Month 30	8/5/2008	13 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	AC ND	10	AC ND	AC ND
127416	Month 31	9/2/2008	12 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	AC ND	10		
127981	Month 32	10/1/2008	17 TCE	0.11 (J) RDX	AC ND	0.3 RDX	AC ND	1.5	AC ND	4.1		
128596	Month 33	11/3/2008	15 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	0.6	9.7	AC ND	0.00058
129127	Month 34	12/2/2008	15 TCE	AC ND	0.27 (J) TCE	AC ND	AC ND	AC ND	0.6	9.7		
129571	Month 35	1/5/2009	16 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	0.6	11		
129942	Month 36	2/3/2009	18 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	AC ND	10	0.0458	0.00095
130428	Month 37	3/3/2009	21 TCE	AC ND	AC ND	AC ND	AC ND	1.1	AC ND	10		
130968	Month 38	3/31/2009	20 TCE	AC ND	AC ND	AC ND	AC ND	1.6	0.7	10		
131577	Month 39	5/5/2009	22 TCE	AC ND	0.25 (J) TCE	AC ND	AC ND	1.2	0.7	10	AC ND	AC ND
132057	Month 40	6/3/2009	23 TCE	NS	0.23 (J) TCE	NS	NS	NS	NS	10		
132478	Month 41	7/1/2009	25 TCE	NS	AC ND	NS	NS	NS	NS	10		
132962	Month 42	8/4/2009	25 TCE	AC ND	0.41 (J) TCE	AC ND	AC ND	AC ND	AC ND	10	AC ND	AC ND
133376	Month 43	9/1/2009	27 TCE	NS	AC ND	NS	NS	NS	NS	10		
133919	Month 44	10/1/2009	28 TCE	NS	AC ND	NS	NS	NS	NS	10		

Appendix G - LL1 GTP Sampling Results
Former Nebraska Ordnance Plant
Mead, Nebraska

Influent is same as EW-12

Data Package	Sampling Event	Date Collected	VOCs (ug/L) Influent (EW-12)	Explosives (ug/L) Influent (EW-12)	VOCs (ug/L) Effluent	Explosives (ug/L) Effluent	Air (TCE) Effluent	TOC Influent	TSS Influent	Nitrate Effluent	Iron Influent	Manganese Influent
							ppm v/v	mg/L	mg/L	mg/L	mg/L	mg/L
134497	Month 45	11/2/2009	29 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	AC ND	10	AC ND	AC ND
134899	Month 46	11/30/2009	29 TCE	NS	AC ND	NS	NS	NS	NS	10		
135329	Month 47	1/4/2010	30 TCE	NS	0.34 (J) TCE	NS	NS	NS	NS	10		
135784	Month 48	2/1/2010	29 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	AC ND	10	AC ND	AC ND
136162	Month 49	3/1/2010	29 TCE	NS	AC ND	NS	NS	NS	NS	11		
136620	Month 50	4/1/2010	27 TCE	NS	AC ND	NS	NS	NS	NS	9.9		
137174	Month 51	5/4/2010	31 TCE	AC ND	AC ND	AC ND	AC ND	AC ND	1.4	10	AC ND	AC ND
137547	Month 52	6/1/2010	33 TCE	NS	AC ND	NS	NS	NS	NS	10	NS	NS
137996	Month 53	7/1/2010	31 TCE	NS	AC ND	NS	NS	NS	NS	9.8	NS	NS
962-2	Month 54	8/2/2010	31 TCE	AC ND	AC ND	AC ND	AC ND	1.5	AC ND	10.8	0.2	0.015
1365-1	Month 55	8/31/2010	34 TCE	NS	AC ND	NS	NS	NS	NS	10.1	NS	NS
1821	Month 56	10/4/2010	35 TCE	NS	AC ND	NS	NS	NS	NS	10.2	NS	NS
2282	Month 57	11/1/2010	40 TCE	AC ND	AC ND	AC ND	AC ND	0.91 (J)	0.5	10.3	0.2	0.015
2746	Month 58	12/1/2010	43 TCE	NS	AC ND	NS	NS	NS	NS	10	NS	NS

Notes:

AC ND = All compounds Not detected
AOP = Advanced Oxidation Process
EW = extraction well
J = estimated
mg/L = millgrams per liter
NS = Not Sampled
NA = Not Applicable
ppm = parts per million
TCE = trichloroethene
TOC = total organic compounds
VOC = volatile organic compound
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 0.109 ppb was found in influent during March 2004
Estimated concentrations of cis 1,2 dichloroethene at 0.13 ppb was found in influent during January 2005
Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 0.11 ppb was found in influent during June 2005
Estimated concentrations of cis 1,2 dichloroethene at 0.74 ppb was found in influent during August 2005
Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 0.11 ppb was found in influent during August 2005
Methylene chloride found at influent concentration of 4.9 ppb during August 2005
Methylene chloride found at influent concentration of 2.8 ppb during September 2005

Appendix H
Monthly Flow Summary for Advanced Oxidation Process Groundwater Treatment Plant

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP														
			TANK				COOLING WATER			PSA		OZONE GENERATOR		
DATE	TIME	H202	LEVEL	FEED	WATER		FLOW	TEMP	CONC.	FLOW	DEW POINT	POWER	CONC	
		MLM	INCHES	GPM	PSI	RUN HOURS	GPM	DEGREES F	PERCENT	SLM	DEGREES F	KW	PERCENT	
1/1/2010	0:00													
1/2/2010	0:00													
1/3/2010	0:00													
1/4/2010	0609	23.5	32.0	533	15.9	13,770.0	25.0	69.7	92.7	127.0	-124.0	3.4	10.2	
1/5/2010	0538	0.0	31.9	0	4.0	13,772.0	0.1	63.6	64.1	1.5	-105.0	0.2	2.0	
1/6/2010	0545	23.6	31.0	544	17.3	13,792.0	24.8	74.9	92.8	127.4	-117.0	4.7	10.3	
1/7/2010	0:00													
1/8/2010	0:00													
1/9/2010	0:00													
1/10/2010	0:00													
1/11/2010	0551	23.6	27.2	541	20.0	13,862.0	24.7	58.2	92.6	127.3	-122.0	5.6	10.3	
1/12/2010	0538	23.6	26.0	540	19.5	13,885.0	24.0	58.3	92.7	126.9	-125.0	6.0	10.2	
1/13/2010	0541	23.6	24.8	538	18.7	13,909.0	23.9	58.4	92.8	126.9	-125.0	5.8	10.3	
1/14/2010	0526	23.5	23.6	533	18.3	13,932.0	24.4	58.5	92.8	127.2	-126.0	5.7	10.2	
1/15/2010	0520	23.6	22.4	528	17.5	13,956.0	24.6	58.5	92.8	126.8	-126.0	5.9	10.1	
1/16/2010	0710	23.6	21.0	532	16.4	13,982.0	24.6	57.6	92.1	127.2	-126.0	5.3	10.4	
1/17/2010	0:00													
1/18/2010	0526	23.6	18.7	526	16.4	14,028.0	23.9	57.5	92.1	127.2	-126.0	5.2	10.4	
1/19/2010	0525	23.6	17.4	517	17.5	14,052.0	24.1	57.7	92.1	126.9	-127.0	5.2	10.3	
1/20/2010	0559	23.6	16.2	527	16.2	14,076.0	24.2	57.8	92.1	126.7	-127.0	5.2	10.3	
1/21/2010	0543	23.5	15.0	519	16.8	14,100.0	23.7	57.8	92.1	127.1	-127.0	5.0	10.2	
1/22/2010	0605	23.5	13.7	522	15.7	14,124.0	24.2	57.8	92.3	126.8	-127.0	5.0	10.3	
1/23/2010	0:00													
1/24/2010	0:00													
1/25/2010	0606	23.7	38.2	514	16.8	14,196.0	24.7	57.3	92.1	126.7	-130.0	5.1	10.4	
1/26/2010	0544	23.4	37.0	512	16.5	14,219.0	24.1	57.4	92.3	127.1	-129.0	4.8	10.3	
1/27/2010	0543	23.5	35.9	514	16.3	14,243.0	24.2	57.5	92.2	127.1	-128.0	5.0	10.3	
1/28/2010	0551	23.2	34.7	523	16.6	14,266.0	24.0	57.4	92.3	127.0	-128.0	5.1	10.3	
1/29/2010	0518	23.4	33.5	519	15.7	14,289.0	23.9	57.5	92.2	126.7	-128.0	4.9	10.0	
1/30/2010	0:00													
1/31/2010	0:00													

COMMENTS 1/4/2010 AOP down due to air compressor failure.:

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP														
			TANK				COOLING WATER			PSA		OZONE GENERATOR		
DATE	TIME	H202	LEVEL	FEED	WATER		FLOW	TEMP	CONC.	FLOW	DEW POINT	POWER	CONC	
		MLM	INCHES	GPM	PSI	RUN HOURS	GPM	DEGREES F	PERCENT	SLM	DEGREES F	KW	PERCENT	
2/1/2010	0542	23.5	29.6	511	16.8	14,360.0	24.9	57.7	92.1	127.1	-125	5.1	10.2	
2/2/2010	0551	23.4	28.4	514	15.8	14,384.0	24.4	57.7	92.1	127.1	-126	5.2	10.4	
2/3/2010	0546	23.5	27.2	503	16.4	14,408.0	24.5	57.6	92.2	127.1	-127	4.9	10.4	
2/4/2010	0539	23.3	25.8	504	17.4	14,432.0	23.8	57.9	92.2	126.9	-124	5.2	10.2	
2/5/2010	0532	23.5	24.7	512	15.8	14,456.0	24.2	57.8	92.3	127	-125	5.0	10.4	
2/6/2010	0:00													
2/7/2010	0:00													
2/8/2010	3557	23.6	37.9	506	16.0	14,528.0	24.5	57.6	92.2	126.7	-125	5.0	10.2	
2/9/2010	3548	23.7	36.7	508	16.1	14,551.0	24.5	57.2	92.1	126.8	-130	4.5	10.3	
2/10/2010	0536	23.6	35.6	520	16.5	14,575.0	24.1	57.3	92.2	126.9	-131	4.5	10.3	
2/11/2010	0538	23.5	34.4	520	15.6	14,599.0	24.5	57.6	92.1	126.9	-126	4.7	10.4	
2/12/2010	0533	23.3	33.2	533	17.0	14,623.0	24.2	57.6	92.2	127.1	-126	4.6	10.3	
2/13/2010	0:00													
2/14/2010	0:00													
2/15/2010	0830	23.5	29.6	533	16.4	14,698.0	23.9	57.4	92.5	126.8	-132	3.8	10.2	
2/16/2010	0741	23.5	27.8	535	17.0	14,720.0	24.4	57.4	92.5	127	-128	4.1	10.3	
2/17/2010	0534	23.5	26.5	533	17.1	14,742.0	23.5	57.6	92.5	127.1	-131	5.0	10.3	
2/18/2010	0557	23.5	25.3	533	17.1	14,766.0	24.1	57.7	92.6	127.2	-129	5.0	10.3	
2/19/2010	0528	23.5	24.1	528	17.0	14,790.0	23.9	57.9	92.5	127.1	-127	4.6	10.3	
2/20/2010	0:00													
2/21/2010	0:00													
2/22/2010	0547	23.7	37.2	524	16.8	14,861.0	24	57.8	92.8	126.8	-130	4.8	10.3	
2/23/2010	0526	23.5	36.0	533	17.0	14,885.0	23.1	57.8	92.8	127.1	-131	4.9	10.3	
2/24/2010	0542	23.5	34.7	527	17.1	14,909.0	24.2	57.6	92.8	126.8	-135	4.3	10.2	
2/25/2010	0545	23.4	33.8	529	16.6	14,933.0	24.4	57.7	92.8	127.2	-134	4.9	10.3	
2/26/2010	0522	23.4	32.2	522	18.4	14,955.0	23.5	57.8	92.9	126.8	-129	4.8	10.2	
2/27/2010	0:00													
2/28/2010	0:00													

COMMENTS :

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					AOP										
			TANK					COOLING WATER			PSA		OZONE GENERATOR		
DATE	TIME	H202	LEVEL	FEED	WATER			FLOW	TEMP	CONC.	FLOW	DEW POINT		POWER	CONC
		MLM	INCHES	GPM	PSI	RUN HOURS		GPM	DEGREES F	PERCENT	SLM	DEGREES F		KW	PERCENT
3/1/2010	0523	23.6	28.2	520	16.8	15,027.0		24.4	58.0	92.8	127.2	-129.0		5.2	10.2
3/2/2010	0534	23.6	27.7	519	17.0	15,051.0		24.4	58.0	92.8	127.2	-130.0		5.2	10.2
3/3/2010	0535	23.6	26.5	519	16.8	15,075.0		23.9	58.0	92.8	127	-129.0		5.3	10.2
3/4/2010	0527	23.5	25.3	518	16.9	15,099.0		24.2	58.0	92.8	127.2	-129.0		5.3	10.2
3/5/2010	0522	23.5	24.0	523	16.4	15,123.0		24.4	58.0	92.8	127.2	-129.0		5.0	10.2
3/6/2010	0:00														
3/7/2010	0:00														
3/8/2010	0528	23.3	38.1	520	17.9	15,195.0		24.3	57.9	92.8	127.2	-128.0		4.9	10.3
3/9/2010	0549	23.5	36.3	519	17.0	15,219.0		24.0	57.8	92.8	127.1	-128.0		5.2	10.3
3/10/2010	0541	23.6	35.7	518	17.2	15,243.0		23.6	57.8	92.8	126.9	-129.0		5.0	10.2
3/11/2010	0549	23.4	34.5	523	16.7	15,257.0		24.6	58.3	92.4	126.8	-113.0		4.6	10.4
3/12/2010	0625	23.6	33.1	527	17.3	15,282.0		24.2	56.9	92.8	127.4	-129.0		4.1	10.2
3/13/2010	0:00														
3/14/2010	0:00														
3/15/2010	0525	23.6	30.0	524	17.2	15,350.0		25	57.3	90.2	126.8	-142.0		5.3	10.1
3/16/2010	0530	23.6	28.8	525	16.8	15,374.0		23.7	57.4	90.2	126.9	-142.0		5.0	10.2
3/17/2010	0536	23.5	27.7	523	17.0	15,398.0		24.1	57.5	90.2	127.1	-142.0		5.3	10.2
3/18/2010	0537	23.5	26.5	524	16.8	15,422.0		23.9	57.5	90.4	127.2	-142.0		4.6	10.2
3/19/2010	0522	23.5	25.5	517	17.4	15,446.0		23.3	57.3	91.1	125.6	-143.0		4.7	10.3
3/20/2010	0:00														
3/21/2010	0:00														
3/22/2010	0630	23.6	38.2	540	15.5	15,482.0		23.8	53.6	89.8	120.7	-112.0		3.4	10.5
3/23/2010	0529	23.8	37.1	541	17.6	15,505.0		23.9	57.6	90.7	117.8	-125.0		3.8	10.2
3/24/2010	0535	23.2	35.9	537	17.1	15,529.0		24.1	57.7	91.1	119.8	-126.0		4.3	10.2
3/25/2010	0521	23.5	34.7	535	17.0	15,552.0		24.1	57.7	91.1	116.3	-127.0		3.9	10.1
3/26/2010	0514	23.6	33.5	534	17.1	15,576.0		20.9	57.8	91.1	119.1	-126.0		3.4	10.2
3/27/2010	0:00														
3/28/2010	0:00														
3/29/2010	0529	23.3	29.2	532	17.6	15,648.0		23.8	57.9	91.1	116.5	-127.0		4.4	10.4
3/30/2010	0525	23.7	28.1	532	16.6	15,672.0		23.9	58.0	91.6	124.1	-124.0		4.5	10.2
3/31/2010	0525	23.9	27.0	526	16.7	15,696.0		24.1	58.0	91.5	122.4	-124.0		4.5	10.2

COMMENTS:

