

Office of Environmental Management – Grand Junction



**July 2006 Water Sampling
Validation Data Package
for Performance Assessment of
the Monthly Sampling for the
Ground Water Interim Action
Moab, Utah**

October 2006



**U.S. Department
of Energy**

Office of Environmental Management

July 2006 Water Sampling

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Data Package Contents

This data package includes the following information:

<u>Item No.</u>	<u>Description of Contents</u>
1.	Sampling Event Summary
2.	Sample Location Maps
3.	Data Assessment Summary
	Water Sampling Field Activities Verification Checklist
	Laboratory Performance Assessment
	Field Analyses/Activities
	Certification

Attachment 1—Data Presentation

Minimums and Maximums Report
Anomalous Data Review Checksheet
Water Quality Data
Environmental Science Laboratory Water Quality Data
Water Level Data
Blanks Report
Time Versus Concentration Graphs

Attachment 2—Trip Reports

End of current text

Sampling Event Summary

Site: Moab, Utah

Sampling Period: July 14–August 3, 2006

The purpose of this sampling was to collect data that can be used to evaluate the performance of all configurations of the Interim Action well field, including the biogeochemical sampling effort.

Executive Summary

During the month of July, the average Configuration 1 ground water extraction rate was 33.6 gallons per minute (gpm), the average rate for well PW-02 was 25.9 gpm, and the average combined total extraction rate for Configurations 2 and 3 was 41.8 gpm. As a result, the Interim Action well field total ground water extraction average pumping rate was 101.3 gpm during this time period.

A summary of the July monthly operational data for the interim action ground water remediation system and cumulative to date is presented below.

Interim Action Well Field	
Total feed volume to sprinklers this month*:	3,340,694 gallons (gal)
Total feed volume to sprinklers cumulative to date*:	42,371,848 gal
Total feed volume to pond this month:	4,089,887 gal
Total feed volume to pond cumulative to date:	52,526,172 gal
Ammonia removed this month:	7,276 kilograms (kg)
Ammonia removed cumulative to date:	120,369 kg
Uranium removed this month:	40.3 kg
Uranium removed cumulative to date:	489 kg

*Revised values as of 10/26/06

Time versus concentration graphs for selected key performance indicator wells and major contaminants of concern are included. Data presented in these graphs indicate that contaminant concentrations generally remain at expected levels. Ammonia and uranium concentrations have generally stabilized, and a few wells show a notable change from earlier 2006 sampling events. Observation well 0405, associated with the Baseline Area, has been noted in recent Validation Data Packages with increasing uranium concentrations since March 2006. That concentration has now decreased to approximately 2.5 milligrams per liter (mg/L). Two other Baseline Area wells (0488 and 0489) were noted during the past two months with fluctuating uranium concentrations. Those two wells represent a deeper ground water zone than well 0405. Except for well 0493 (54-foot [ft] depth), the other depths sampled from wells 0405 and 0488 have exhibited greater fluctuations of uranium concentrations than in previous years (see time versus concentration graph for the Baseline Area). Earlier sampling events in 2004 and 2005 showed more predictability of concentration versus depth, with the shallowest zone having the lowest concentration. The Baseline Area is unaffected by the Interim Action well field.

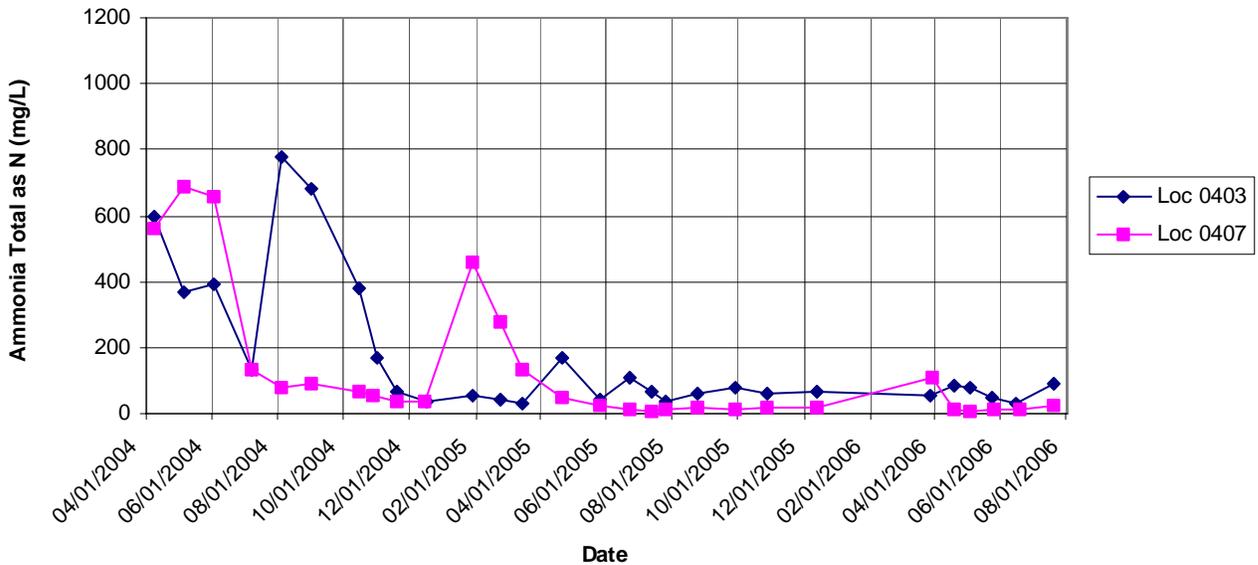
Observation well 0688, associated with Configuration 3, has shown increasing ammonia concentrations (from approximately 400 mg/L to now greater than 900 mg/L) since March 2006. However, this well is screened in the intermediate and deeper ground water zones, which are not typically affected by the Interim Action well field. Well 0404, which was sampled from approximately 18 ft, has an ammonia concentration of 350 mg/L. This is in the range of other shallow wells in this area.

Observation well 0408, upgradient to Configuration 2, showed a marked increase in uranium concentration (4 mg/L) in May from previous months. This well showed a slight decrease in uranium in June, but a repeat value of 4 mg/L this month. It will continue to be monitored in future monthly sampling events. Well 0408 is approximately 30 ft deep and is representative of the intermediate ground water zone. Two deeper zone wells, 0588 and 0589, located in the central portion of Configuration 2, also showed an increase in uranium, but generally the values were within the range of recent events and less than 2 mg/L. In contrast, near-shore river piezometers 0591 (0.11 mg/L) and 0603 (0.03 mg/L), downgradient to Configuration 2, continued to exhibit low uranium concentrations.

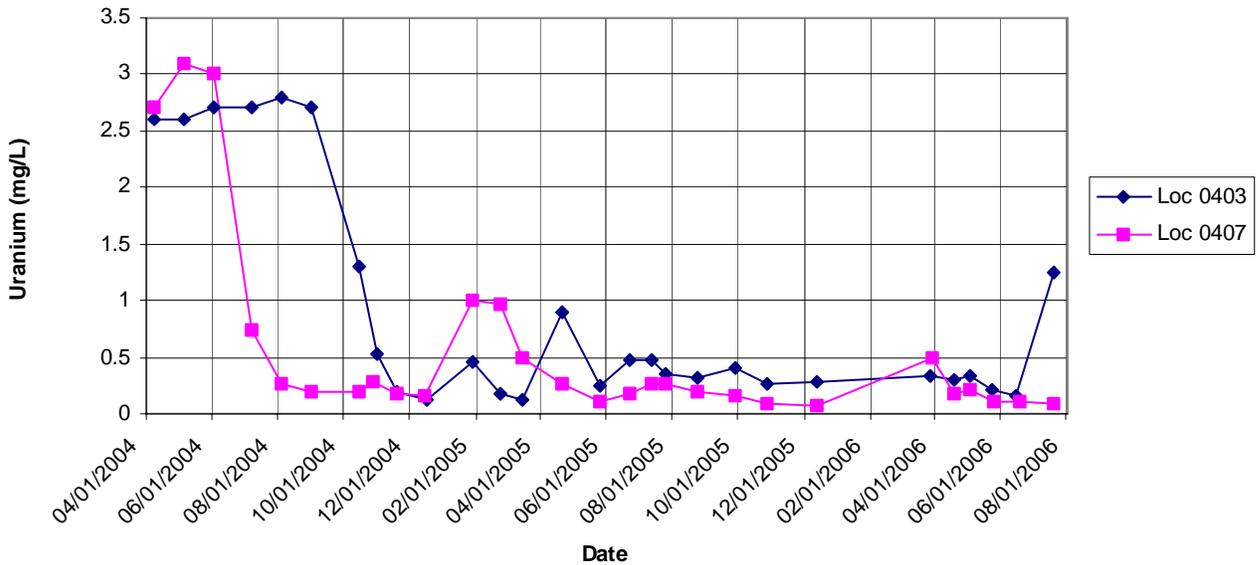
Two wells (0557 and 0558) associated with Configuration 1 were noted in the June Validation Data Package with a slight increase in uranium concentrations. The concentrations measured in ground water samples from these wells in July 2006 indicate values between 1.5 and 3.5 mg/L (still within range of historical average) depending upon the sample depth. As shown in the time versus concentration graphs for Configuration 1 for both uranium and ammonia, the lowest concentrations are mostly associated with the shallower depths. Typically, the intermediate and deep zones are not affected by the Interim Action well field.

Wells 0403 and 0407, which are 18 and 17 ft deep (shallow ground water zone), respectively, have been affected by the remedial actions of the Configuration 1 well field, and time versus concentration graphs for these two wells are provided below for illustration. Well 0403 shows an increase in uranium this month, but only to 1.2 mg/L. Both of these wells are downgradient to Configuration 1.

**Moab Site
Configuration 1 Observation Wells
Ammonia Total as N Concentration**



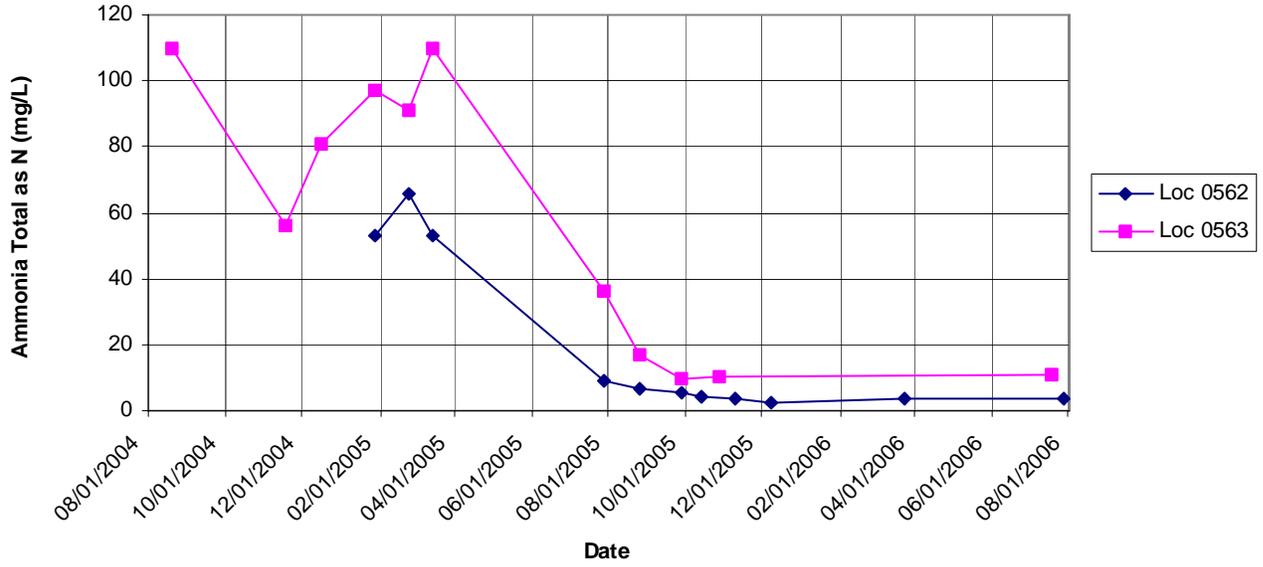
**Moab Site
Configuration 1 Observation Wells
Uranium Concentration**



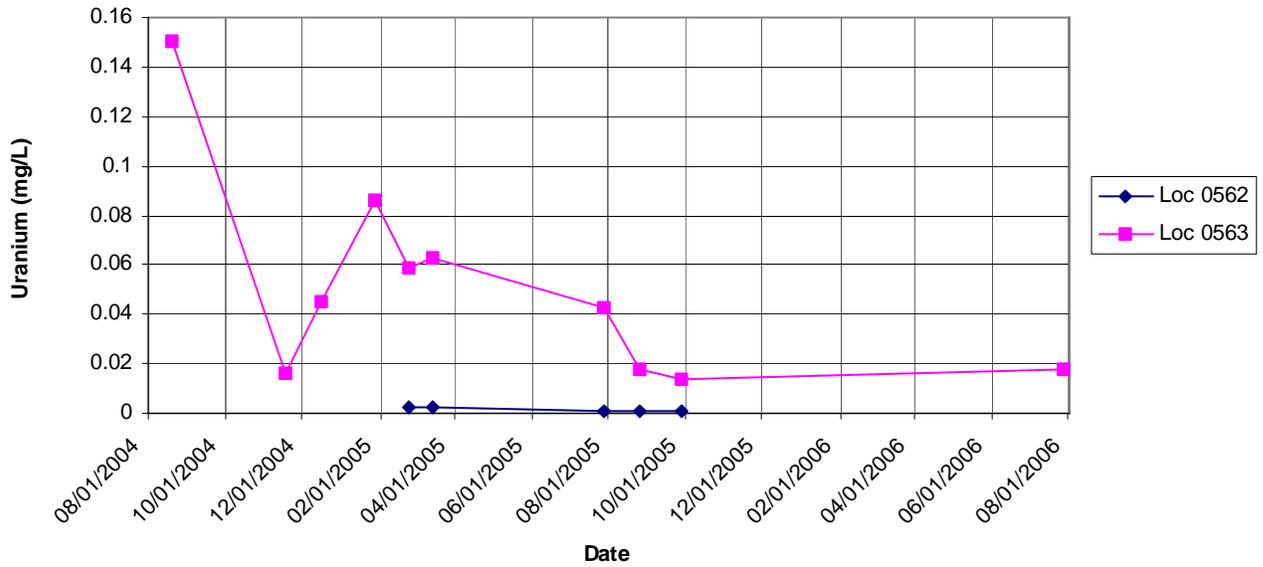
As noted above some riverbed piezometers were sampled this month following the drop in the Colorado River stage. Time versus concentration graphs for selected piezometers downgradient to the Interim Action well field illustrate the contaminant reductions for major contaminants of

concern, such as ammonia and uranium. Graphs for piezometers 0562 and 0563, which are associated with the Configuration 1 area, are provided below for illustration.