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					AOP										
			TANK					COOLING WATER			PSA		OZONE GENERATOR	
DATE	TIME	H202	LEVEL	FEED	WATER		FLOW	TEMP	CONC.	FLOW	DEW POINT	POWER	CONC
		MLM	INCHES	GPM	PSI	RUN HOURS	GPM	DEGREES F	PERCENT	SLM	DEGREES F	KW	PERCENT
4/1/2010	0528	23.6	25.9	530	17.4	15,720.0	23.8	58.2	91.6	114.2	-124.0	4.4	10.2
4/2/2010	0521	23.6	24.7	531	17.0	15,743.0	24.5	58.2	91.5	122.3	-127.0	4.8	10.3
4/3/2010	0:00												
4/4/2010	0:00												
4/5/2010	0524	23.6	38.0	529	16.8	15,815.0	23.9	58.9	91.2	116.4	-126.0	4.5	10.3
4/6/2010	0544	23.5	36.5	533	17.8	15,834.0	23.8	57.6	91.5	125.3	-112.0	4.2	10.2
4/7/2010	0529	23.7	35.3	536	18.4	15,857.0	23.9	58.5	91.1	120.9	-124.0	3.9	10.3
4/8/2010	0536	23.5	34.1	534	19.0	15,881.0	24.7	58.5	91	118.2	-125.0	3.9	10.2
4/9/2010	0536	23.6	32.0	532	17.1	15,905.0	24.7	58.6	91.1	118.4	-125.0	5.0	10.2
4/10/2010	0:00												
4/11/2010	0:00												
4/12/2010	0527	23.6	29.1	530	16.6	15,976.0	24.2	58.7	91.5	119.1	-124.0	3.4	10.3
4/13/2010	0529	23.5	27.8	531	16.7	16,000.0	24.4	58.7	91.5	119.8	-124.0	2.9	10.2
4/14/2010	0528	23.6	26.7	529	16.7	16,024.0	23.9	58.6	91.6	125.7	-125.0	3.8	10.3
4/15/2010	0532	23.6	25.4	534	16.1	16,048.0	24.0	58.8	91.6	125.5	-123.0	4.9	10.3
4/16/2010	0527	23.5	24.2	528	16.8	16,072.0	24.2	58.7	91.2	126.6	-125.0	4.0	10.3
4/17/2010	0828	23.6	39.8	528	16.8	16,099.0	23.5	58.8	91.1	120.1	-125.0	3.2	10.4
4/18/2010	0:00												
4/19/2010	0531	23.9	37.4	524	16.6	16,144.0	24.2	58.9	91.2	118.6	-125.0	3.5	10.3
4/20/2010	0538	23.6	36.2	527	16.9	16,168.0	24.1	59.0	91.5	124.8	-124.0	3.9	10.2
4/21/2010	0528	23.7	35.0	527	16.2	16,192.0	23.9	59.0	91.5	115.8	-124.0	3.8	10.3
4/22/2010	0617	23.4	33.9	534	16.2	16,215.0	24.6	58.8	91.6	126.5	-120.0	3.7	10.3
4/23/2010	0522	23.5	32.7	533	16.8	16,238.0	23.3	59.0	91.7	123.1	-123.0	4.7	10.2
4/24/2010	0:00												
4/25/2010	0:00												
4/26/2010	0535	23.5	29.1	537	17.2	16,297.0	24.3	60.0	91.5	125.6	-123.0	5.4	-
4/27/2010	0534	23.5	27.9	536	18.4	16,317.0	24.4	58.3	92.8	127.1	-131.0	3.7	10.3
4/28/2010	0529	23.6	26.8	529	18.9	16,340.0	24.6	58.4	92.8	127	-131.0	3.2	9.5
4/29/2010	0528	23.5	25.6	534	17.6	16,364.0	24.7	58.6	92.6	127	-135.0	3.5	10.1
4/30/2010	0517	23.5	24.4	537	18.5	16,382.0	24.1	58.1	92.5	127.1	-130.0	4.7	9.3

COMMENTS:

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					AOP										
			TANK					COOLING WATER			PSA		OZONE GENERATOR		
DATE	TIME	H202	LEVEL	FEED	WATER		FLOW	TEMP		CONC.	FLOW	DEW POINT		POWER	CONC
		MLM	INCHES	GPM	PSI	RUN HOURS	GPM	DEGREES F		PERCENT	SLM	DEGREES F		KW	PERCENT
5/1/2010	0:00														
5/2/2010	0:00														
5/3/2010	0528	23.6	38.4	526	17.9	16,454.0	24.2	60.1		92.8	127	-131.0		5.2	-
5/4/2010	0527	23.5	37.2	531	17.7	16,477.0	24.1	60.8		92.8	126.8	-130.0		6.7	-
5/5/2010	0533	23.5	36.0	534	16.9	16,501.0	24.4	61.1		92.7	127.3	-130.0		5.8	-
5/6/2010	0630	23.5	34.8	532	17.7	16,526.0	23.9	60.8		92.8	127.8	-131.0		6.9	
5/7/2010	0625	23.5	33.6	534	17.4	16,549.0	23.9	53.9		91.6	126.4	-148.0		3.2	0.5
5/8/2010	0:00														
5/9/2010	0:00														
5/10/2010	0635	23.5	31.0	535	16.7	16,619.0	23.4	58.4		92.8	126.6	-140.0		4.2	10.6
5/11/2010	0705	23.6	29.8	526	17.7	16,644.0	25.1	58.4		92.8	126.9	-138.0		4.3	10.0
5/12/2010	0645	23.7	28.6	522	16.9	16,668.0	23.7	57.9		92.9	126.9	-139.0		3.7	10.1
5/13/2010	0710	23.6	27.4	531	16.4	16,692.0	24.2	58.9		92.8	127.1	-138.0		3.4	10.2
5/14/2010	0642	23.4	26.2	528	17.1	16,715.0	23.7	58.0		92.8	126.6	-138.0		4.7	9.7
5/15/2010	0:00														
5/16/2010	0:00														
5/17/2010	0535	23.5	37.6	533	16.0	16,783.0	24.4	57.6		92.8	126.7	-140.0		2.3	10.5
5/18/2010	0532	23.8	36.2	492	15.9	16,797.0	23.9	58.9		92.2	126.8	-98.1		3.2	5.9
5/19/2010	0525	23.4	35.6	536	17.4	16,821.0	23.9	55.6		92.8	126.9	-133.0		0.5	3.8
5/20/2010	0526	23.8	34.2	532	16.4	16,845.0	24.1	55.8		92.8	127	-133.0		1.2	5.4
5/21/2010	0518	23.2	32.8	531	17.0	16,869.0	24.3	56.9		92.7	126.6	-135.0		2.6	-
5/22/2010	0635	23.6	31.6	534	16.7	16,894.0	23.9	56.3		92.7	127.2	-127.0		3.2	10.5
5/23/2010	0:00														
5/24/2010	0529	23.5	29.2	531	17.4	16,940.0	24.2	56.7		92.9	127.8	-117.0		3.6	10.6
5/25/2010	0526	23.5	28.0	534	15.2	16,964.0	24.3	56.2		92.8	127.4	-127.0		2.7	8.9
5/26/2010	0514	23.7	27.7	527	16.2	16,988.0	24.4	54.7		92.8	127.6	-130.0		0.3	2.5
5/27/2010	0530	23.6	26.5	529	18.3	17,009.0	24.0	56.0		92.8	127.7	-125.0		1.2	7.9
5/28/2010	0519	23.6	25.5	532	16.8	17,032.0	23.8	55.9		92.6	127.5	-133.0		4.7	8.1
5/29/2010	0:00														
5/30/2010	0:00														
5/31/2010	0:00														

COMMENTS :

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					AOP										
			TANK					COOLING WATER			PSA		OZONE GENERATOR	
DATE	TIME	H202	LEVEL	FEED	WATER		FLOW	TEMP	CONC.	FLOW	DEW POINT		POWER	CONC
		MLM	INCHES	GPM	PSI	RUN HOURS	GPM	DEGREES F	PERCENT	SLM	DEGREES F		KW	PERCENT
6/1/2010	0532	23.4	36.5	529	17.0	17,128.0	24.2	56.0	92.8	127.4	-130.0		1.8	7.0
6/2/2010	0531	23.7	35.4	510	15.9	17,145.0	24.1	58.8	92.5	127.2	-96.8		5.1	10.2
6/3/2010	0525	23.4	34.5	538	17.5	17,168.0	23.9	60.7	92.7	127.4	-132.0		14.0	0.0
6/4/2010	0630	23.7	33.4	528	18.0	17.2	23.9	56.5	92.8	127.7	-120.0		3.4	0.0
6/5/2010	0:00													
6/6/2010	0:00													
6/7/2010	0527	23.7	30.9	536	18.6	17,243.0	0.0	54.8	92.7	128.1	-122.0		0.1	0.0
6/8/2010	0527	0.0	30.8	0	6.1	17,244.0	0.0	73.4	92.3	31.5	-76.9		0.1	0.0
6/9/2010	0539	0.0	30.8	0	6.0	17,244.0	0.0	67.6	92.2	32.9	-85.0		0.1	0.0
6/10/2010	0546	0.0	30.8	0	6.3	17,244.0	0.0	75.3	92.4	31.2	-72.8		0.1	0.0
6/11/2010	0622	0.0	30.8	0	6.1	17,244.0	0.0	75.6	92.3	30.5	-75.7		0.1	0.0
6/12/2010	0:00													
6/13/2010	0:00													
6/14/2010	0552	0.0	39.6	0	5.8	17,244.0	0.0	72.6	92.2	31.4	-76.6		0.1	0.0
6/15/2010	0543	0.0	39.6	0	5.9	17,244.0	0.0	70.0	92.2	31.9	-80.1		0.1	0.0
6/16/2010	0517	0.0	39.6	0	5.9	17,244.0	0.0	69.1	92.2	32.2	81.3		0.1	0.0
6/17/2010	0526	0.0	39.6	0	5.8	17,244.0	0.0	77.2	92.4	30.6	-72.3		0.1	0.0
6/18/2010	0540	0.0	39.6	0	5.8	17,244.0	0.0	69.3	92.3	4.2	-77.4		0.1	0.0
6/19/2010	0:00													
6/20/2010	0:00													
6/21/2010	0:00													
6/22/2010	0534	0.0	39.6	0	-5.0	17,244.0	0.0	15.1	-6.1	1.1	-158.0		0.1	0.0
6/23/2010	0:00													
6/24/2010	0524	0.0	39.6	0	6.5	17,244.0	0.0	66.5	91.7	34.7	-62.8		0.0	0.0
6/25/2010	0625	0.0	39.6	0	6.4	17,244.0	0.0	72.1	92.5	32.3	-59.6		0.0	0.0
6/26/2010	0:00													
6/27/2010	0:00													
6/28/2010	0517	23.4	36.0	536	18.1	17,284.0	21.7	58.4	92.2	126.6	-105.0		5.1	8.5
6/29/2010	0857	23.6	34.9	537	18.7	17,308.0	22.6	58.5	92.3	127.5	-103.0		5.0	9.4
6/30/2010	0533	23.7	33.8	532	19.2	17,327.0	22.5	58.4	92.2	127.1	-112.0		5.1	9.8

COMMENTS :

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					AOP										
			TANK					COOLING WATER			PSA		OZONE GENERATOR	
DATE	TIME	H202	LEVEL	FEED	WATER		FLOW	TEMP	CONC.	FLOW	DEW POINT	POWER	CONC
		MLM	INCHES	GPM	PSI	RUN HOURS	GPM	DEGREES F	PERCENT	SLM	DEGREES F	KW	PERCENT
7/1/2010	0537	23.3	31.2	537	19.4	17,351.0	21.0	58.4	92.3	127.3	-110.0	5.5	10.2
7/2/2010	0525	23.3	30.2	542	17.6	17,375.0	23.0	58.6	92.4	129.0	-108.0	5.4	10.3
7/3/2010	0:00												
7/4/2010	0:00												
7/5/2010	0:00												
7/6/2010	0556	23.6	26.8	522	17.5	17,450.0	23.3	63.7	92.2	127.3	-82.5	6.0	10.2
7/7/2010	0534	23.7	25.7	532	18.3	17,474.0	21.3	59.0	92.4	126.3	-104.0	5.5	10.2
7/8/2010	0529	0.0	25.6	0	6.4	17,476.0	0.0	65.1	87.7	4.7	-74.9	0.1	0.1
7/9/2010	0521	0.0	24.9	0	8.3	17,490.0	0.1	56.4	72.7	21.1	-110.0	0.1	0.0
7/10/2010	0:00												
7/11/2010	0:00												
7/12/2010	0525	23.5	35.2	530	26.3	17,560.0	23.0	59.2	92.6	127.6	-108.0	6.3	10.2
7/13/2010	0526	23.2	34.1	529	26.3	17,582.0	22.5	59.2	92.6	127.1	-108.0	6.3	10.2
7/14/2010	0538	23.4	53.1	534	22.4	17,602.0	17.9	60.3	92.7	127.6	-99.3	6.3	10.3
7/15/2010	0:00												
7/16/2010	0523	0.0	325.0	0	7.6	17,613.0	0.1	66.7	93.0	5.9	-75.4	0.0	0.0
7/17/2010	0:00												
7/18/2010	0:00												
7/19/2010	0555	0.0	32.6	0	6.3	17,613.0	21.7	61.5	77.3	33.0	9.2	0.1	0.0
7/20/2010	0541	0.0	32.5	0	6.4	17,615.0	0.1	69.6	93.3	3.7	-53.7	0.1	0.0
7/21/2010	0530	23.8	31.4	533	19.9	17,636.0	22.1	59.8	92.7	127.1	-93.3	6.3	10.3
7/22/2010	0610	23.7	30.5	534	19.9	17,655.0	21.2	60.0	92.6	127.1	-90.6	6.3	10.2
7/23/2010	0522	23.6	29.4	541	19.7	17,677.0	21.5	59.8	92.7	127.6	-95.1	6.2	10.2
7/24/2010	0:00												
7/25/2010	0:00												
7/26/2010	0530	0.0	35.9	0	6.1	17,735.0	0.1	75.1	92.4	31.8	-61.1	0.1	0.0
7/27/2010	0543	23.5	35.0	536	18.3	17,753.0	20.6	59.0	92.5	127.4	-97.8	4.5	10.1
7/28/2010	0539	0.0	34.4	0	7.9	17,764.0	0.0	80.4	92.5	30.2	-59.1	0.1	0.0
7/29/2010	0535	0.0	34.4	0	6.0	17,764.0	0.0	76.9	92.4	31.4	-61.3	0.0	0.0
7/30/2010	0620	0.0	34.5	0	5.8	17,764.0	0.0	82.4	92.6	29.4	-58.3	0.0	0.0
7/31/2010	0:00												

COMMENTS :