**Moab Site
Configuration 1 Piezometers
Ammonia Total as N Concentration**



**Moab Site
Configuration 1 Piezometers
Uranium Concentration**



The data validations indicate that the data meet the quality control criteria specified for this project. No significant discrepancies were noted regarding sample shipping and receiving, preservation and holding times, instrument calibration, method blanks, or matrix spikes, etc., except as qualified. The exceptions were several coolers sent to Paragon Analytics and one cooler sent to Severn Trent Laboratories that were received with elevated temperatures. The holding time for some total dissolved solids (TDS) samples also was exceeded for samples collected on July 31, 2006. The laboratories deemed the out-of-compliance temperatures did not affect the requested analyses.

Sampling and Analysis

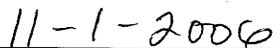
Sampling and analysis were conducted in accordance with the *Operations, Maintenance, and Performance Monitoring Plan for the Interim Action Ground Water Treatment System, March 2005*. Although not listed here, the normal set of locations were sampled. Please refer to the attached trip reports for specific sampled locations and an explanation of why some locations were not sampled, such as lack of recharge for some piezometers.

There were 23 locations with anomalous data points. Many of the anomalous high values were for dissolved gases, iron (II), manganese, or manganese (II) that are analyzed as part of the biogeochemical evaluation. All of the anomalous ammonia data were low. Wells 0581, SMI-PZ1S, and 0602 were high for uranium. Well 0602 was also high for chloride, sulfate, and TDS. Well 0602 is associated with Configuration 2, and wells 0581 and SMI-PZ1S are upgradient to Configuration 2 and the Baseline Area, respectively. While the uranium value (2.33 mg/L) is elevated compared to the historic maximum for well 0602, it is not above values detected historically in nearby wells. (Last month it was reported that the anomalous high value for uranium in well 0602 was 4.4 mg/L, that value should have been reported as 0.79 mg/L.) The high TDS and uranium concentrations in well 0602 appear to be a result of upconing of the brine due to extraction. This well and the others with anomalous high values will continue to be monitored in future sampling events, and a determination can then be made whether these values represent a trend or are just sporadic.

According to the United States Geological Survey (USGS) Cisco Gaging Station, the mean daily Colorado River flow rates varied between 3,300 and 6,510 cubic ft per second during this sampling period



John R. Ford
Ground Water Lead



Date

End of current text

Sample Location Maps

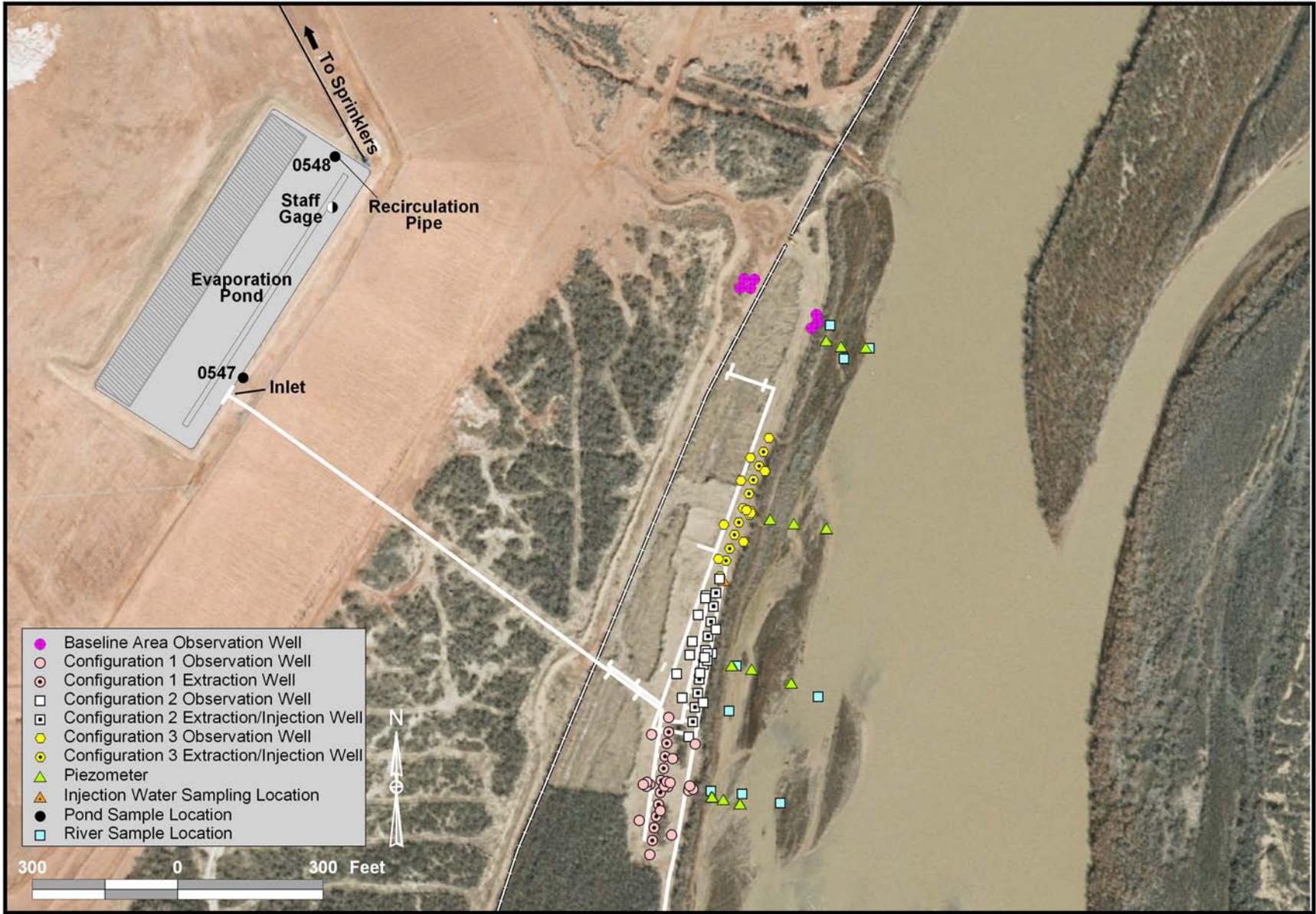


Figure 1. Sample Locations at the Interim Action Well Field and Baseline Area (may include locations not sampled)

Data Assessment Summary

Water Sampling Field Activities Verification Checklist

U.S. Department of Energy
October 2006

Project	<u>Moab, Utah</u>	Date(s) of Water Sampling	<u>July 14–August 3, 2006</u>
Date(s) of Verification	<u>October 10, 2006</u>	Name of Verifier	<u>Jeff Price</u>