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					AOP										
			TANK					COOLING WATER			PSA		OZONE GENERATOR	
DATE	TIME	H202	LEVEL	FEED	WATER		FLOW	TEMP	CONC.	FLOW	DEW POINT	POWER	CONC
		MLM	INCHES	GPM	PSI	RUN HOURS	GPM	DEGREES F	PERCENT	SLM	DEGREES F	KW	PERCENT
8/1/2010	0635	23.4	32.3	540	19.6	17,807.0	21.0	59.0	92.5	128.2	-106.0	5.9	10.3
8/2/2010	0546	23.5	31.2	536	19.7	17,830.0	20.1	59.5	92.8	127.5	-99.2	6.0	10.3
8/3/2010	0539	23.4	30.0	536	18.6	17,854.0	21	59.5	92.7	127.1	-101.0	6.0	10.2
8/4/2010	0523	23.6	29.0	530	19.8	17,875.0	20.7	59.9	92.4	127.9	-96.1	6.2	10.2
8/5/2010	0521	23.8	27.8	33.7	14.6	17,899.0	21.4	59.4	92.6	127.8	-105.0	6.0	10.3
8/6/2010	0622	23.7	26.5	532	20.2	17,924.0	20.5	58.9	92.5	128.4	-108.0	6.0	10.3
8/7/2010	0:00												
8/8/2010	0:00												
8/9/2010	0541	0.0	35.7	0	5.0	17,988.0	0.1	78.0	92.6	30.5	-63.1	0.0	0.0
8/10/2010	0557	0.0	35.2	475	21.4	18,000.0	0.1	66.0	92.2	30.1	-75.3	0.0	0.0
8/11/2010	0558	23.5	34.1	533	19.8	18,019.0	21.8	61.0	92.1	127.7	-84.9	6.1	10.3
8/12/2010	0537	0.0	33.8	0	2.8	18,024.0	0.1	78.9	92.5	30.2	-65.5	0.0	0.0
8/13/2010	0515	0.0	33.9	0	2.9	18,024.0	0.0	83.9	92.5	29.5	-61.9	0.0	0.0
8/14/2010	0:00												
8/15/2010	0:00												
8/16/2010	0537	0.0	33.9	0	2.9	18,024.0	0.0	70.6	92.3	32.8	-75.7	0.0	0.0
8/17/2010	0536	0.0	33.9	0	4.4	18,024.0	0.0	70.6	92.3	31.4	-69.2	0.0	0.0
8/18/2010	0545	23.8	32.9	533	20.0	18,043.0	21.7	59.2	92.4	127.2	-104.0	5.8	10.2
8/19/2010	0535	23.5	31.7	540	19.8	18,066.0	21.0	59.0	92.4	127.1	-105.0	5.9	10.2
8/20/2010	0521	23.7	30.5	53.9	19.2	18,090.0	21.1	59.5	92.4	127.3	-102.0	5.9	10.2
8/21/2010	0:00												
8/22/2010	0:00												
8/23/2010	0541	23.5	35.1	543	19.1	18,162.0	21.9	59.0	92.4	127.6	-107.0	5.9	10.3
8/24/2010	0531	23.5	34.2	540	18.9	18,179.0	20.8	59.1	92.5	177.0	-105.0	5.9	10.2
8/25/2010	0532	23.8	33.0	541	18.0	18,203.0	21.1	58.2	92.2	127.3	-116.0	5.6	10.2
8/26/2010	0534	23.5	32.1	539	19.1	18,220.0	20.9	58.5	92.2	127.3	-111.0	5.7	10.2
8/27/2010	0522	23.5	30.9	541	18.0	18,244.0	21.2	58.4	92.3	127.2	-113.0	5.7	10.2
8/28/2010	0:00												
8/29/2010	0:00												
8/30/2010	0517	23.6	27.4	542	18.5	18,314.0	18.8	58.8	92.6	127.1	-104.0	5.2	10.2
8/31/2010	0517	23.4	26.2	542	19.1	18,338.0	21.5	59.0	925	124.4	-103.0	5.3	10.3

COMMENTS :

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					AOP										
			TANK					COOLING WATER			PSA		OZONE GENERATOR		
DATE	TIME	H202	LEVEL	FEED	WATER			FLOW	TEMP	CONC.	FLOW	DEW POINT	POWER	CONC	
		MLM	INCHES	GPM	PSI	RUN HOURS		GPM	DEGREES F	PERCENT	SLM	DEGREES F	KW	PERCENT	
9/1/2010	0531	0.0	25.9	0	6.0	18,344.0		0	71.7	92.6	34.9	-73.8	0.0	0.6	
9/2/2010	0519	0.0	25.9	0	5.8	18,344.0		0	68.5	92.3	35.0	-76.0	0.0	0.6	
9/3/2010	0527	0.0	25.9	0	5.5	18,344.0		0	61.5	92.2	37.4	-83.6	0.0	0.6	
9/4/2010	0:00														
9/5/2010	0:00														
9/6/2010	0:00														
9/7/2010	0635	0.0	38.8	0	5.7	18,344.0		0	65.7	92.2	34.6	-77.5	0.0	0.5	
9/8/2010	0620	0.0	38.8	0	4.8	18,344.0		0	61.2	92.1	36.4	-83.4	0.0	0.5	
9/9/2010	0630	0.0	38.8	0	4.7	18,344.0		0	68.1	92.1	34.4	-76.0	0.0	0.5	
9/10/2010	0640	0.0	38.8	0	4.7	18,344.0		0	68.2	92.3	36.3	-75.9	0.0	0.5	
9/11/2010	0:00														
9/12/2010	0:00														
9/13/2010	0539	0.0	38.8	0	4.8	18,344.0		0	66.1	92.1	35.1	-78.6	0.0	0.5	
9/14/2010	0:00														
9/15/2010	0534	0.0	38.8	0	5.8	18,344.0		0	71.1	92.1	35.3	-73.2	0.0	0.6	
9/16/2010	0521	23.6	37.8	541	19.2	18,364.0		20.7	59.1	92.5	127.4	-104.0	5.3	10.2	
9/17/2010	0632	23.6	35.5	540	18.9	18,389.0		21.5	58.5	92.4	127.1	-113.0	5.2	10.2	
9/18/2010	0:00														
9/19/2010	0:00														
9/20/2010	0543	23.5	33.5	541	18.8	18,450.0		21.0	57.8	92.6	127.3	-111.0	5.1	10.2	
9/21/2010	0543	23.6	32.4	537	20.0	18,473.0		21.1	58.7	92.5	127.6	-101.0	5.4	10.3	
9/22/2010	0550	23.3	31.2	547	18.6	18,496.0		21.4	58.5	92.5	127.8	-106.0	5.3	10.3	
9/23/2010	0538	23.8	30.1	545	19.0	18,520.0		20.7	58.7	92.5	127.1	-103.0	5.3	10.2	
9/24/2010	0525	23.7	28.8	537	19.1	18,543.0		22.5	57.2	92.1	127.4	-124.0	5.0	10.3	
9/25/2010	0:00														
9/26/2010	0:00														
9/27/2010	0537	23.7	25.2	546	17.2	18,615.0		19.9	57.3	92.4	126.9	-122.0	5.0	10.2	
9/28/2010	0531	23.6	54.0	543	18.6	18,639.0		20.3	57.2	92.2	127.2	-123.0	5.0	10.3	
9/29/2010	0536	23.7	22.8	544	18.5	18,663.0		19.9	57.2	92.4	127.4	-123.0	5.0	10.2	
9/30/2010	0526	23.6	21.6	541	18.6	18,687.0		20	57.3	92.2	126.9	-123.0	5.0	10.2	

COMMENTS :

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					AOP										
			TANK					COOLING WATER			PSA			OZONE GENERATOR	
DATE	TIME	H202	LEVEL	FEED	WATER			FLOW	TEMP	CONC.	FLOW	DEW POINT		POWER	CONC
		MLM	INCHES	GPM	PSI	RUN HOURS		GPM	DEGREES F	PERCENT	SLM	DEGREES F		KW	PERCENT
10/1/2010	0517	23.6	20.4	544	19.1	18,711.0		19.6	57.2	92.3	127	-123.0		5.0	10.3
10/2/2010	0:00														
10/3/2010	0:00														
10/4/2010	0537	23.3	35.2	540	18.3	18,783.0		19.4	57.2	924	127.5	-121.0		5.1	10.3
10/5/2010	0539	23.6	34.1	544	17.4	18,807.0		18.8	57.1	92.5	127.8	-122.0		5.0	10.3
10/6/2010	0536	23.5	32.9	548	16.8	18,830.0		17.2	57.1	92.4	127.1	-123.0		5.0	10.3
10/7/2010	0539	23.7	31.8	545	18.0	18,850.0		17.9	57.0	92.4	127.5	-121.0		4.9	10.2
10/8/2010	0526	23.7	30.7	541	17.9	18,874.0		18.5	57.0	92.4	127.4	-123.0		4.9	10.3
10/9/2010	0:00														
10/10/2010	0:00														
10/11/2010	0542	23.5	27.1	541	17.9	18,945.0		18.6	56.7	92.4	127.2	-123.0		4.6	10.2
10/12/2010	0555	23.5	26.4	530	17.4	18,959.0		17.0	60.2	92.4	127.0	-94.5		4.5	10.2
10/13/2010	0542	23.6	25.3	536	18.7	18,983.0		16.6	56.7	92.4	127.2	-122.0		4.5	10.2
10/14/2010	0531	23.5	24.0	541	18.0	19,006.0		17.2	56.7	92.4	127.0	-122.0		4.5	10.3
10/15/2010	0522	23.5	23.0	53.8	18.5	19,027.0		17.7	56.6	9.25	127.3.	-122.0		4.5	10.3
10/16/2010	0:00														
10/17/2010	0:00														
10/18/2010	0533	23.6	35.1	536	18.5	19,099.0		16.7	55.9	92.4	127.3	-134.0		4.4	10.3
10/19/2010	0529	23.5	33.9	541	18.1	19,123.0		15.7	55.8	92.1	127.0	-141.0		4.4	10.2
10/20/2010	0700	23.5	33.3	537	17.8	19,136.0		17.5	57.6	92.5	127.1	-104.0		4.5	10.2
10/21/2010	0527	23.7	32.2	540	18.0	19,158.0		17.9	56.7	92.5	127.2	-120.0		4.6	10.2
10/22/2010	0522	23.6	31.0	540	18.1	19,182.0		162	56.6	92.5	127.5	-121.0		4.6	10.3
10/23/2010	0:00														
10/24/2010	0:00														
10/25/2010	0529	23.6	27.5	541	17.6	19,254.0		17.2	56.6	92.6	127.4	-122.0		4.6	10.3
10/26/2010	0525	23.6	26.3	540	17.0	19,278.0		17.5	56.5	92.5	127.3	-124.0		4.6	10.3
10/27/2010	0538	23.5	25.1	537	18.7	19,302.0		16.8	56.5	92.5	127.5	-124.0		4.6	10.3
10/28/2010	0536	23.3	23.9	543	17.6	19,326.0		17.6	56.6	92.7	127.2	-123.0		4.7	10.2
10/29/2010	0531	23.8	22.7	537	17.8	19,349.0		17.3	56.6	92.6	127.3	-123.0		4.6	10.3
10/30/2010	0:00														
10/31/2010	0:00														

COMMENTS :

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					AOP										
			TANK					COOLING WATER			PSA		OZONE GENERATOR	
DATE	TIME	H202	LEVEL	FEED	WATER		FLOW	TEMP	CONC.	FLOW	DEW POINT	POWER	CONC
		MLM	INCHES	GPM	PSI	RUN HOURS	GPM	DEGREES F	PERCENT	SLM	DEGREES F	KW	PERCENT
11/1/2010	0528	23.4	35.7	543	16.8	19,421.0	17.5	56.5	92.7	127.2	-123.0	4.6	10.2
11/2/2010	0517	23.7	34.5	539	17.6	19,445.0	16.6	56.5	92.6	127.2	-123.0	4.6	10.2
11/3/2010	0555	23.8	33.2	536	17.1	19,469.0	16.6	56.5	92.6	127.4	-124.0	4.6	10.3
11/4/2010	0519	23.4	32.0	541	18.2	19,493.0	16.0	56.5	92.6	127.3	-124.0	4.6	10.2
11/5/2010	0518	23.7	30.8	534	18.1	1,951.3	16.9	56.4	92.6	127.2	-124.0	4.6	10.3
11/6/2010	0:00												
11/7/2010	0:00												
11/8/2010	0556	23.2	27.2	539	17.4	19,590.0	17.6	56.4	92.6	127.8	-125.0	4.7	10.2
11/9/2010	0550	23.4	26.0	539	17.7	19,614.0	17.1	56.4	62.6	127.5	-125.0	4.7	10.2
11/10/2010	0540	23.6	24.7	538	17.8	19,637.0	17.6	56.3	92.6	127.9	-127.0	4.7	10.2
11/11/2010	0:00												
11/12/2010	0625	23.6	22.3	539	16.7	19,686.0	16.3	56.3	92.7	127.4	-125.0	4.8	10.3
11/13/2010	0:00												
11/14/2010	0:00												
11/15/2010	0528	23.6	36.1	542	17.0	19,744.0	17.6	56.2	92.3	127.0	-124.0	4.6	10.2
11/16/2010	0536	23.5	34.9	538	17.5	19,768.0	17.6	56.2	92.4	127.1	-124.0	4.6	10.2
11/17/2010	0630	23.8	33.6	537	17.0	19,793.0	16.3	56.1	92.4	127.2	-124.0	4.6	10.2
11/18/2010	0546	23.6	32.4	537	17.0	19.8	18.1	56.1	92.2	127.2	-125.0	4.6	10.3
11/19/2010	0517	23.8	31.3	533	17.9	19,839.0	17.7	56.1	92.4	127.6	-124.0	4.6	10.3
11/20/2010	1115	24.2	29.8	536	17.2	19,868.0	18.3	56.1	92.6	127.6	-125.0	4.7	10.3
11/21/2010	0:00												
11/22/2010	0537	23.1	27.6	536	17.5	19,910.0	16.6	56.1	92.6	127.4	-126.0	4.7	10.3
11/23/2010	0528	24.3	26.4	537	17.6	19,934.0	17.1	56.0	92.6	127.1	-126.0	4.8	10.2
11/24/2010	0531	24.2	25.2	534	17.7	19,958.0	16.5	56.0	92.6	127.5	-126.0	4.7	10.2
11/25/2010	0:00												
11/26/2010	0:00												
11/27/2010	0:00												
11/28/2010	0:00												
11/29/2010	0543	28.8	31.4	533	17.6	20,078.0	17.5	56.4	92.6	141.4	-128.0	5.7	10.4
11/30/2010	0536	30.7	29.9	535	18.0	20,101.0	17.9	56.2	92.5	141.2	-129.0	5.7	10.3

COMMENTS:

Appendix H
AOP Flow Data - 2010
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					AOP										
			TANK					COOLING WATER			PSA		OZONE GENERATOR	
DATE	TIME	H202	LEVEL	FEED	WATER		FLOW	TEMP	CONC.	FLOW	DEW POINT	POWER	CONC
		MLM	INCHES	GPM	PSI	RUN HOURS	GPM	DEGREES F	PERCENT	SLM	DEGREES F	KW	PERCENT
12/1/2010	0538	30.7	28.3	535	17.5	20,125.0	16.9	55.9	92.4	141.3	-138.0	5.6	10.3
12/2/2010	0539	29.7	26.7	535	18.1	20,149.0	17.1	55.7	92.4	141.0	-141.0	5.5	10.3
12/3/2010	0625	29.0	25.1	534	17.9	20,174.0	16.3	55.7	92.4	140.8	-141.0	5.4	10.3
12/4/2010	0:00												
12/5/2010	0:00												
12/6/2010	0527	29.3	21.1	539	17.2	20,236.0	17.9	55.4	92.4	141.2	-137.0	5.4	10.3
12/7/2010	0534	27.5	19.5	540	16.9	20,260.0	17.9	55.4	92.3	140.7	-137.0	5.5	10.2
12/8/2010	0613	31.1	17.9	535	17.8	20,284.0	15.1	55.4	92.4	140.8	-137.0	5.4	10.3
12/9/2010	0540	28.9	16.4	531	18.6	20,308.0	16.4	55.2	92.4	140.9	-142.0	5.4	10.3
12/10/2010	0516	27.9	15.2	535	18.2	20,327.0	14.5	55.5	924	141.0	-132.0	5.6	10.3
12/11/2010	0:00												
12/12/2010	0:00												
12/13/2010	0602	37.8	34.3	534	17.5	20,398.0	16.6	55.5	92.5	140.7	-132.0	5.6	10.3
12/14/2010	0541	37.8	32.7	531	19.2	20,421.0	17.0	55.6	92.5	141.1	-131.0	5.6	10.2
12/15/2010	0533	30.4	31.2	536	18.0	20,445.0	15.5	55.6	92.5	141.3	-132.0	5.6	10.2
12/16/2010	0943	32.3	29.9	529	18.1	20,466.0	16.1	55.4	92.4	141.1	-119.0	5.7	10.3
12/17/2010	0517	30.6	28.6	534	18.1	20,485.0	18.5	55.5	92.5	140.7	-129.0	5.8	10.3
12/18/2010	0:00												
12/19/2010	0:00												
12/20/2010	0541	30.4	23.9	534	17.6	20,558.0	17.1	55.5	92.6	140.5	-132.0	5.7	10.2
12/21/2010	0529	30.2	22.4	532	19.0	20,581.0	14.1	55.3	92.5	140.8	-140.0	5.7	10.3
12/22/2010	0535	30.5	20.8	530	18.7	20,605.0	16.8	55.3	92.5	141.2	-139.0	5.8	-
12/23/2010	0526	29.6	36.8	535	18.5	20,629.0	17.7	54.5	92.1	140.3	-148.0	5.3	10.2
12/24/2010	0:00												
12/25/2010	0:00												
12/26/2010	0:00												
12/27/2010	0544	30.3	30.7	528	17.3	20,723.0	16.7	55.4	92.5	141.0	-134.0	5.8	10.3
12/28/2010	0525	30.3	29.2	534	16.9	20,747.0	17.2	55.4	92.5	140.7	-135.0	5.8	10.2
12/29/2010	0536	30.3	27.7	531	18.1	20,771.0	16.5	55.5	92.6	140.8	-133.0	5.8	10.2
12/30/2010	0535	30.4	26.1	530	18.9	20,795.0	17.2	55.3	92.6	141.0	-138.0	5.7	10.2
12/31/2010	0:00												

COMMENTS: 12/21/10 went to manual on the ozone generator. Have no ozone concentration to report.