	Response (Yes, No, NA)	Comments
1. Is the SAP the primary document directing field procedures? List other documents, SOPs, instructions.	<u>Yes</u> <u>NA</u>	
2. Were the sampling locations specified in the planning documents sampled?	<u>No</u>	<u>See Trip Reports for explanation.</u>
3. Was a pre-trip calibration conducted as specified in the aforementioned documents?	<u>Yes</u>	
4. Was an operational check of the field equipment conducted twice daily? Did the operational checks meet criteria?	<u>Yes</u> <u>Yes</u>	
5. Were the number and types (alkalinity, temperature, Ec, pH, turbidity, DO, ORP) of field measurements taken as specified?	<u>Yes</u>	
6. Was the category of the well documented?	<u>Yes</u>	
7. Were the following conditions met when purging a Category I well: Was one pump/tubing volume purged prior to sampling? Did the water level stabilize prior to sampling? Did pH, specific conductance, and turbidity measurements stabilize prior to sampling? Was the flow rate less than 500 milliliters per minute (mL/min)? If a portable pump was used, was there a 4-hour delay between pump installation and sampling?	<u>Yes</u> <u>Yes</u> <u>Yes</u> <u>Yes</u> <u>NA</u>	

Ground Water Interim Action Monthly Sampling
RIN: 06070424-06070426
Page 15

Water Sampling Field Activities Verification Checklist (continued)

- 8. Were the following conditions met when purging a Category II well:
 - Was the flow rate less than 500 mL/min? Yes
 - Was one pump/tubing volume removed prior to sampling? Yes
- 9. Were duplicates taken at a frequency of one per 20 samples? Yes
- 10. Were equipment blanks taken at a frequency of one per 20 samples that were collected with nondedicated equipment? Yes
- 11. Were trip blanks prepared and included with each shipment of volatile organic compound (VOC) samples? NA
- 12. Were QC samples assigned a fictitious site identification number?
 - Was the true identity of the samples recorded on the Quality Assurance Sample Log? Yes
- 13. Were samples collected in the containers specified? Yes
- 14. Were samples filtered and preserved as specified? Yes
- 15. Were the number and types of samples collected as specified? Yes
- 16. Were chain-of-custody (COC) records completed, and was sample custody maintained? Yes
- 17. Are field data sheets signed and dated by both team members? Yes
- 18. Was all other pertinent information documented on the field data sheets? Yes
- 19. Was the presence or absence of ice in the cooler documented at every sample location? Yes
- 20. Were water levels measured at the locations specified in the planning documents? Yes

Laboratory Performance Assessment

General Information

Requisition No. (RIN): 06070424
 Sample Event: July 14–August 3, 2006
 Site(s): Moab, Utah, Interim Action
 Laboratory: Paragon Analytics
 Work Order No.: 0607099
 Analysis: Metals, Inorganics, and Radiochemistry
 Validator: Gretchen Baer
 Review Date: October 9, 2009

This validation was performed according to the *Environmental Procedures Catalog (STO 6)*, “Standard Practice for Validation of Laboratory Data”, GT-9(P). All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 1.

Table 1. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Ammonia as N, NH ₃ -N	WCH-A-005	MCAWW 350.1	MCAWW 350.1
Bromide, Br	MIS-A-038	SW-846 9056	SW-846 9056
Chloride, Cl	MIS-A-039	SW-846 9056	SW-846 9056
Radon-222, Rn-222	ASP-A-012	SOP 799R6	SOP 704R6
Sulfate, SO ₄	MIS-A-044	SW-846 9056	SW-846 9056
Total Dissolved Solids, TDS	WCH-A-033	MCAWW 160.1	MCAWW 160.1
Total Suspended Solids, TSS	WCH-A-034	MCAWW 160.2	MCAWW 160.2
Uranium, U	GJO-01	SW-846 3005A	SW-846 6020A

Data Qualifier Summary

Analytical results were qualified as listed in Table 2. Refer to the attached validation worksheets and the sections below for an explanation of the data qualifiers applied.

Table 2. Data Qualifiers

Sample Number	Location	Analyte	Flag	Reason
0607099-41	589	NH ₃ -N	J	Matrix spike failure
0607099-62	2237	U	U	Less than 5 times the calibration blank
0607099-64	2240	U	U	Less than 5 times the calibration blank
0607099-76	547	Rn-222	J	Less than 3 times the MDC
0607099-78	557	TDS	J	Exceeded holding time

Table 2. Data Qualifiers (Continued)

Sample Number	Location	Analyte	Flag	Reason
0607099-82	570	TDS	J	Exceeded holding time
0607099-83	571	TDS	J	Exceeded holding time
0607099-84	572	TDS	J	Exceeded holding time
0607099-85	573	TDS	J	Exceeded holding time
0607099-86	575	TDS	J	Exceeded holding time
0607099-87	576	TDS	J	Exceeded holding time
0607099-88	577	TDS	J	Exceeded holding time
0607099-89	579	TDS	J	Exceeded holding time
0607099-90	484	NH4-N	J	Matrix spike failure
0607099-92	493	TDS	J	Exceeded holding time
0607099-94	2227	TDS	J	Exceeded holding time
0607099-95	2233	U	U	Less than 5 times the calibration blank
0607099-96	2234	TDS	J	Exceeded holding time
0607099-96	2234	U	U	Less than 5 times the calibration blank
0607099-98	2238	TDS	J	Exceeded holding time
0607099-99	SMI-PW01	TDS	J	Exceeded holding time
0607099-101	SMI-PZ1D2	TDS	J	Exceeded holding time
0607099-102	SMI-PZ1M	TDS	J	Exceeded holding time
0607099-103	SMI-PZ1S	TDS	J	Exceeded holding time

Sample Shipping/Receiving

Paragon Analytics in Fort Collins, Colorado, received 106 samples on July 15 and 28, and August 7, 2006, accompanied by Chain of Custody (COC) forms. The COC forms were checked to confirm that all of the samples were listed on the forms with sample collection dates and times, and that signatures and dates were present, indicating sample relinquishment and receipt. The sample submittal documents, including the COC forms and the sample tickets, had no errors or omissions, with the exception that ticket NFB 604 was missing. The laboratory noted this omission on the associated sample receipt form.

Preservation and Holding Times

The sample shipments were received intact, with the temperature within the coolers of 5.6, 5.8, 2.2, 19.0, and 20.2 °C, which does not comply with requirements in all cases. The out-of-compliance temperatures did not impact the requested analyses. All samples were received in the correct container types and had been preserved correctly for the requested analyses. All 17 samples that were collected on July 31, 2006, exceeded the 7-day holding time for total dissolved solids (TDS) analysis. All 16 samples that were collected on July 24 and August 1, 2006, were listed by the laboratory as having exceeded the TDS holding time, but the 7-day requirement was met, so the data were not further qualified. Both Radon-222 (Rn-222) samples exceeded the laboratory's required 3-day holding time; however, since no regulatory limit has been set for Rn-222 holding times, the data were not further qualified. The laboratory reported the holding time issues in a Noncompliance Report (NCR).

Laboratory Instrument Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data for all analytes. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing a linear curve. Compliance requirements for continuing calibration checks are established to ensure that the instrument continues to be capable of producing acceptable qualitative and quantitative data. All laboratory instrument calibrations were performed correctly in accordance with the cited methods.

Method SW-846 6020A Uranium

Calibrations for uranium were performed on July 19, August 1, and August 22, 2006. The initial calibrations were performed using six calibration standards, resulting in calibration curves with correlation coefficient (r^2) values greater than 0.995. The absolute values of the curve intercepts were less than 3 times the Method Detection Limit (MDL). Calibration and laboratory spike standards were prepared from independent sources. Initial and continuing calibration verification (ICV and CCV) checks were made at the required frequency, resulting in 26 CCVs. All calibration check results met the acceptance criteria. A reporting limit verification check was made at the required frequency to verify the linearity of the calibration curve near the practical quantitation limit. The checks were within the acceptance criteria range. Mass calibration and resolution verifications were performed at the beginning of each analytical run in accordance with the analytical procedure. Internal standard recoveries were stable and within acceptable ranges.