Appendix I
Analytical Results Summary for the Advanced Oxidation Process Groundwater Treatment Plant

Appendix I AOP GTP Sampling Results
Former Nebraska Ordnance Plant
Mead, Nebraska

Influent is same FEW-11

Data Package	Sampling Event	Date Collected	VOCs (ug/L) Influent	Explosives Influent (ug/L)	VOCs (ug/L) Effluent	Explosives Effluent (ug/L)	TOC Influent mg/L
1403831/32-124672	Week 1	3/25/2008	5800 TCE	1.8 RDX	6 TCE	1.6 RDX	ND
1408792/93-124882	Week 2	4/7/2008	5407 TCE	2.4 RDX	7 TCE	2.1 RDX	ND
125114	Week 3	4/21/2008	5200 TCE	2.9 RDX	1.2 TCE	2.4 RDX	ND
125393	Week 4	5/6/2008	4500 TCE	3 RDX	1.6 TCE	2.6 RDX	ND
125587	Week 5	5/20/2008	4500 TCE	3.1 RDX	0.83 (J) TCE	2.6 RDX	ND
125992	Week 6	6/12/2008	3900 TCE	3.3 RDX	0.2 (J) TCE	2.5 RDX	ND
126201	Week 7	6/24/2008	4000 TCE	3.2 RDX	0.52 (J) TCE	2.7 RDX	ND
126601	Month 1	7/16/2008	3800 TCE	2.9 RDX	0.43 (J) TCE	2.6 RDX	1.4
126945	Month 2	8/5/2008	3800 TCE	3.6 RDX	0.55 (J) TCE	2.8 RDX	ND
127440	Month 3	9/2/2008	3400 TCE	4.3 RDX	0.65 (J) TCE	3.3 RDX	ND
127980	Month 4	10/1/2008	3300 TCE	4.4 RDX	0.42 (J) TCE	3.3 RDX	ND
128594	Month 5	11/3/2008	2800 TCE	4.3 RDX	0.57 (J) TCE	3.2 RDX	ND
129123	Month 6	12/2/2008	2700 TCE	3.9 RDX	0.29 (J) TCE	3.0 RDX	ND
129574	Month 7	1/5/2009	2600 TCE	3.5 RDX	AC ND	2.7 RDX	ND
129943	Month 8	2/3/2009	2400 TCE	4.1 RDX	0.22 (J) TCE	3.0 RDX	ND
130429	Month 9	3/3/2009	2200 TCE	3.7 RDX	0.48 (J) TCE	2.5 RDX	1
130961	Month 10	3/31/2009	2500 TCE	4.0 RDX	0.29 (J) TCE	2.5 RDX	1.2
131586	Month 11	5/4/2009	2500 TCE	3.7 RDX	0.26 (J) TCE	2.5 RDX	ND
132059	Month 12	6/3/2009	2300 TCE	3.4 RDX	0.4 (J) TCE	2.8 RDX	NS
132475	Month 13	7/1/2009	2400 TCE	3.7 RDX	0.29 (J) TCE	2.8 RDX	NS
132963	Month 14	8/4/2009	2300 TCE	3.8 RDX	0.95 (J) TCE	2.8 RDX	ND
133367	Month 15	9/1/2009	2200 TCE	3.5 RDX	0.81 (J) TCE	2.8 RDX	NS
133915	Month 16	10/1/2009	2000 TCE	4 RDX	1 TCE	2.7 RDX	NS

Appendix I AOP GTP Sampling Results
Former Nebraska Ordnance Plant
Mead, Nebraska

Data Package	Sampling Event	Date Collected	VOCs (ug/L) Influent	Explosives Influent (ug/L)	VOCs (ug/L) Effluent	Explosives Effluent (ug/L)	TOC Influent mg/L
134504	Month 17	11/2/2009	1900 TCE	3.6 RDX	1.4 TCE	2.8 RDX	ND
134899	Month 18	11/30/2009	2100 TCE	3.4 RDX	0.86 (J) TCE	2.8 RDX	NS
135418	Month 19	1/11/2010	2000 TCE	3.1 RDX	0.67 (J) TCE	2.7 RDX	NS
135781	Month 20	2/1/2010	2800 TCE	3.2 RDX	1.1 TCE	2.8 RDX	ND
136159	Month 21	3/1/2010	1600 TCE	3.1 RDX	0.58 (J) TCE	2.6 RDX	NS
136620	Month 22	4/1/2010	1200 TCE	3.2 RDX	1.1 TCE	2.9 RDX	NS
137158	Month 23	5/3/2010	2000 TCE	3 RDX	AC ND	2.4 RDX	1.6
137544	Month 24	6/1/2010	1900 TCE	3.1 RDX	7.2 TCE	2.7 RDX	NS
137992	Month 25	7/1/2010	2000 TCE	2.7 RDX	0.92 (J) TCE	2.4 RDX	NS
962-1	Month 26	8/2/2010	2000 TCE	3.68 RDX	AC ND	2.84 RDX	0.81 (J)
1365-1	Month 27	8/31/2010	2000 TCE	4.54 RDX	1.3 TCE	3.4 RDX	NS
1821	Month 28	10/4/2010	1900 TCE	3.78 RDX	1.6 TCE	3.22 RDX	NS
2281	Month 29	11/1/2010	1900 TCE	3.39 RDX	2 TCE	2.84 RDX	0.95 (J)
2741	Month 30	12/1/2010	1800 TCE	3.6 RDX	0.84 (J) TCE	3.07 RDX	NS

Notes:

AC ND = All compounds Not detected
AOP = Advanced Oxidation Process
FEW = focused extraction well
J = estimated
mg/L = millgrams per liter
NS = Not Sampled
NA = Not Applicable
TCE = trichloroethene
TOC = total organic compounds
VOC = volatile organic compound
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 0.8 ppb was found in influent during April 7, 2008

Estimated concentrations of 2,4,6-TNT at 0.031 ppb was found in effluent during March 2008

Estimated concentrations of 2,4,6-TNT at 0.059 ppb was found in effluent during April 7, 2008

Estimated concentrations of 2,4,6-TNT at 0.076 ppb was found in effluent during April 21, 2008

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 0.8 ppb was found in influent during April 7, 2008

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 1.1 ppb was found in influent during April 7, 2008

Appendix I AOP GTP Sampling Results
Former Nebraska Ordnance Plant
Mead, Nebraska

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 1.3 ppb was found in influent during May 20, 2008

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 1.3 ppb was found in influent during June 24, 2008

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 1.2 ppb was found in influent during July 16, 2008

Estimated concentrations of 2,4,6-TNT at 0.078 ppb was found in effluent during August 2008

Estimated concentrations of HMX at 0.086 ppb was found in influent during August 2008

Estimated concentrations of cis-1,2 dichloroethene at 7.4 ppb was found in influent during August 2008

Estimated concentrations of cis-1,2 dichloroethene at 7.9 ppb was found in influent during September 2008

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 1.3 ppb was found in influent during September 2008

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 1.4 ppb was found in influent during October 2008

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 1.3 ppb was found in influent during November 2008

Estimated concentrations of cis-1,2 dichloroethene at 6.3 ppb was found in influent during November 2008

Estimated concentrations of HMX at 0.1 and 0.13 ppb was found in influent and effluent during January 2009

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 1.3 ppb was found in effluent during January 2009

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 1.0 ppb was found in effluent during April 2009

Estimated concentrations of 4-Amino-2,6-dinitrotoluene at 1.0 ppb was found in influent during January 2010

Estimated concentrations of cis-1,2 dichloroethene at 4.7 ppb was found in influent during September 2010

Appendix J
Monthly Flow Summary for Load Line 4 Groundwater Treatment Plant

Appendix J - LL4 Flow Data
Former Nebraska Ordnance Plant, Mead, Nebraska

former NEBRASKA ORDNANCE PLANT OU-2 GTP					LL4 Plant			
Gallons multiplied by 1,000,000 on Totalizer								
	PUMP NO.	EW -15			Sump	Discharge Pump		
DATE	TIME	500			Level	COMPUTER	MAIN PLANT	WAHOO CREEK
		GPM	Totalizer	DEPTH TO WATER	Percent	GPM	TOTALIZER	TOTALIZER
8/1/2010	0635	377	49.948	53.80	57	393	51.942	
8/2/2010	0546	376	50.467	53.80	57	392	52.483	
8/3/2010	0539	377	51.009	53.80	58	393	53.472	
8/4/2010	0523	384	51.516	53.80	58	400	53.576	
8/5/2010	0521	381	52.066	53.80	57	398	54.147	
8/6/2010	0622	380	52.641	53.80	58	396	54.745	
8/7/2010	0:00							
8/8/2010	0:00							
8/9/2010	0541	379	54.266	53.80	57	397	56.438	
8/10/2010	0557	380	54.819	53.80	57	397	57.137	
8/11/2010	0558	380	55.368	53.80	57	396	57.585	
8/12/2010	0537	380	55.906	53.80	57	397	58.146	
8/13/2010	0515	381	56.446	53.80	57	397	58.708	
8/14/2010	0:00							
8/15/2010	0:00							
8/16/2010	0537	377	58.086	53.80	57	394	60.420	
8/17/2010	0536	377	58.632	53.80	57	394	60.985	
8/18/2010	0545	0	58.702	63.00	60	0	61.593	
8/19/2010	0535	0	58.702	63.30	61	0	61.593	
8/20/2010	0521	595	59.189	53.80	57	413	61.565	
8/21/2010	0:00							
8/22/2010	0:00							
8/23/2010	0541	382	60.866	53.80	57	399	63.313	
8/24/2010	0531	388	61.265	53.80	58	407	63.729	
8/25/2010	0532	383	61.821	53.80	57	401	64.308	
8/26/2010	0534	387	62.240	53.80	58	403	64.745	
8/27/2010	0522	509	62.945	50.50	59	520	65.478	
8/28/2010	0:00							
8/29/2010	0:00							
8/30/2010	0517	496	65.111	50.50	58	518	67.735	
8/31/2010	0517	495	65.824	50.50	57	518	68.478	
		TOTAL	16.594			TOTAL	17.285	-

COMMENTS :

former NEBRASKA ORDNANCE PLANT OU-2 GTP					LL4 Plant			
Gallons multiplied by 1,000,000 on Totalizer								
	PUMP NO.	EW -15			Sump	Discharge Pump		
DATE	TIME	500			Level	COMPUTER	MAIN PLANT	WAHOO CREEK
		GPM	Totalizer	DEPTH TO WATER	Percent	GPM	TOTALIZER	TOTALIZER
9/1/2010	0531	497	66.542	50.40	57	514	69.227	
9/2/2010	0519	0	66.727	62.70	58	0	69.421	
9/3/2010	0527	0	67.283	62.20	51	0	70.002	
9/4/2010	0:00							
9/5/2010	0:00							
9/6/2010	0:00							
9/7/2010	0635	0	67.283	63.50	59	0	70.022	
9/8/2010	0620	0	67.283	63.60	58	0	70.022	
9/9/2010	0630	0	67.283	63.70	58	0	70.023	
9/10/2010	0640	0	67.283	63.80	58	0	70.023	
9/11/2010	0:00							
9/12/2010	0:00							
9/13/2010	0539	0	67.326	63.90	65	0	70.047	
9/14/2010	0:00							
9/15/2010	0534	0	67.326	64.00	64	0	70.047	
9/16/2010	0521	0	67.326	64.00	68	0	70.047	
9/17/2010	0632	502	68.007	51.50	57	527	70.076	
9/18/2010	0:00							
9/19/2010	0:00							
9/20/2010	0543	493	69.795	51.50	58	517	72.062	
9/21/2010	0543	494	70.456	51.30	57	511	73.312	
9/22/2010	0550	487	71.164	51.30	57	511	74.051	
9/23/2010	0538	491	71.869	51.10	57	515	74.786	
9/24/2010	0525	494	72.568	50.90	57	510	75.516	
9/25/2010	0:00							
9/26/2010	0:00							
9/27/2010	0537	496	74.727	50.70	57	518	77.769	
9/28/2010	0531	498	75.411	50.70	57	522	78.484	
9/29/2010	0536	499	76.055	50.70	57	524	79.156	
9/30/2010	0526	494	76.765	50.70	57	517	79.897	
		TOTAL	10.617			TOTAL	11.084	-

COMMENTS :_____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					**LL4 Plant**			
Gallons multiplied by 1,000,000 on Totalizer								
	PUMP NO.	**EW -15**			**Sump**	**Discharge Pump**		
DATE	**TIME**	**500**			**Level**	**COMPUTER**	**MAIN PLANT**	**WAHOO CREEK**
		GPM	Totalizer	DEPTH TO WATER	**Percent**	**GPM**	**TOTALIZER**	**TOTALIZER**
10/1/2010	0517	0	77.159	62.70	56	0	80.310	
10/2/2010	0:00							
10/3/2010	0:00							
10/4/2010	0537	0	77.159	63.50	58	0	80.310	
10/5/2010	0539	0	77.159	63.70	58	0	80.310	
10/6/2010	0536	0	77.159	63.80	58	0	80.310	
10/7/2010	0539	0	77.159	63.90	59	0	80.310	
10/8/2010	0526	0	77.159	64.00	58	0	80.310	
10/9/2010	0:00							
10/10/2010	0:00							
10/11/2010	0542	0	77.267	64.10	63	0	80.422	
10/12/2010	0555	0	77.267	64.10	64	0	80.422	
10/13/2010	0542	0	77.267	64.20	64	0	80.422	
10/14/2010	0531	0	77.267	64.20	63	0	80.422	
10/15/2010	0522	0	77.267	64.20	64	0	80.422	
10/16/2010	0:00							
10/17/2010	0:00							
10/18/2010	0533	0	77.267	64.30	63	0	80.422	
10/19/2010	0529	501	77.835	52.10	57	507	81.014	
10/20/2010	0700	502	78.513	51.70	57	524	81.722	
10/21/2010	0527	491	79.179	51.70	57	514	82.416	
10/22/2010	0522	493	79.880	51.50	57	506	83.146	
10/23/2010	0:00							
10/24/2010	0:00							
10/25/2010	0529	490	82.023	51.30	57	513	85.379	
10/26/2010	0525	495	82.737	51.10	57	516	86.123	
10/27/2010	0538	496	83.459	51.00	57	516	86.875	
10/28/2010	0536	491	84.168	51.00	57	513	87.614	
10/29/2010	0531	497	84.883	50.80	57	519	88.359	
10/30/2010	0:00							
10/31/2010	0:00							
		TOTAL	**9.864**			**TOTAL**	**10.278**	**-**