Method SW-846 9056 Anions

The initial calibrations for bromide, chloride, and sulfate were performed using five calibration standards each on July 19, 24, and 31, and August 2, 2006. The calibration curve r^2 values were greater than 0.995, and intercepts were less than 3 times the MDL. Initial calibration and calibration check standards were prepared from independent sources. ICV and CCV checks were made at the required frequency, resulting in 36 CCVs for bromide, 42 CCVs for chloride, and 35 CCVs for sulfate. The calibration checks met the acceptance criteria with the exception of one CCV for sulfate, which was below the acceptance criteria. The laboratory re-analyzed all associated samples, so no data were qualified.

Method MCAWW 160.1 Total Dissolved Solids

There is no initial or continuing calibration requirement associated with the determination of TDS.

Method MCAWW 160.2 Total Suspended Solids

There is no initial or continuing calibration requirement associated with the determination of Total Suspended Solids (TSS).

Method MCAWW 350.1 Ammonia as N

The initial calibration for ammonia as N was performed using six calibration standards on August 3, 4, and 17, 2006, resulting in a calibration curve with r^2 value greater than 0.995 and an intercept less than 3 times the MDL. ICV and CCV checks were made at the required frequency, resulting in 22 CCVs. All calibration check results were within the acceptance criteria.

Radiochemical Analysis

All radiochemical results reported included the calculated two-sigma total propagated uncertainty (TPU) and minimum detectable concentration (MDC). Radiochemical results are qualified with a “J” flag (estimated) when the result is greater than the MDC but less than 3 times the MDC. Radiochemical results are qualified with a “U” flag (not detected) when the result is greater than the MDC but less than the TPU.

Method SOP 704R6 Radon-222

Instrument calibration was performed on August 8, 2006. According to the Daily Instrument Performance Checks worksheet, an instrument check was not performed on the date of sample analysis (August 9, 2006); however, one of the dates on the worksheet may be a typographical error. The samples were not further qualified. All daily instrument checks met the acceptance criteria.

The expiration dates of the standards used for efficiency calibrations and calibration verifications could not be verified because the re-verification data were not included in the report.

Method and Calibration Blanks

Method blanks are analyzed to assess any contamination that may have occurred during sample preparation. Calibration blanks are analyzed to assess instrument contamination prior to and during sample analysis. All initial and continuing calibration blank (CCB) results were below the practical quantitation limits for all analytes with the exception of one CCB for chloride, which was slightly above the reporting limit. The laboratory re-analyzed all associated samples with chloride concentrations less than 10 times the CCB, so no data were qualified. In cases where blank concentration exceeds the instrument detection limit, the associated sample results are qualified with a “U” flag (not detected) when the sample result is greater than the MDL but less than 5 times the blank concentration. The uranium results for four samples were less than 5 times the concentration of the associated continuing calibration blank and are qualified as “U”. A method blank result for TDS was reported incorrectly in the Supporting Raw Data section, but was reported correctly on the Method Blank form, so the data were not qualified. All radiochemical method blank results were below the MDC.

Inductively Coupled Plasma Interference Check Sample Analysis

Inductively coupled plasma interference check samples were analyzed at the required frequency to verify the instrumental interference and background correction factors. All check sample results met the acceptance criteria.

Matrix Spike Analysis

Matrix spike and matrix spike duplicate (MS/MSD) pairs were analyzed for uranium, ammonia as N, and bromide as a measure of method performance in the sample matrix. The MS/MSD data are not evaluated when the concentration of the unspiked sample is greater than 4 times the spike concentration. The spike recoveries met the recovery and precision criteria for all analytes evaluated with the exception of ammonia as N. Ammonia as N results for the native samples are qualified with a "J" flag as estimated values.

Laboratory Replicate Analysis

The relative percent difference (RPD) values for the laboratory replicate sample and MSD sample results for all analytes were less than 20 percent, indicating acceptable laboratory precision.

Laboratory Control Sample

Laboratory control samples were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The results were acceptable for all analytes. A laboratory control sample result for TDS was reported incorrectly in the Supporting Raw Data section, but was reported correctly on the Method Blank form, so the data were not qualified.

Metals Serial Dilution

Serial dilutions were performed during the uranium analysis to monitor physical or chemical interferences that may exist in the sample matrix. The results were all within the acceptance range.

Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The samples were diluted prior to analysis of uranium to reduce interferences. The required detection limits (RDLs) were achieved for all analytes with the following exception: the Rn-222 RDL exceeded the laboratory's required limit of 50 pCi/L; however, since no regulatory limit has been set for Rn-222 RDLs, the data were not further qualified.

Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

Chromatography Peak Integration

The integration of analyte peaks was reviewed for all ion chromatography data. There were no manual integrations performed, and all peak integrations were satisfactory.

Electronic Data Deliverable File

The electronic data deliverable (EDD) file arrived on August 31, 2006. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package. For bromide, chloride, and sulfate data, there were discrepancies between the actual analysis dates and the analysis dates that were reported in the EDD and on the Sample Results forms in the data package. Paragon Analytics personnel indicated that this error is due to a limitation in their Laboratory Information Management System when samples are analyzed more than once in a run before and after midnight. Paragon Analytics is manually correcting the data and will transmit a corrected EDD. Paragon Analytics is initiating an NCR. No data were qualified.

General Information

Requisition No. (RIN): 06070425
Sample Event: July 17–20, 2006
Site(s): Moab, Utah
Laboratory: Severn Trent, St. Louis
Work Order No.: F6G240153
Analysis: Metals, Inorganics
Validator: Steve Donovan
Review Date: September 18, 2006

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), “Standard Practice for Validation of Laboratory Data,” GT-9(P) (2004). See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 3.

Table 3. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Ammonia as N, NH ₃ -N	WCH-A-005	MCAWW 350.1	MCAWW 350.1
Bromide, Br	MIS-A-038	MCAWW 300.0A	MCAWW 300.0A
Chemical Oxygen Demand, COD	WCH-A-010	MCAWW 410.4	MCAWW 410.4
Chloride, Cl	MIS-A-039	MCAWW 300.0A	MCAWW 300.0A
Iron, Fe	GJO-16	SW-846 3005A	SW-846 6010B
Manganese, Mn	GJO-17	SW-846 3005A	SW-846 6020A
Nitrite/Nitrate as N, NO ₂ /NO ₃ -N	WCH-A-005	MCAWW 353.2	MCAWW 353.2
Phosphate as P	WCH-A-029	MCAWW 365.2	MCAWW 365.2
Selenium, Se	GJO-14	SW-846 3005A	SW-846 6020A
Sulfate, SO ₄	MIS-A-044	MCAWW 300.0A	MCAWW 300.0A
Total Dissolved Solids, TDS	WCH-A-033	MCAWW 160.1	MCAWW 160.1
Total Inorganic Carbon, TIC	GJO-49	MCAWW 415.1	MCAWW 415.1
Total Kjeldahl Nitrogen, TKN	WCH-A-039	MCAWW 351.2	MCAWW 351.2
Total Organic Carbon, TOC	WCH-A-025	MCAWW 415.1	MCAWW 415.1
Uranium, U	GJO-01	SW-846 3005A	SW-846 6020A

Data Qualifier Summary

Analytical results were qualified as listed in Table 4. Refer to the sections below for an explanation of the data qualifiers applied.

Table 4. Data Qualifiers

Sample Number	Location	Analyte	Flag	Reason
F6G240153-01	0403	Br	J	Matrix spike failure
F6G240153-01	0403	COD	J	Matrix spike failure
F6G240153-01	0403	TKN	J	Matrix spike failure
F6G240153-02	0405	Br	J	Matrix spike failure
F6G240153-02	0405	Cl	J	Matrix spike failure
F6G240153-02	0405	COD	J	Matrix spike failure
F6G240153-02	0405	TDS	J	Expired holding time
F6G240153-02	0405	TKN	J	Matrix spike failure
F6G240153-03	0407	TKN	J	Matrix spike failure
F6G240153-04	0483	Br	J	Matrix spike failure
F6G240153-04	0483	Cl	J	Matrix spike failure
F6G240153-04	0483	COD	J	Matrix spike failure
F6G240153-04	0483	TKN	J	Matrix spike failure
F6G240153-05	0488	Br	J	Matrix spike failure
F6G240153-05	0488	Cl	J	Matrix spike failure
F6G240153-05	0488	COD	J	Matrix spike failure
F6G240153-05	0488	TDS	J	Expired holding time
F6G240153-05	0488	TKN	J	Matrix spike failure
F6G240153-06	0495	Br	J	Matrix spike failure
F6G240153-06	0495	Cl	J	Matrix spike failure
F6G240153-06	0495	COD	J	Matrix spike failure
F6G240153-06	0495	TKN	J	Matrix spike failure
F6G240153-07	0559	Cl	J	Matrix spike failure
F6G240153-07	0559	COD	J	Matrix spike failure
F6G240153-07	0559	TKN	J	Matrix spike failure
F6G240153-15	0563	Br	J	Matrix spike failure
F6G240153-16	0565	Br	J	Matrix spike failure
F6G240153-16	0565	Cl	J	Matrix spike failure
F6G240153-16	0565	TDS	J	Expired holding time
F6G240153-17	0588	Br	J	Matrix spike failure
F6G240153-17	0588	COD	J	Matrix spike failure
F6G240153-17	0588	TKN	J	Matrix spike failure
F6G240153-18	0589	Cl	J	Matrix spike failure
F6G240153-18	0589	COD	J	Matrix spike failure
F6G240153-18	0589	TKN	J	Matrix spike failure
F6G240153-21	0591	Br	J	Matrix spike failure
F6G240153-21	0591	Cl	J	Matrix spike failure
F6G240153-22	0597	Br	J	Matrix spike failure
F6G240153-24	0602	Br	J	Matrix spike failure
F6G240153-24	0602	Cl	J	Matrix spike failure
F6G240153-24	0602	COD	J	Matrix spike failure
F6G240153-24	0602	TKN	J	Matrix spike failure
F6G240153-26	0603	Br	J	Matrix spike failure
F6G240153-26	0603	COD	J	Matrix spike failure

Table 4. Data Qualifiers (Continued)

Sample Number	Location	Analyte	Flag	Reason
F6G240153-26	0603	TKN	J	Matrix spike failure
F6G240153-28	0604	Br	J	Matrix spike failure
F6G240153-29	0606	Br	J	Matrix spike failure
F6G240153-30	0686	Cl	J	Matrix spike failure
F6G240153-30	0686	COD	J	Matrix spike failure
F6G240153-30	0686	TDS	J	Expired holding time
F6G240153-30	0686	TKN	J	Matrix spike failure
F6G240153-31	0687	Cl	J	Matrix spike failure
F6G240153-31	0687	COD	J	Matrix spike failure
F6G240153-31	0687	TKN	J	Matrix spike failure
F6G240153-34	0691	Br	J	Matrix spike failure
F6G240153-35	0692	Br	J	Matrix spike failure
F6G240153-36	0694	Br	J	Matrix spike failure
F6G240153-37	0695	Br	J	Matrix spike failure
F6G240153-37	0695	COD	J	Matrix spike failure
F6G240153-37	0695	TKN	J	Matrix spike failure
F6G240153-39	2322	Cl	J	Matrix spike failure
F6G240153-39	2322	TKN	J	Matrix spike failure
F6G240153-41	2323	COD	J	Matrix spike failure
F6G240153-41	2323	TKN	J	Matrix spike failure
F6G240153-43	2328	Br	J	Matrix spike failure
F6G240153-43	2328	Cl	J	Matrix spike failure
F6G240153-43	2328	COD	J	Matrix spike failure
F6G240153-43	2328	TKN	J	Matrix spike failure

Sample Shipping/Receiving

Severn Trent Laboratories in St. Louis, Missouri received 44 water samples on July 22, 2006, accompanied by a COC form. The COC form was checked to confirm that all of the samples were listed on the form with sample collection dates and times, and that signatures and dates were present indicating sample relinquishment and receipt. The sample submittal documents, including the COC form and the sample tickets, had no errors or omissions.

Preservation and Holding Times

The sample shipment was received intact, with the temperature within the coolers between 4 °C and 5 °C, with the exception of cooler three. This cooler did not arrive at the laboratory until July 24, 2006, and was received at a temperature of 12 °C. The analytes requested for the samples in this cooler are not affected by temperature variations up to ambient temperature. All samples were received in the correct container types and had been preserved correctly for the requested analyses. All samples were analyzed within the applicable holding times with the exception of four samples for TDS. These data are qualified with a “J” flag as estimated values.

Laboratory Instrument Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data for all analytes. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing a linear curve. Compliance requirements for continuing calibration checks are established to ensure that the instrument continues to be capable of producing acceptable qualitative and quantitative data. All laboratory instrument calibrations were performed correctly in accordance with the cited methods.

Method SW-846 6010B Iron

Calibration for iron was performed on July 26, 2006, using one calibration standard. The absolute value of the calibration curve intercept was less than 3 times the MDL. Calibration and laboratory spike standards were prepared from independent sources. ICV and CCV checks were made at the required frequency, resulting in eight CCVs. All calibration checks met the acceptance criteria. Reporting limit verification checks were made at the beginning and end of the analytical sequence to verify the linearity of the calibration curve near the practical quantitation limit. All results were within the acceptance range.

Method SW-846 6020A Manganese, Selenium, Uranium

Calibrations for manganese, selenium, and uranium were performed on August 8, 2006. The initial calibrations were performed using five calibration standards, resulting in calibration curves with r^2 values greater than 0.995. The absolute values of the curve intercepts were less than 3 times the MDL. Calibration and laboratory spike standards were prepared from independent sources. ICV and CCV checks were made at the required frequency, resulting in ten CCVs. All calibration check results met the acceptance criteria. A reporting limit verification check was made at the required frequency to verify the linearity of the calibration curve near the practical quantitation limit. The check results for all analytes were within the acceptance criteria range. Mass calibration and resolution verifications were performed at the beginning of each analytical run in accordance with the analytical procedure. Internal standard recoveries were stable and within acceptable ranges.

Method MCAWW 300.0A Anions

The initial calibrations for bromide, chloride, and sulfate were performed using five calibration standards each on July 22, 2006. The calibration curve r^2 values were greater than 0.995 and intercepts were less than 3 times the MDL. Initial calibration and calibration check standards were prepared from independent sources. ICV and CCV checks were made at the required frequency. All calibration checks met the acceptance criteria.

Method MCAWW 160.1 Total Dissolved Solids

There is no initial or continuing calibration requirement associated with the determination of TDS.