COMMENTS :_____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					**LL4 Plant**			
Gallons multiplied by 1,000,000 on Totalizer								
	PUMP NO.	**EW -15**			**Sump**	**Discharge Pump**		
DATE	**TIME**	**500**			**Level**	**COMPUTER**	**MAIN PLANT**	**WAHOO CREEK**
		GPM	Totalizer	DEPTH TO WATER	**Percent**	**GPM**	**TOTALIZER**	**TOTALIZER**
11/1/2010	0528	492	87.023	50.80	57	514	90.588	
11/2/2010	0517	491	87.725	50.80	57	512	91.319	
11/3/2010	0555	490	88.449	50.80	58	511	92.737	
11/4/2010	0519	489	89.136	50.80	57	510	92.789	
11/5/2010	0518	495	89.850	50.60	57	517	93.533	
11/6/2010	0:00							
11/7/2010	0:00							
11/8/2010	0556	494	92.0	50.60	57	516	95.797	
11/9/2010	0550	497	92.739	50.50	57	519	96.539	
11/10/2010	0540	495	93.448	50.50	57	517	97.278	
11/11/2010	0:00							
11/12/2010	0625	492	94.901	50.20	57	515	98.079	
11/13/2010	0:00							
11/14/2010	0:00							
11/15/2010	0528	491	96.993	50.60	57	513	100.968	
11/16/2010	0536	491	97.704	50.50	57	512	101.709	
11/17/2010	0630	490	98.432	50.50	57	511	102.466	
11/18/2010	0546	499	99.102	50.30	57	514	103.162	
11/19/2010	0517	500	99.806	50.30	58	524	103.895	
11/20/2010	1115	498	100.702	50.30	57	518	104.828	
11/21/2010	0:00							
11/22/2010	0537	497	102.0	50.30	57	514	106.145	
11/23/2010	0528	495	102.677	50.30	57	517	106.883	
11/24/2010	0531	499	103.394	50.30	57	519	107.629	
11/25/2010	0:00							
11/26/2010	0:00							
11/27/2010	0:00							
11/28/2010	0:00							
11/29/2010	0543	495	106.965	50.30	57	517	111.345	
11/30/2010	0536	496	107.679	50.20	58	519	112.088	
		TOTAL	**21.372**			**TOTAL**	**22.244**	**-**

COMMENTS :_____

former NEBRASKA ORDNANCE PLANT OU-2 GTP					**LL4 Plant**			
Gallons multiplied by 1,000,000 on Totalizer								
	PUMP NO.	**EW -15**			**Sump**	**Discharge Pump**		
DATE	**TIME**	**500**			**Level**	**COMPUTER**	**MAIN PLANT**	**WAHOO CREEK**
		GPM	Totalizer	DEPTH TO WATER	**Percent**	**GPM**	**TOTALIZER**	**TOTALIZER**
12/1/2010	0538	496	108.395	50.20	57	518	112.832	
12/2/2010	0539	495	109.109	50.20	57	516	113.576	
12/3/2010	0625	500	109.854	50.10	58	524	114.531	
12/4/2010	0:00							
12/5/2010	0:00							
12/6/2010	0527	504	11.692	50.10	57	523	116.263	
12/7/2010	0534	501	112.420	50.20	57	522	117.020	
12/8/2010	0613	500	113.160	50.10	57	524	117.791	
12/9/2010	0540	500	113.864	50.20	57	513	118.523	
12/10/2010	0516	498	114.571	50.10	57	521	119.259	
12/11/2010	0:00							
12/12/2010	0:00							
12/13/2010	0602	499	116.684	50.10	57	520	121.459	
12/14/2010	0541	498	117.392	50.10	57	519	122.195	
12/15/2010	0533	507	117.910	50.10	57	527	122.735	
12/16/2010	0943	519	118.489	50.10	57	540	123.336	
12/17/2010	0517	506	119.089	50.10	58	530	123.960	
12/18/2010	0:00							
12/19/2010	0:00							
12/20/2010	0541	499	121.268	50.10	57	520	126.227	
12/21/2010	0529	498	121.977	50.10	57	517	126.965	
12/22/2010	0535	496	122.696	50.10	57	516	127.712	
12/23/2010	0526	496	123.405	50.10	58	515	128.450	
12/24/2010	0:00							
12/25/2010	0:00							
12/26/2010	0:00							
12/27/2010	0544	495	126.231	50.10	58	516	131.389	
12/28/2010	0525	495	126.938	50.10	57	516	132.124	
12/29/2010	0536	499	127.661	50.10	57	520	132.876	
12/30/2010	0535	500	128.381	50.10	58	521	133.625	
12/31/2010	0:00							
		TOTAL	**20.707**			**TOTAL**	**22.285**	**-**

COMMENTS :_____

Appendix K
Analytical Results Summary for Load Line 4 Groundwater Treatment Plant

Appendix K
LL4 Groundwater Treatment Plant Sampling Results
Former Nebraska Ordnance Plant
Mead, Nebraska

Influent is from FEW-15

Data Package	Sampling Event	Date Collected	Flow (gpm)	VOCs (ug/L) Influent	Explosives (ug/L) Influent	VOCs (ug/L) Effluent	Explosives (ug/L) Effluent	Air (TCE) Influent ug/m3	Air (TCE) Effluent ug/m3	TOC Influent mg/L	TSS Influent mg/L	Nitrate Effluent mg/L	Iron Influent mg/L	Manganese Influent mg/L
1365-3	Month 4	8/31/2010	500	680 TCE	NS	0.42 (J) TCE	NS	NA	260	0.75 (J)	AC ND	7.6	NS	NS
									Carbon change on 9/14/10					
	Month 4	9/22/2010	NA	NA	NA	NA	NA	NA	1200	NA	NA	NA	NA	NA
									Carbon change on 10/15/10					
2237	Month 5	10/28/2010	500	600 TCE	NS	0.72 (J) TCE	NS	11000 (air flow - 3000 cfm)	840	1	0.5	7.3	NS	NS
2440	Month 5	11/10/2010	500	620 TCE	NS	1.5 TCE	NS	16000 (air flow - 2500 cfm)	700	NS	NS	NS	NS	NS
2738	Month 6	12/1/2010	500	550 TCE	ND	1.2 TCE	ND	550 (air flow 3000 cfm)	600	NS	NS	7	0.2	0.015
2968	Month 6	12/15/2010	500	540 TCE	NS	0.61 (J) TCE	NS	450 (air flow 3600 cfm)	76	NS	NS	NS	NS	NS

ND = All compounds Not detected
NS = Not Sampled
NA = Not Applicable
FEW = focused extraction well
TCE = trichloroethene
J = estimated
mg/L = millgrams per liter
ug/L = micrograms per liter
ug/m3 = micrograms per cubic meter
cfm = cubic feet per meter

Appendix L
Groundwater Circulation Well GCW-01 Operational Data

Appendix L - GCW-01 (TCE) Operational Data
Former Nebraska Ordnance Plant
Mead, Nebraska

January	**2010**								**GCW 1**
DATE	TIME	FLOW RATE	TOTALIZER	DIS PUMP	VACUUM	AIRFLOW	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
1/12/2010	1232	22.57	104334721.0	N/A	1.0	0.06	2085.2	11679.0	Timer off due to power outages, Reset time, Cleaned snow from around blower inlet. Restart
1/29/2010	1210	22.85	104633527.0	N/A	1.0	0.07	2085.2	12086.6	
February	**2010**								**GCW 1**
DATE	TIME	FLOW RATE	TOTALIZER	DIS PUMP	VACUUM	AIRFLOW	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
									No access for the month of February due to snow drifts and ice build up
									Could not climb 8 foot chain link fence with barb wire.
March	**2010**								**GCW 1**
DATE	TIME	FLOW RATE	TOTALIZER	DIS PUMP	VACUUM	AIRFLOW	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
3/5/2010	1050	22.42	105232752	N/A	1.0	0.00	2085.2	12925.4	
3/9/2010	1223	23.15	105304025	N/A	1.0	0.00	2085.2	13022.9	Air up packer
3/12/2010	1136	23.16	105356040	N/A	1.0	0.05	2085.2	13094.0	
3/15/2010	1049	22.12	105405107	N/A	1.0	0.04	2085.2	13164.3	
3/16/2010	1107	22.70	105424416	N/A	1.0	0.11	2085.2	13188.6	
3/19/2010	1027	22.97	105479331	N/A	1.0	0.32	2085.2	13260.3	
3/23/2010	1205	22.42	105552289	N/A	1.0	0.21	2085.2	13357.6	
3/26/2010	1405	21.62	105609204	N/A	1.0	0.21	2085.2	13431.7	
3/31/2010	0848	22.84	105692400	N/A	1.0	0.00	2085.2	13545.5	Resample influent
April	**2010**								**GCW 1**
DATE	TIME	FLOW (GPM)	TOTALIZER (GAL)	DIS PUMP	VACUUM (IN of H2O)	AIRFLOW (IN of H2O)	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
4/7/2010	1118	22.11	105816994	N/A	2.0	0.30	2085.2	13716.9	
4/23/2010	1330	21.16	106105647	N/A	2.0	0.28	2085.2	14103.1	Air up packer
4/30/2010	1147	23.73	106234350	N/A	2.0	0.26	2085.2	14269.6	
May	**2010**								**GCW 1**
DATE	TIME	FLOW (GPM)	TOTALIZER (GAL)	DIS PUMP	VACUUM (IN of H2O)	AIRFLOW (IN of H2O)	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
5/3/2010	1109	22.93	106289920	N/A	1.0	0.26	2085.2	14348.8	
5/5/2010	1300	22.68	106326585	N/A	1.0	0.31	2085.2	14390.7	
5/10/2010	1234	23.18	106411303	N/A	1.0	0.26	2085.2	14510.7	
5/13/2010	1242	22.98	106464497	N/A	1.0	0.24	2085.2	14681.3	
5/21/2010	1254	21.70	106605777	N/A	1.0	0.25	2085.2	14774.6	Dewinterized buildings, turn on exhaust fans.

Appendix L - GCW-01 (TCE) Operational Data
Former Nebraska Ordnance Plant
Mead, Nebraska

June	**2010**								**GCW 1**
DATE	TIME	FLOW (GPM)	TOTALIZER (GAL)	DIS PUMP	VACUUM (IN of H2O)	AIRFLOW (IN of H2O)	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
6/1/2010	821	21.78	106796183	N/A	1.0	0.24	2085.2	15034.0	Sampled Inf and Eff
6/4/2010	1122	22.80	106853190	N/A	1.0	0.20	2085.2	15109.0	
6/8/2010	1340	22.67	106927155	N/A	1.0	0.23	2085.2	15207.8	
6/11/2010	1155	23.11	106965536	N/A	1.0	0.27	2085.2	15275.1	
6/15/2010	1146	22.33	107040410	N/A	1.0	0.20	2085.2	15371.2	Mowed
6/16/2010	1102	23.46	107059473	N/A	1.0	0.22	2085.2	15394.8	Sampled MW's, painted bollards, tightened tower cables
6/18/2010	1305	19.64	107089931	N/A	1.0	0.21	2085.2	15444.4	Aired up packer, removed ventilator fan from blower building for replacement.
6/23/2010	1022	22.96	107164429	N/A	1.0	0.26	2085.2	15562.2	Replaced motor and reinstalled fan in building.
6/27/2010	1115	21.61	107279705	N/A	1.0	0.25	2085.2	15707.3	Mowed
July	**2010**								**GCW 1**
DATE	TIME	FLOW (GPM)	TOTALIZER (GAL)	DIS PUMP	VACUUM (IN of H2O)	AIRFLOW (IN of H2O)	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
7/1/2010	1147	23.62	107314763	N/A	1.0	0.23	2085.2	15755.5	
7/6/2010	1315	22.79	107406300	N/A	1.0	0.21	2085.2	15877.4	
7/19/2010	1410	21.21	107653348	N/A	1.0	0.28	2085.2	16189.9	Mowed
7/23/2010	1155	22.47	107729011	N/A	1.0	0.10	2085.2	16283.0	
7/28/2010	1117	21.24	107819709	N/A	1.0	0.22	2085.2	16403.6	
7/29/2010	1132	23.10	107839499	N/A	1.0	0.20	2085.2	16427.4	
7/30/2010	1045	23.23	107856194	N/A	1.0	0.22	2085.2	16450.2	
August	**2010**								**GCW 1**
DATE	TIME	FLOW (GPM)	TOTALIZER (GAL)	DIS PUMP	VACUUM (IN of H2O)	AIRFLOW (IN of H2O)	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
8/3/2010	1250	22.91	107829226	N/A	1.0	0.19	2085.2	16548.8	Take well levels
8/5/2010	1350	22.76	107958667	N/A	1.0	0.19	2085.2	16597.5	
8/9/2010	1307	23.05	108033169	N/A	1.0	0.23	2085.2	16692.5	Mowed
8/12/2010	1147	23.14	108088069	N/A	1.0	0.18	2085.2	16763.6	
8/23/2010	1222	21.05	108287643	N/A	1.0	0.19	2085.2	17028.3	
8/25/2010	1425	23.06	108827930	N/A	1.0	0.23	2085.2	17078.4	Mowed
8/31/2010	0941	21.63	108430623	N/A	1.0	0.21	2085.2	17217.6	Sampled
September	**2010**								**GCW 1**
DATE	TIME	FLOW (GPM)	TOTALIZER (GAL)	DIS PUMP	VACUUM (IN of H2O)	AIRFLOW (IN of H2O)	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
9/17/2010	1222	22.63	108679683	N/A	2.0	0.20	2085.2	17621.1	System not running, restart
9/20/2010	1335	21.39	108728648	N/A	2.0	0.22	2085.2	17692.2	
9/22/2010	1250	23.09	108764570	N/A	2.0	0.18	2085.2	17739.4	
9/24/2010	0940	22.51	108800796	N/A	2.0	0.19	2085.2	17784.2	

Appendix L - GCW-01 (TCE) Operational Data
Former Nebraska Ordnance Plant
Mead, Nebraska

October	**2010**								**GCW 1**
DATE	TIME	FLOW (GPM)	TOTALIZER (GAL)	DIS PUMP	VACUUM (IN of H2O)	AIRFLOW (IN of H2O)	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
10/1/2010	1225	23.62	108943894	N/A	2.0	0.17	2085.2	77954.7	
10/6/2010	1307	23.59	109038695	N/A	2.0	0.19	2085.2	18075.6	Mowed and trimmed
10/12/2010	0950	23.14	109136899	N/A	2.0	0.20	2085.2	18216.4	
10/15/2010	1140	23.79	109200369	N/A	2.0	0.16	2085.2	18386.1	
10/20/2010	1254	22.72	109202767	N/A	2.0	0.18	2085.2	18409.7	
10/23/1902	1207	21.69	109236488	N/A	2.0	0.19	2085.2	18576.1	
November	**2010**								**GCW 1**
DATE	TIME	FLOW (GPM)	TOTALIZER (GAL)	DIS PUMP	VACUUM (IN of H2O)	AIRFLOW (IN of H2O)	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
11/1/2010	1316	23.21	109277474	N/A	1.0	0.00	2085.2	18697.5	
11/4/2010	1152	23.64	109322325	N/A	1.0	0.00	2085.2	18768.0	Winterized buildings
11/5/2010	1254	22.55	109341111	N/A	1.0	0.22	2085.2	18793.2	Inspected inverters.
11/10/2010	1247	23.43	109432614	N/A	1.0	0.21	2085.2	18913.1	
11/17/2010	1241	22.87	109562086	N/A	1.0	0.00	2085.2	19081.7	
11/18/2010	1150	22.55	109579139	N/A	1.0	0.00	2085.2	19104.8	
11/29/2010	1350	23.43	109798313	N/A	1.0	0.00	2085.2	19394.9	
December	**2010**								**GCW 1**
DATE	TIME	FLOW (GPM)	TOTALIZER (GAL)	DIS PUMP	VACUUM (IN of H2O)	AIRFLOW (IN of H2O)	GENERATOR HOUR METER	LINE HOUR METER	COMMENTS
12/1/2010	1107	23.26	109814037	N/A	0.1	18.00	2085.2	19416.3	Sampled
12/7/2010	1150	22.06	109917538	N/A	0.1	19.00	2085.2	19561.0	Installed rebuilt inverter
12/10/2010	0948	22.90	109967740	N/A	0.1	17.00	2085.2	19630.9	Switched to generator
12/13/2010	0945	21.27	110011605	N/A	0.1	16.00	2085.2	19631.3	
12/14/2010	1150	22.32	110033006	N/A	0.1	15.00	2085.2	19656.7	
12/17/2010	1145	22.47	110083856	N/A	0.1	17.00	2085.2	19656.7	Generator hour meter not working
12/20/2010	1315	22.60	110094406	N/A	0.1	14.00	0.0	19656.7	Installed new hour meter
12/22/2010	1043	23.28	110112692	N/A	0.1	16.00	0.0	19656.7	Rewired wind gen. hour meter
12/23/2010	0915	21.76	110112859	N/A	0.1	15.00	22.4	19656.7	Line power for weekend
12/28/2010	1000	23.21	110202394	N/A	0.1	22.00	22.4	19771.6	
12/29/2010	1115	23.22	110222537	N/A	0.1	21.00	22.5	19802.1	

Appendix M
Analytical Results Summary for Groundwater Circulation Well GCW-01

Appendix M
GCW-01 Influent Sample Results Summary
Former Nebraska Ordnance Plant
Mead, Nebraska

Data Package	Sampling Event	Date Collected	VOCs (ug/L)	VOCs Result (ug/L)
4017	Nov-03	11/4/2003	Carbontetrachloride	0.49 (J)
			Chloroform	0.97 (J)
			cis 1,2 dichloroethene	20.9 (J)
			trans 1,2 dichloroethene	0.44 (J)
			Ethylbenzene	1 (J)
			Tetrachloroethene	0.23 (J)
			Toluene	3.24
			Trichloroethane	1.09 (J)
			TCE	556 and 4575
			o'xylene	1.04 (J)
			m+p xylene	0.33 (J)
4391	Feb-04	2/3/2004	Chloroform	0.64 (J)
			cis-1,2-Dichloroethene	13.7
			1,1,2-Trichloroethane	0.74 (J)
			TCE	1519
			TCE	3056
			trans-1,2-Dichloroethene	0.21 (J)
4522	Mar-04	3/1/2004	1,1,2-Trichloroethane	0.67 (J)
			TCE	583 (E)
			Carbon tetrachloride	0.29 (J)
			Chloroform	0.56 (J)
			trans-1,2-Dichloroethene	0.21 (J)
			cis-1,2-Dichloroethene	16.9 (J)
			TCE	2675
246	Apr-04	4/5/2004	*cis-1,2-Dichloroethene*	11
			TCE	4300
			TCE	2000
754	Jun-04	6/1/2004	*cis-1,2-Dichloroethene*	9
			TCE	2100 E
			TCE	1800 D
515	Sep-04	9/1/2004	*cis-1,2-Dichloroethene*	8
			TCE	900 E
			TCE	1700 D
371	Dec-04	12/6/2004	*cis-1,2-Dichloroethene*	8
			TCE	2000 E
			TCE	1400 D

Appendix M
GCW-01 Influent Sample Results Summary
Former Nebraska Ordnance Plant
Mead, Nebraska

Data Package	Sampling Event	Date Collected	VOCs (ug/L)	VOCs Result (ug/L)
1816	Mar-05	3/8/2005	*cis-1,2-Dichloroethene*	7.8 D
			TCE	510 E
			TCE	1400 D
3235	Jun-05	6/13/2005	*cis-1,2-Dichloroethene*	6.8
			TCE	1100 E
			TCE	1300 D
7995	Dec-05	12/15/2005	*cis-1,2-Dichloroethene*	10.1 J
			TCE	596
			TCE	1880
8224	Mar-06	3/1/2006	*cis-1,2-Dichloroethene*	7.33
			TCE	793
			TCE	1410
0606026	Jun-06	6/5/2006	*cis-1,2-Dichloroethene*	7.66
			TCE	633
			TCE	1000
0609039	Sep-06	9/6/2006	*cis-1,2-Dichloroethene*	7.85
			TCE	944
			TCE	1820
0612021	Dec-06	12/4/2006	*cis-1,2-Dichloroethene*	
			TCE	963
			TCE	1730
0703050	Mar-07	3/7/2007	*cis-1,2-Dichloroethene*	9.61
			TCE	660
			TCE	2210
120475	Jun-07	6/11/2007	*cis-1,2-Dichloroethene*	5.80
			TCE	970
			TCE	930
121772	Sep-07	9/4/2007	*cis-1,2-Dichloroethene*	9.00
			TCE	320
			TCE	1300
123251	Dec-07	12/3/2007	*cis-1,2-Dichloroethene*	5.80
			TCE	1000
			TCE	1100
124355	Mar-08	3/3/2008	*cis-1,2-Dichloroethene*	5.50
			TCE	130
			TCE	810
125992	Jun-08	6/11/2008	*cis-1,2-Dichloroethene*	4.80
			TCE	790
			TCE	850

Appendix M
GCW-01 Influent Sample Results Summary
Former Nebraska Ordnance Plant
Mead, Nebraska

Data Package	Sampling Event	Date Collected	VOCs (ug/L)	VOCs Result (ug/L)
126601	Jul-08	7/16/2008	*cis-1,2-Dichloroethene*	6.20
			TCE	970
			TCE	990
127440	Sep-08	9/2/2008	*cis-1,2-Dichloroethene*	4.50
			TCE	730
			TCE	680
129123	Dec-08	12/2/2008	*cis-1,2-Dichloroethene*	5.70
			TCE	760
			TCE	740
130429	Mar-09	3/2/2009	*cis-1,2-Dichloroethene*	ND
			TCE	530
			TCE	500
132059	Jun-09	6/3/2009	*cis-1,2-Dichloroethene*	
			TCE	530
			TCE	
133367	Sep-09	9/1/2009	*cis-1,2-Dichloroethene*	
			TCE	540
			TCE	
134899	Dec-09	11/30/2009	*cis-1,2-Dichloroethene*	4.30
			TCE	580
			TCE	
136620	Mar-10	3/31/2010	*cis-1,2-Dichloroethene*	
			TCE	460
			TCE	
137544	Jun-10	6/1/2010	*cis-1,2-Dichloroethene*	
			TCE	710
			TCE	
1365-1	Sep-10	8/31/2010	*cis-1,2-Dichloroethene*	3.40
			TCE	560
			TCE	
2741	Dec-10	12/1/2010	*cis-1,2-Dichloroethene*	3.10
			TCE	480

Appendix N
Analytical Results Summary for Monitoring Wells Surrounding Groundwater Circulation Well GCW-01

Appendix N

Results for Second Quarter 2010 Sampling Event

Operations and Maintenance Program

Former Nebraska Ordnance Plant, Mead, Nebraska

Volatile Organic Compounds							
	Sampling Date	1,2-DCP	CIS-1,2-DCE	Methylene Chloride	TCE	TRANS-1,2-DCE	Vinyl Chloride
MW-40B	06/16/2010	1.0 U	**1.3 J**	1.0 U	**110 J**	1.0 U	1.0 U
MW-72A	06/16/2010	1.0 U	1.0 U	1.0 U	**2.7**	1.0 U	1.0 U
MW-72B	06/16/2010	15.0 U	**14.0 J**	15.0 U	**2200**	15.0 U	15.0 U
MW-73A	06/16/2010	1.0 U	1.0 U	1.0 U	**1.0**	1.0 U	1.0 U
MW-73B	06/16/2010	1.2 U	**1.2**	1.2 U	**230**	1.2 U	1.2 U

Notes:

MW = monitoring well

1,2-DCP = 1,2-dichloropropane

TCE = trichloroethene

Trans-1,2-DCE = trans-1,2-Dichloroethene

J = The analyte was positively identified, but the associated numerical value is estimated and represents the approximate concentration of the analyte in the sample.

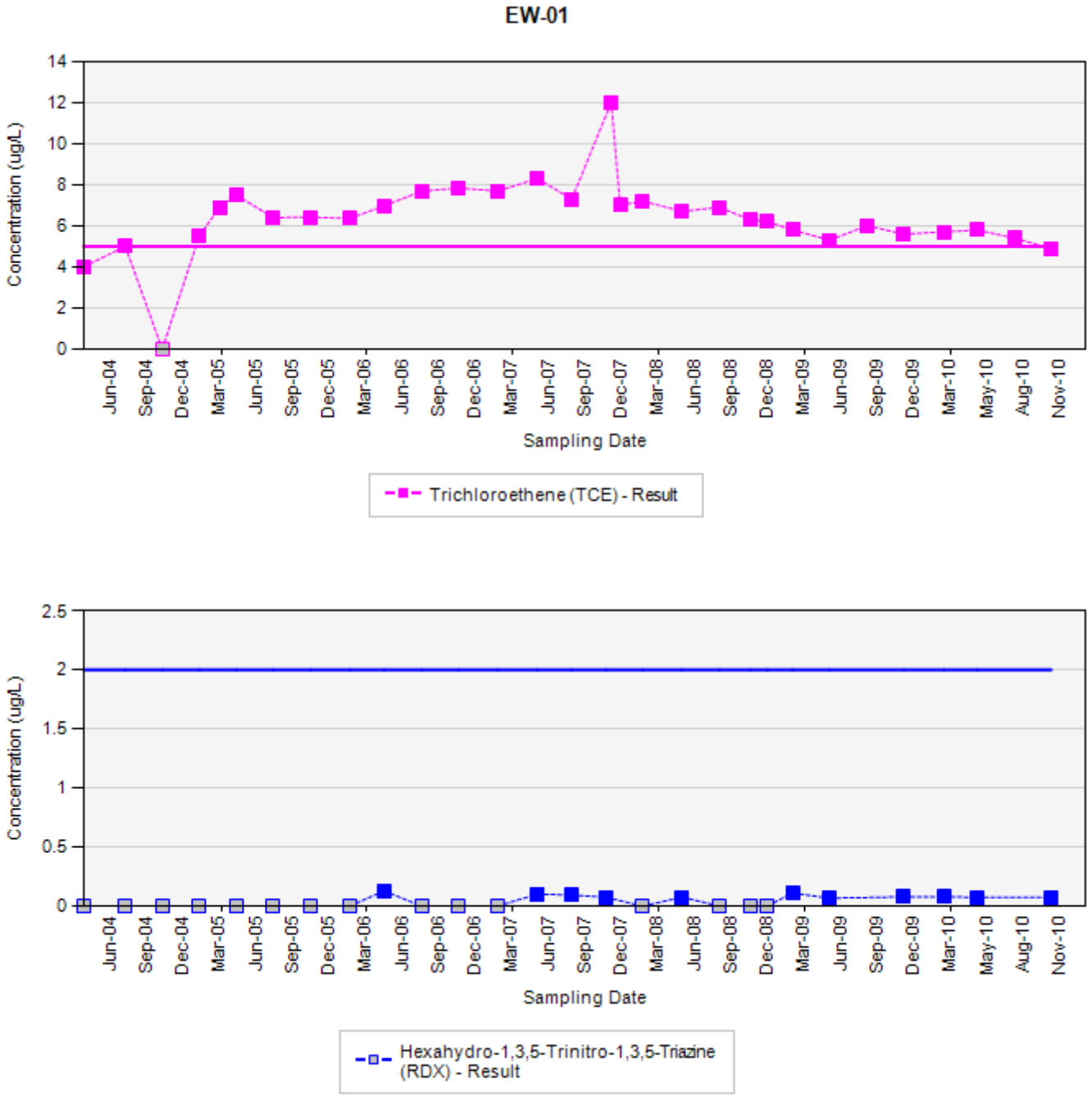
Detects are displayed in bold font

All results in micrograms per liter (µg/L)

= above the Final Target Cleanup Goals of 5 ug/L for TCE

Appendix O
Extraction Well Concentration Trending Data

Appendix O
Historical Detections of TCE and RDX in Extraction Well
Former Nebraska Ordnance Plant, Mead, Nebraska

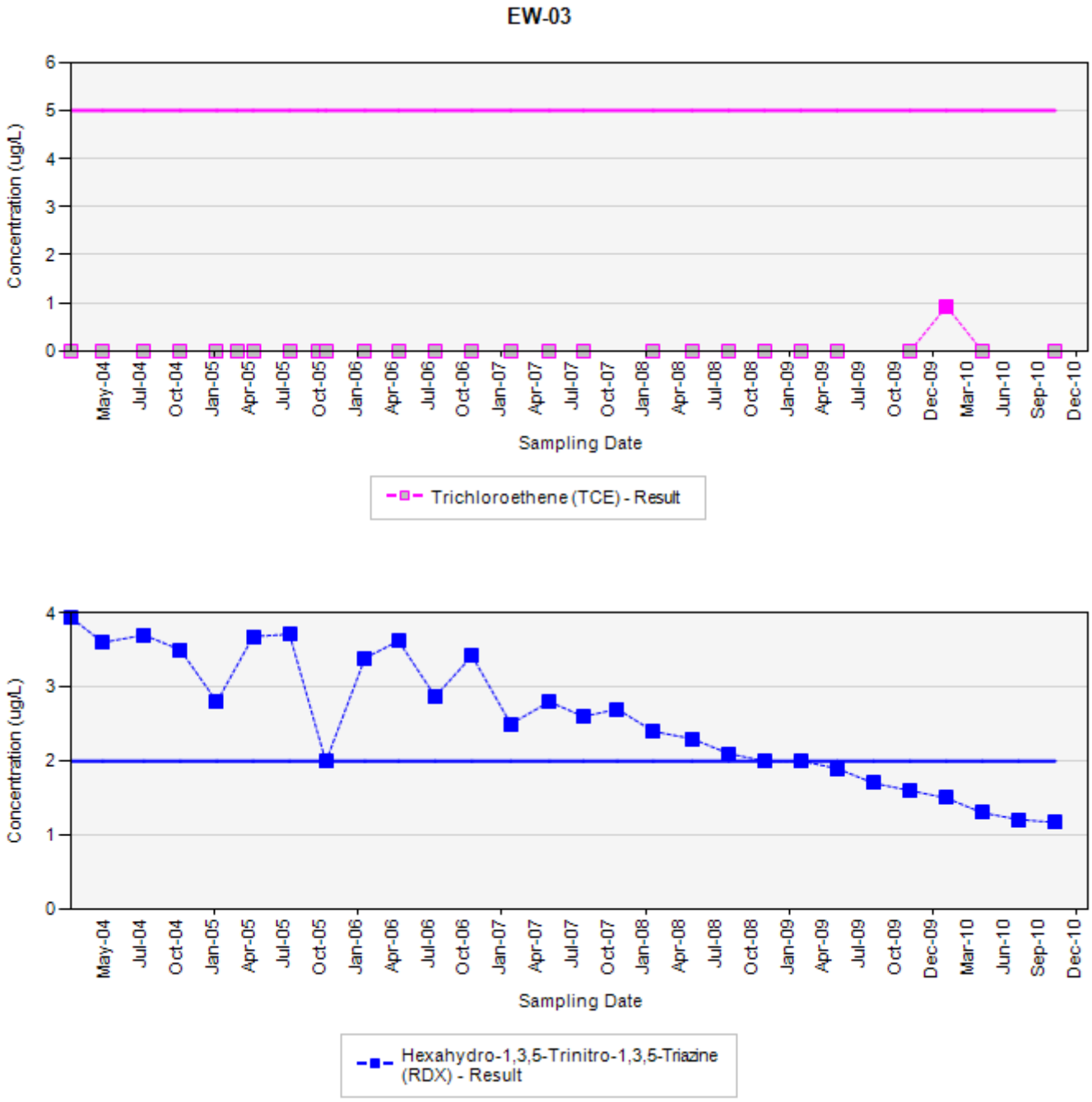


Final Target Groundwater Cleanup Goals for TCE is 5 UG/L
Final Target Groundwater Cleanup Goals for RDX is 2 UG/L

In the event that both a normal sample and a field duplicate were collected, the higher of the two results will be displayed on the chart

ug/L: micrograms per liter
Silver markers indicate non-detected results

Appendix O
Historical Detections of TCE and RDX in Extraction Well
Former Nebraska Ordnance Plant, Mead, Nebraska