Method MCAWW 350.1 Ammonia as N

The initial calibrations for ammonia as N were performed using six calibration standards on July 27, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. ICV and CCV checks were made at the required frequency, resulting in nine CCVs. All calibration check results met the acceptance criteria.

Method MCAWW 351.2 Total Kjeldahl Nitrogen

The initial calibrations for total Kjeldahl nitrogen (TKN) were performed using five calibration standards on June 8, 2006 and June 14, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. ICV and CCV checks were made at the required frequency, resulting in seven CCVs. All calibration check results met the acceptance criteria.

Method MCAWW 353.2 Nitrate as N

The initial calibrations for nitrite/nitrate as N were performed using six calibration standards on July 26, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. ICV and CCV checks were made at the required frequency, resulting in five CCVs. All calibration check results met the acceptance criteria.

Method MCAWW 365.2 Total Phosphate

The initial calibrations for phosphate as P were performed using four calibration standards on August 3, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. ICV and CCV checks were made at the required frequency, resulting in six CCVs. All calibration check results met the acceptance criteria.

Method MCAWW 410.4 Chemical Oxygen Demand

There is no initial or continuing calibration requirement associated with the determination of chemical oxygen demand (COD).

Method MCAWW 415.1 Total Organic Carbon

The initial calibrations for organic carbon were performed using three calibration standards on August 8, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. ICV and CCV checks were made at the required frequency, resulting in seven CCVs. All calibration check results met the acceptance criteria.

Method MCAWW 415.1 Total Inorganic Carbon

The initial calibrations for total inorganic carbon were performed using three calibration standards on August 10, 2006, resulting in calibration curves with r^2 values greater than 0.995 and intercepts less than 3 times the MDL. ICV and CCV checks were made at the required frequency, resulting in four CCVs. All calibration check results met the acceptance criteria.

Method and Calibration Blanks

Method blanks are analyzed to assess any contamination that may have occurred during sample preparation. Calibration blanks are analyzed to assess instrument contamination prior to and during sample analysis. All method blanks and calibration blanks were below the RDLs. In cases where blank concentration exceeds the instrument detection limit, the associated sample results are qualified with a “U” flag (not detected) when the sample result is greater than the MDL but less than 5 times the blank concentration.

Inductively Coupled Plasma Interference Check Sample Analysis

Inductively coupled plasma interference check samples were analyzed at the required frequency to verify the instrumental interference and background correction factors. All check sample results met the acceptance criteria.

Matrix Spike Analysis

MS samples were analyzed for all analytes as a measure of method performance in the sample matrix. Manganese spike recoveries were not evaluated because the concentration of the unspiked samples was greater than 4 times the spike amount. The spike recoveries met the recovery and precision criteria for all analytes with the following exceptions: the bromide, chloride (analyzed on August 2, 2006), COD, and TKN spike recoveries were outside the acceptance range. All results that are greater than the MDL are qualified with a “J” flag as estimated values.

Laboratory Replicate Analysis

The RPD values for the laboratory replicate sample and MSD sample results for all analytes were less than 20 percent for results that are greater than 5 times the practical quantitation limit, indicating acceptable laboratory precision.

Laboratory Control Sample

Laboratory control samples were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The results were acceptable for all analytes.

Metals Serial Dilution

Serial dilutions were performed during the metals analysis to monitor physical or chemical interferences that may exist in the sample matrix. All results met the acceptance criteria

Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The samples were diluted prior to analysis of COD, selenium, and uranium to reduce interferences, resulting in elevated detection limits. The RDLs were achieved for all other analytes.

Completeness

Results were reported in the correct units for all analytes requested, using contract-required laboratory qualifiers.

Chromatography Peak Integration

The integration of analyte peaks was reviewed for all ion chromatography data. There were no manual integrations performed, and all peak integrations were satisfactory.

Electronic Data Deliverable File

The EDD file arrived on August 18, 2006. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

General Information

Requisition No. (RIN): 06070426
Sample Event: July 17–20, 2006
Site(s): Moab, Utah
Laboratory: Microseeps, Pittsburgh, PA
Work Order: P0607349
Analysis: Dissolved Gasses, Reduced Metals
Validator: Steve Donovan
Review Date: September 18, 2006

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), “Standard Practice for Validation of Laboratory Data,” GT-9(P) (2004). See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed at Analytical Service Level C (ASL C), standard deliverable. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 5.

Table 5. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Dissolved Gasses	GJO-52	AM20GAX	AM20GAX
Manganese (II)	GJO-53	Mod.7199	Mod.7199
Iron (II)	GJO-54	Mod.7199	Mod.7199

Data Qualifier Summary

None of the results required qualification.

Sample Shipping/Receiving

Microseeps, in Pittsburgh, Pennsylvania, received 26 water samples on July 20, 2006, accompanied by a COC form. The COC form was checked to confirm that all of the samples were listed on the form with sample collection dates and times, and that signatures and dates were present, indicating sample relinquishment and receipt. The COC form was complete with no errors or omissions.

Preservation and Holding Times

The sample shipments were received cool and intact. All samples were received in the correct container types and had been preserved correctly for the requested analyses. There are no standard holding times for these analytes, and the analyses were completed as quickly as possible.

Laboratory Instrument Calibration

Data for this RIN were report at ASL C (results plus quality control) and do not include calibration data.

Method Blanks

All method blank results were below the practical quantitation limits.

Matrix Spike Analysis

MS/MSD were analyzed for iron (II) and manganese (II) as a measure of method performance in the sample matrix. The MS and MSD met the acceptance criteria for all spiked samples.

Laboratory Replicate Analysis

The RPD values for the laboratory control sample duplicate samples and MSD sample results for all analytes were less than 20 percent, indicating acceptable precision.

Laboratory Control Sample

Laboratory control samples were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The results were acceptable for all analysis categories.

Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The RDLs were met for all analytes.

Completeness

Results were reported in the correct units for all analytes requested, using contract-required laboratory qualifiers.

Electronic Data Deliverable File

The EDD file arrived on August 1, 2006. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

End of current text

Field Analyses/Activities

The following information summarizes the field analyses and activities for this sampling event period.

Field Activities

All monitor well results were purged and sampled using the low-flow sampling method; extraction wells are not sampled using the low-flow sampling method. Four equipment blanks were collected and analyzed for the same constituents as the Moab environmental samples. Several analyte concentrations measured in the equipment blanks were above their respective RDLs, but are still considered acceptable. Seven duplicate samples were collected. There are no established regulatory criteria for the evaluation of field duplicate samples; therefore, U.S. Environmental Protection Agency (EPA) guidance for laboratory duplicates (which is conservative for field duplicates) was used to assess the precision of the field duplicates. With the exception of three results, all results met the criteria of ± 20 RPD and are considered acceptable.

End of current text

Certification

Results were reported in correct units for all analytes requested. Appropriate contract-required laboratory qualifiers and target analyte lists were used. The RDLs were met when possible or an explanation of why they were not met was given in the laboratory case narrative. All analytical quality control criteria were met except as qualified on the Ground Water Quality Data by Parameter, Surface Water Quality by Parameter, or equipment/trip blank database printouts. The meaning of data qualifiers is defined on the database printouts or defined in the EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, Multi-Media Multi-Concentration, Document Number ILMO2.0, 1991. All data in this package are considered validated and may be treated as final results.