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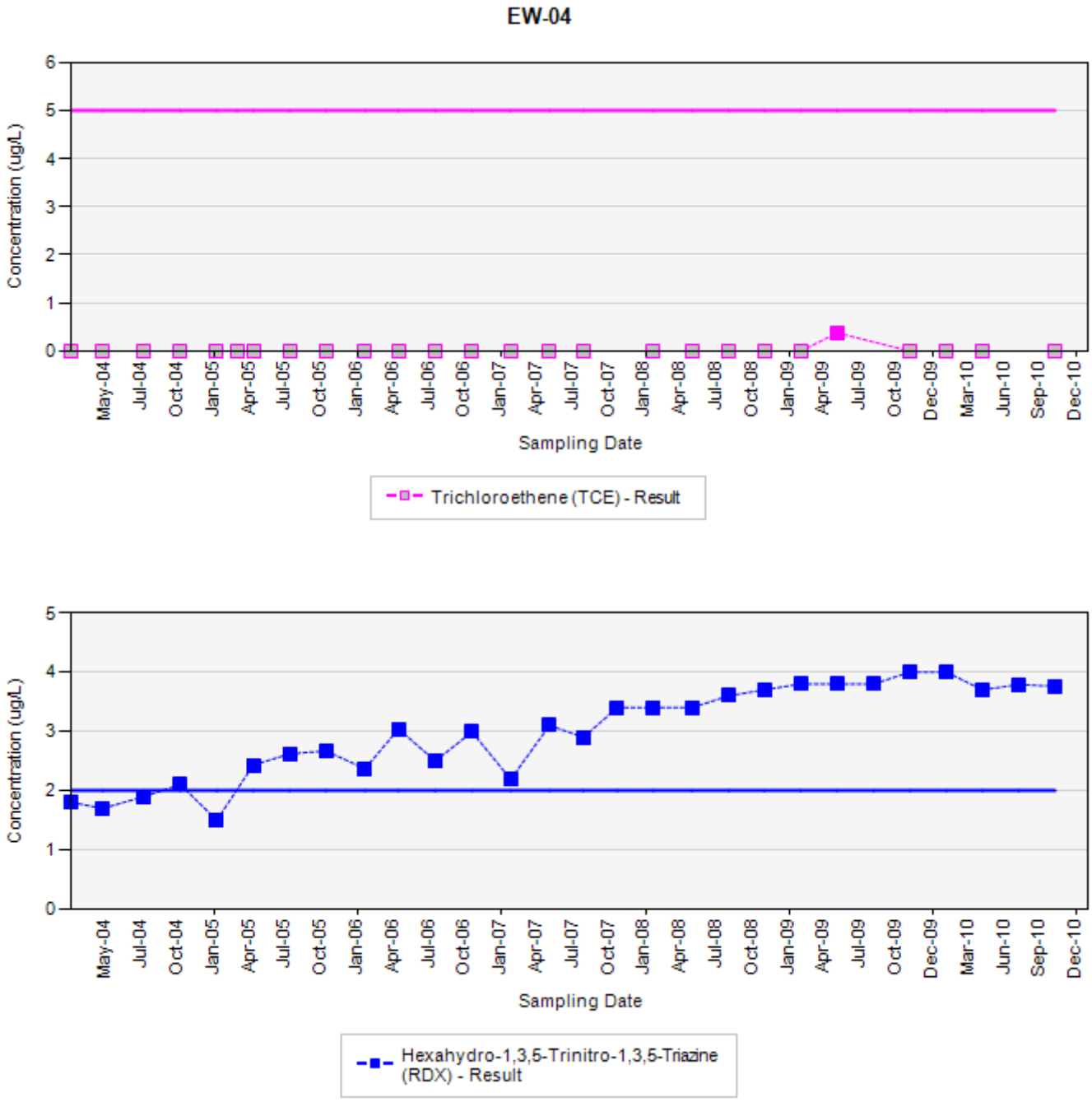
Former Nebraska Ordnance Plant, Mead, Nebraska



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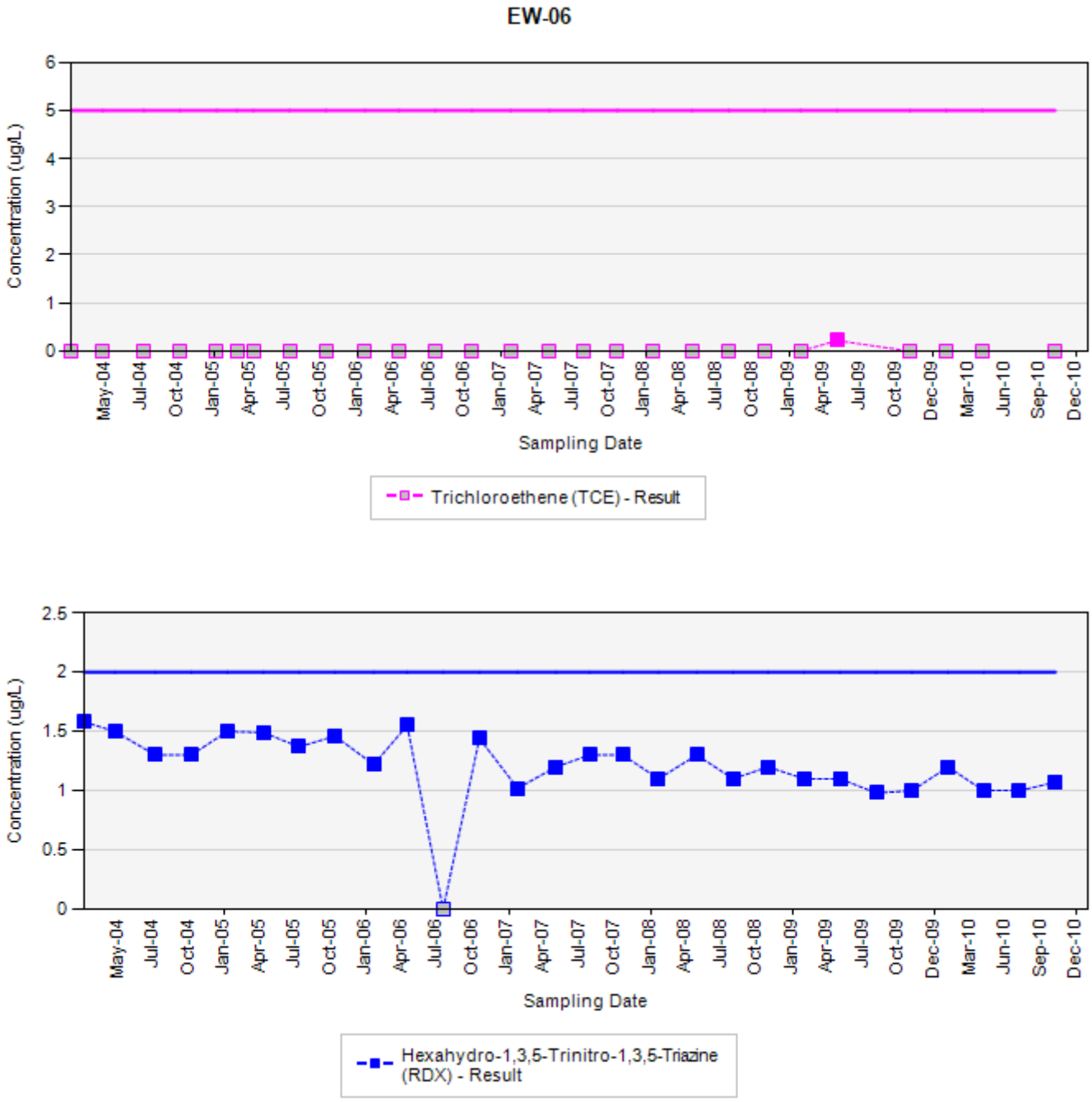
Former Nebraska Ordnance Plant, Mead, Nebraska



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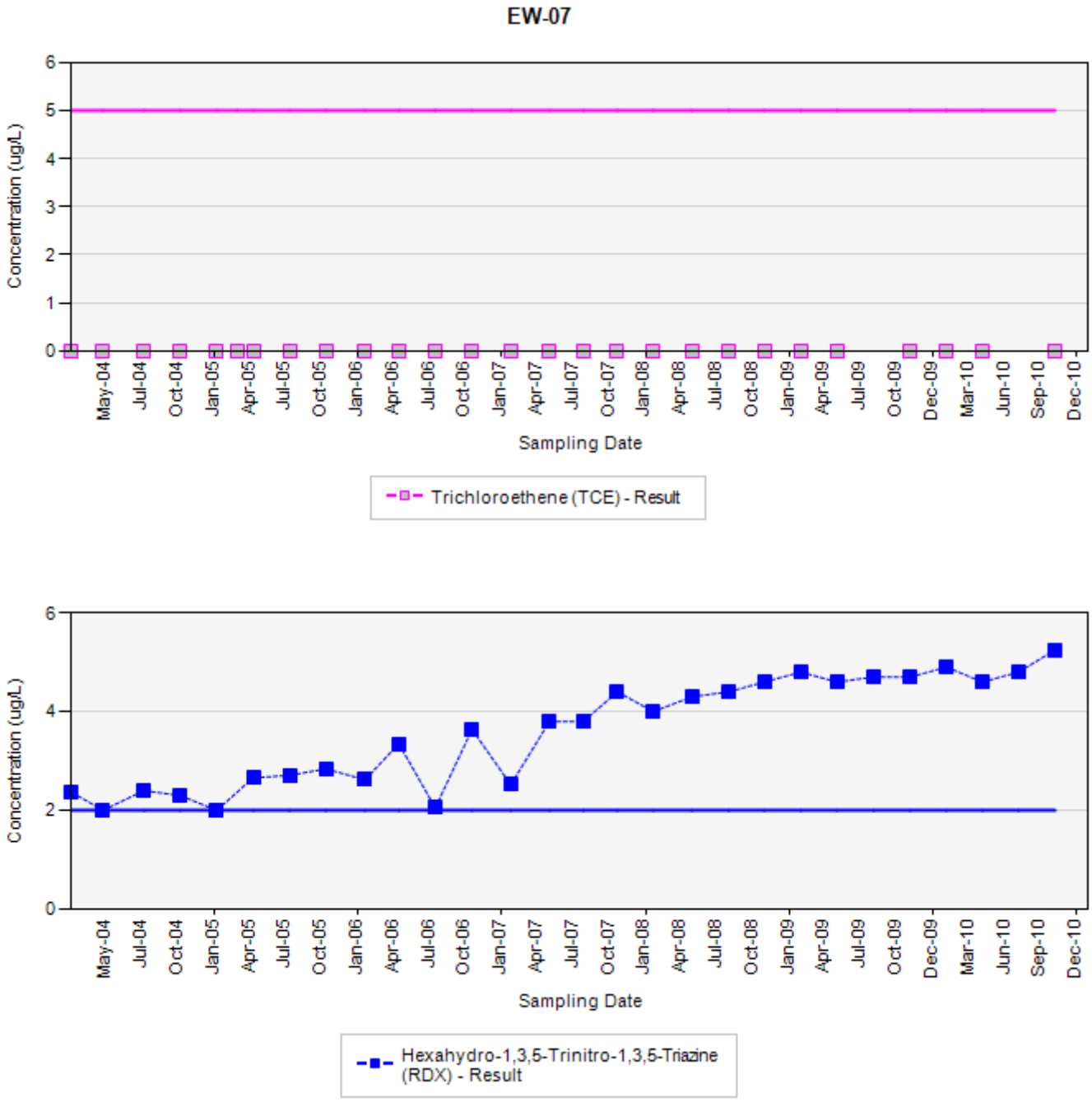

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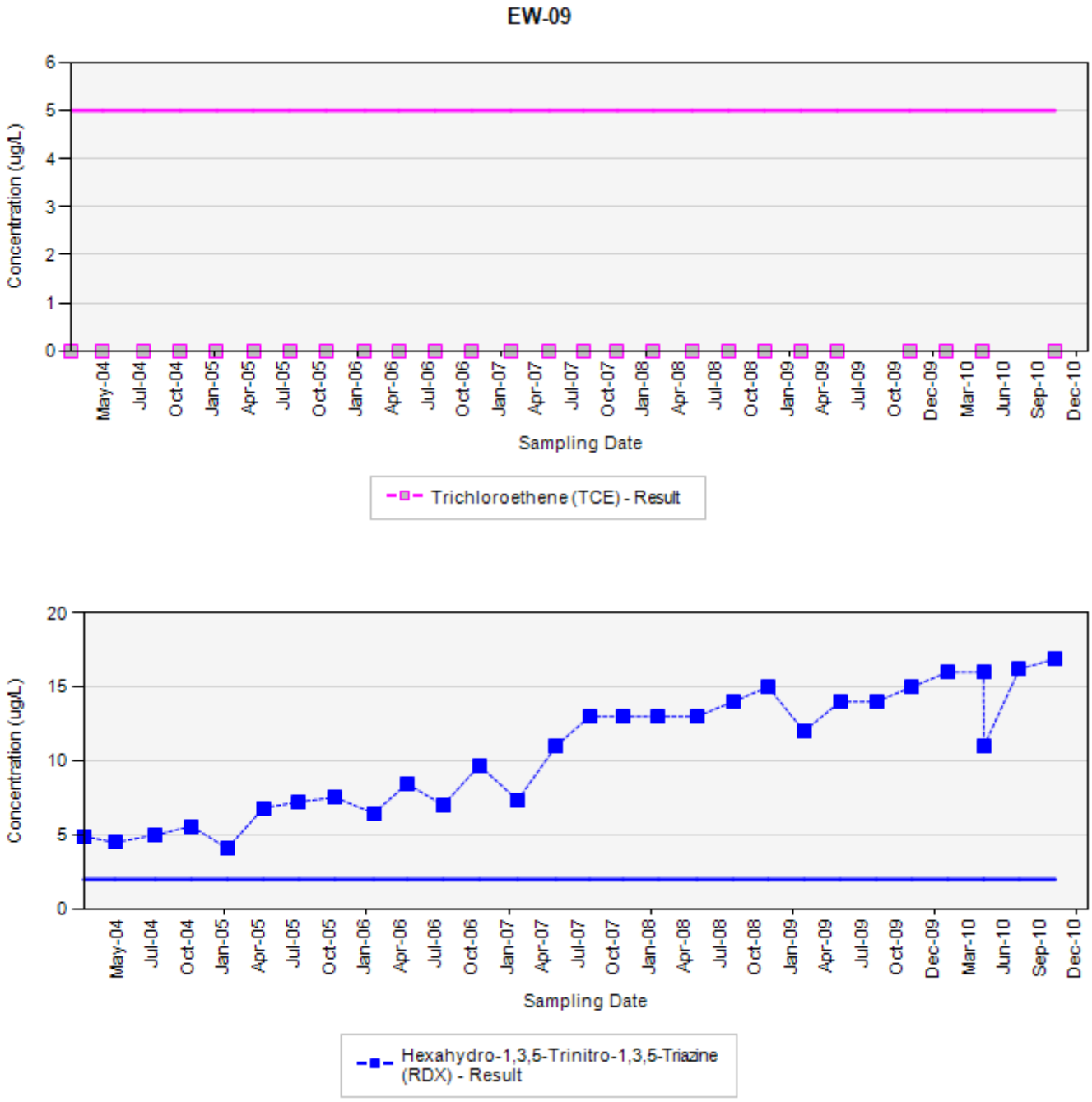
Historical Detections of TCE and RDX in Extraction Well
Former Nebraska Ordnance Plant, Mead, Nebraska



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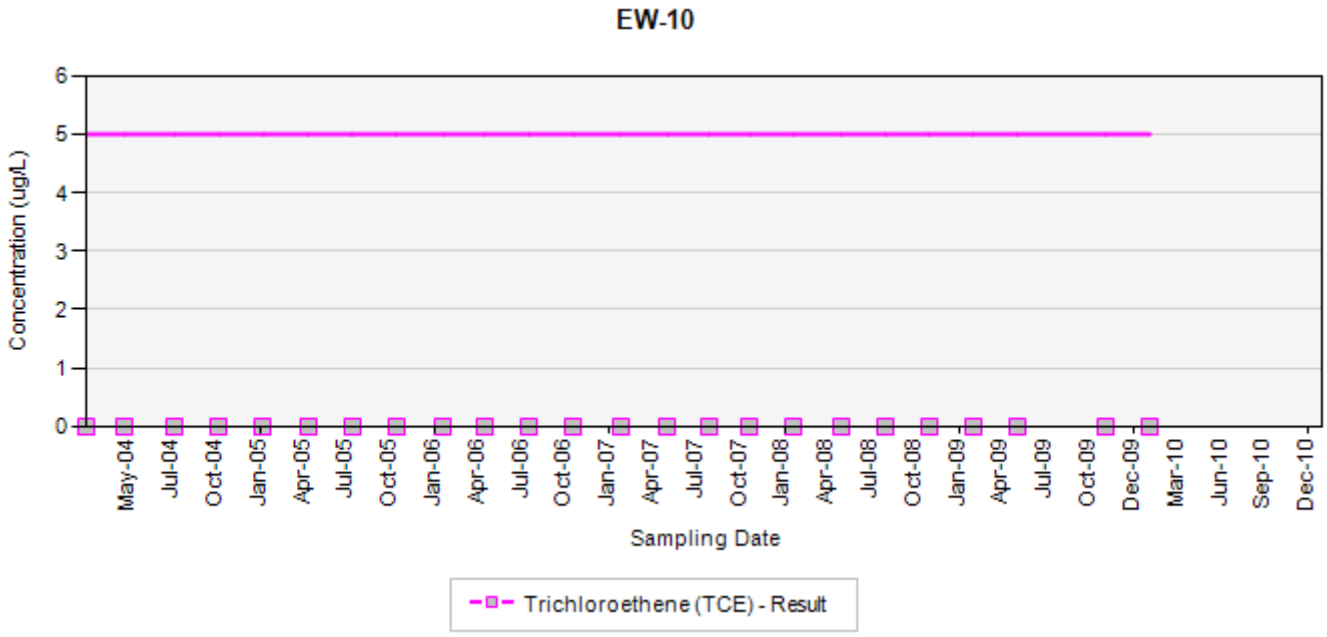
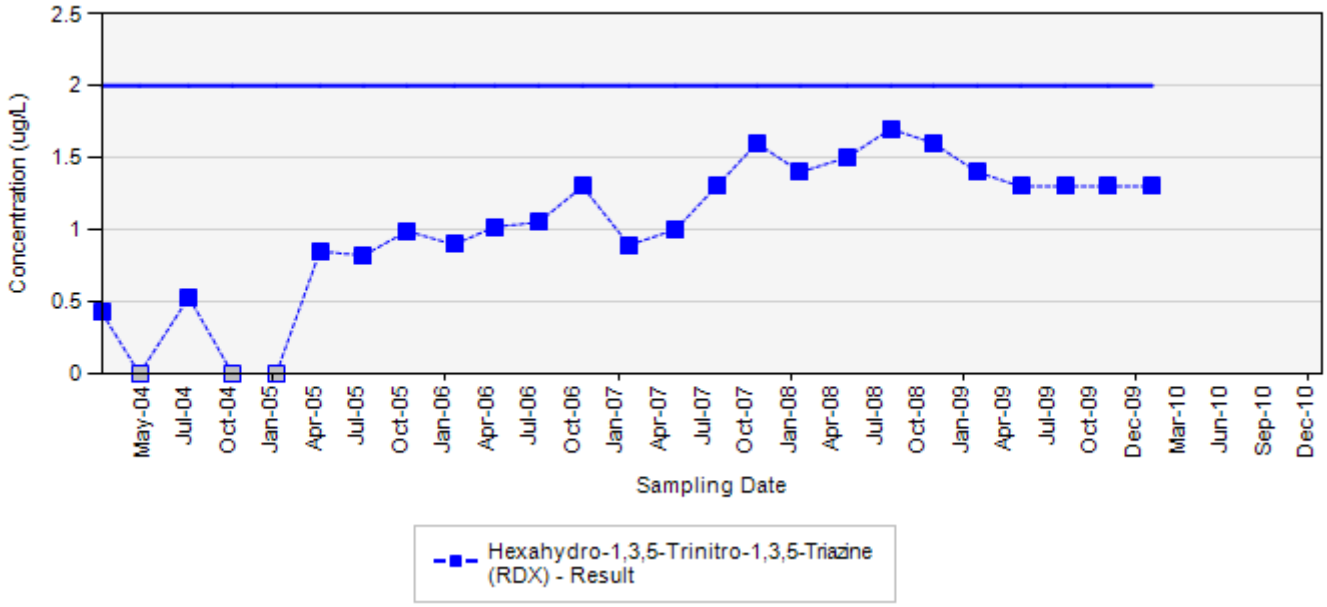
Historical Detections of TCE and RDX in Extraction Well
Former Nebraska Ordnance Plant, Mead, Nebraska





Final Target Groundwater Cleanup Goals for TCE is 5 UG/L
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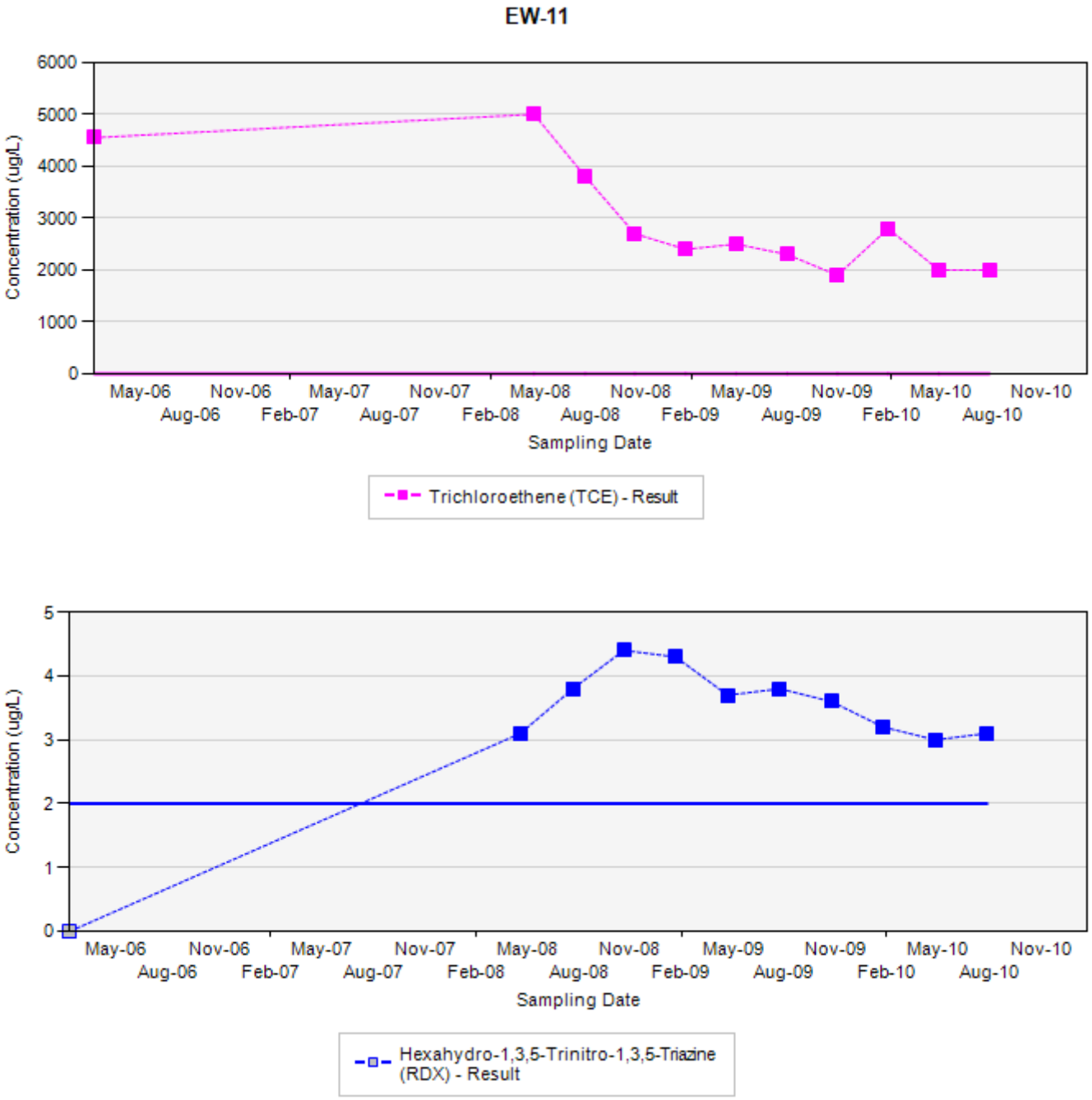
In the event that both a normal sample and a field duplicate were collected, the higher of the two results will be displayed on the chart

ug/L: micrograms per liter
Silver markers indicate non-detected results

Appendix O
Historical Detections of TCE and RDX in Extraction Well
Former Nebraska Ordnance Plant, Mead, Nebraska



Final Target Groundwater Cleanup Goals for TCE is 5 UG/L
Final Target Groundwater Cleanup Goals for RDX is 2 UG/L

In the event that both a normal sample and a field duplicate were collected, the higher of the two results will be displayed on the chart

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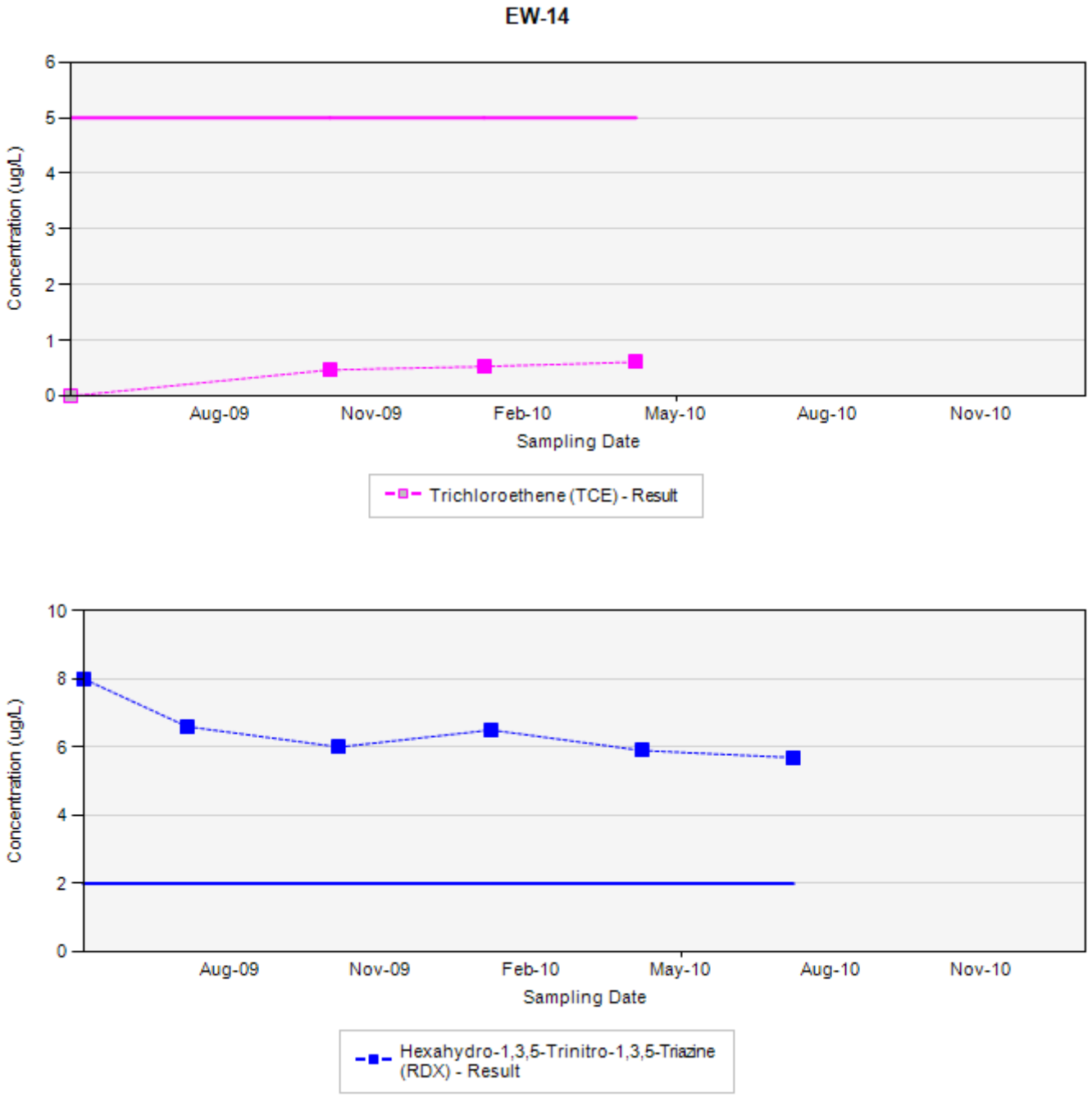
Silver markers indicate non-detected results

Appendix O
Historical Detections of TCE and RDX in Extraction Well
Former Nebraska Ordnance Plant, Mead, Nebraska



Final Target Groundwater Cleanup Goals for TCE is 5 UG/L
Final Target Groundwater Cleanup Goals for RDX is 2 UG/L

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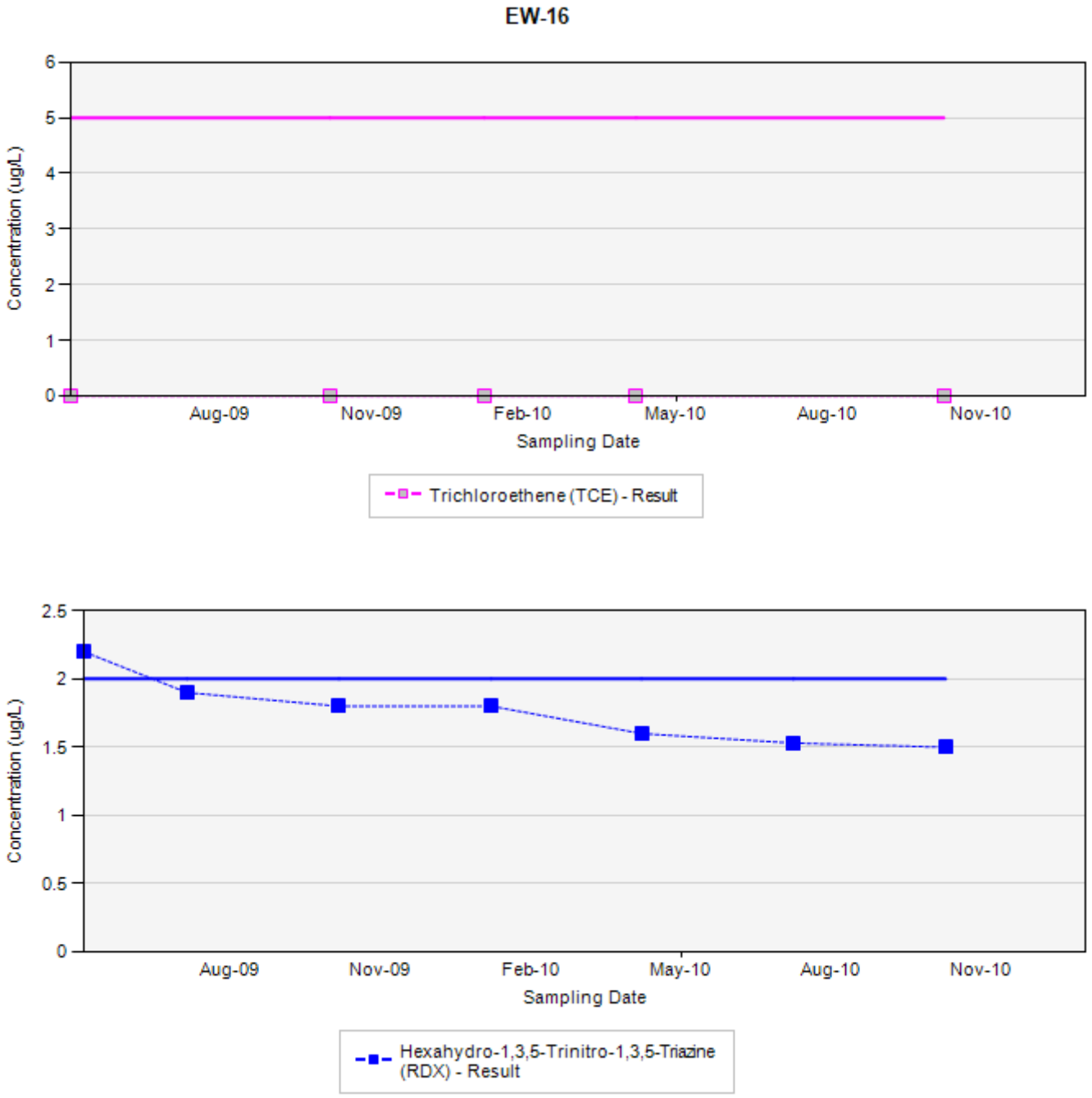
Former Nebraska Ordnance Plant, Mead, Nebraska



Final Target Groundwater Cleanup Goals for TCE is 5 UG/L
Final Target Groundwater Cleanup Goals for RDX is 2 UG/L

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ug/L: micrograms per liter
Silver markers indicate non-detected results