Laboratory Validation Lead: Steve Donivan 10-31-2008
Steve Donivan/Gretchen Baer Date

Field Activities Validation Lead: John Ford 11-1-2006
for Jeff Price Date

End of current text

Attachment 1

Data Presentation

Minimums and Maximums Report

Minimums and Maximums Report

The Minimums and Maximums Report is generated by a data validation application (DataVal) used to query the SEEPro database. The DataVal compares the new data set with historical data and lists all new data that fall outside the historical data range. Values listed in the report are further screened, and the results are not considered anomalous if: (1) identified low concentrations are the result of low detection limits; (2) the concentration detected is within 50 percent of historical minimum or maximum values; or (3) there were fewer than five historical samples for comparison.

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: PAR, PARAGON (Fort Collins, CO)

LAB REQUISITION(S): 06070424

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/10/06 02:25:41: PM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT		HISTORICAL MAXIMUM		HISTORICAL MINIMUM		COUNT	
				RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	N	N BELOW DETECT
MOA01	0245	07/27/2006	Chloride	81		170		92		7	0
MOA01	0402	08/02/2006	Uranium	3.3	F	2.7188		0.095	F	24	0
MOA01	0474	07/14/2006	Chloride	750		8100	F	880		33	0
MOA01	0476	07/14/2006	Chloride	630		7400	F	650		31	0
MOA01	0479	07/14/2006	Uranium	4.6		3.5		0.68		33	0
MOA01	0480	08/01/2006	Ammonia Total as N	270	F	1100	JF	580	F	13	0
MOA01	0480	08/01/2006	Sulfate	4500	F	11200		8800	F	13	0
MOA01	0480	08/01/2006	Total Dissolved Solids	11000	F	28000	F	16000	F	13	0
MOA01	0480	08/01/2006	Uranium	2	F	3.7	F	2.9	F	13	0
MOA01	0481	08/01/2006	Sulfate	8700	F	11000	F	9000	F	14	0
MOA01	0481	08/01/2006	Uranium	3.7	F	3.5	F	2.8	F	14	0
MOA01	0484	08/01/2006	Sulfate	9300	F	11000	F	9600	F	21	0
MOA01	0497	07/25/2006	Ammonia Total as N	180	QF	470	F	360	FQ	7	0
MOA01	0548	08/03/2006	Sulfate	7400		19000		8000		21	0
MOA01	0562	07/27/2006	Chloride	70	QF	550	FQ	78	FQ	10	0
MOA01	0562	07/27/2006	Sulfate	220	QF	2300	FQ	230	QF	10	0
MOA01	0564	07/27/2006	Chloride	66	QF	140	QF	93	FQ	8	0
MOA01	0571	07/31/2006	Uranium	2.7		1.9		0.042		8	0
MOA01	0572	07/31/2006	Uranium	3		2.5	F	0.003	F	10	0
MOA01	0573	07/31/2006	Ammonia Total as N	560		1200	F	570		10	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: PAR, PARAGON (Fort Collins, CO)

LAB REQUISITION(S): 06070424

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/10/06 02:25:41: PM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT		HISTORICAL MAXIMUM		HISTORICAL MINIMUM		COUNT	
				RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	N	N BELOW DETECT
MOA01	0573	07/31/2006	Chloride	7400		27000	F	13000		10	0
MOA01	0573	07/31/2006	Total Dissolved Solids	25000	J	53000	F	29000		10	0
MOA01	0573	07/31/2006	Uranium	2.8		2.6	F	1.8		10	0
MOA01	0581	07/25/2006	Sulfate	9000		7900	F	730	F	17	0
MOA01	0581	07/25/2006	Total Dissolved Solids	18000		15000	F	1600	F	17	0
MOA01	0581	07/25/2006	Uranium	4.4		2.5	F	0.22	F	17	0
MOA01	0585	07/24/2006	Uranium	2.7		2.3	F	0.083	F	15	0
MOA01	0586	07/24/2006	Chloride	2500		1800	F	65	F	17	0
MOA01	0586	07/24/2006	Total Dissolved Solids	17000		14000	F	520	F	17	0
MOA01	0586	07/24/2006	Uranium	3.4		2.2	F	0.036	F	17	0
MOA01	0587	07/25/2006	Ammonia Total as N	13		530	F	19	F	17	0
MOA01	0587	07/25/2006	Uranium	2.7		2.2	F	0.24	F	17	0
MOA01	0598	07/25/2006	Ammonia Total as N	460	F	560	QF	520	F	5	0
MOA01	0598	07/25/2006	Chloride	1700	F	2500	F	2100	F	5	0
MOA01	0599	07/26/2006	Ammonia Total as N	460	QF	500	QF	480	QF	5	0
MOA01	0599	07/26/2006	Uranium	1.7	QF	3	QF	1.8	F	5	0
MOA01	0600	07/25/2006	Chloride	1800	F	3400	F	2200	F	7	0
MOA01	0600	07/25/2006	Sulfate	8800	F	11000	F	8900	F	7	0
MOA01	0605	07/26/2006	Ammonia Total as N	98	QF	640	QF	190	FQ	5	0
MOA01	0605	07/26/2006	Chloride	150	QF	2700	QF	180	QF	5	0
MOA01	0605	07/26/2006	Total Dissolved Solids	1500	QF	17000	QF	3400	FQ	5	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: PAR, PARAGON (Fort Collins, CO)

LAB REQUISITION(S): 06070424

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/10/06 02:25:41: PM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT		HISTORICAL MAXIMUM		HISTORICAL MINIMUM		COUNT	
				RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	N	N BELOW DETECT
MOA01	0615	07/27/2006	Chloride	76	QF	510	QF	94	QF	5	0
MOA01	0616	07/26/2006	Ammonia Total as N	54	QF	380	QF	92	QF	5	0
MOA01	0616	07/26/2006	Chloride	47	QF	1300	QF	160	QF	5	0
MOA01	0616	07/26/2006	Sulfate	170	QF	4200	QF	590	QF	5	0
MOA01	0616	07/26/2006	Total Dissolved Solids	430	QF	8200	QF	1200	FQ	5	0
MOA01	0616	07/26/2006	Uranium	0.1	QF	0.095	QF	0.01	FQ	5	0
MOA01	0617	07/27/2006	Chloride	2200	QF	4100	QF	2800	QF	5	0
MOA01	0617	07/27/2006	Sulfate	9500	QF	15000	QF	10000	QF	5	0
MOA01	0618	07/26/2006	Uranium	1.4	QF	1.1	QF	0.19	FQ	5	0
MOA01	0670	07/14/2006	Total Dissolved Solids	18000		16000		3900	F	11	0
MOA01	0670	07/14/2006	Uranium	3.1		3		0.42	F	11	0
MOA01	0671	07/14/2006	Total Dissolved Solids	22000		21000		11000	F	11	0
MOA01	0672	07/14/2006	Total Dissolved Solids	29000		28000		7400	F	12	0
MOA01	0673	07/14/2006	Total Dissolved Solids	33000		32000		10000	F	11	0
MOA01	0674	07/14/2006	Total Dissolved Solids	30000		28000		14000	F	13	0
MOA01	0676	07/14/2006	Uranium	2.6		4.6	F	2.7		12	0
MOA01	0677	07/14/2006	Chloride	5500		5300		2800	F	11	0
MOA01	0682	07/26/2006	Ammonia Total as N	380	F	500	F	390	F	7	0
MOA01	0682	07/26/2006	Sulfate	9400	F	9300	F	8600	F	7	0
MOA01	0682	07/26/2006	Total Dissolved Solids	19000	F	17000	F	15000	F	7	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: PAR, PARAGON (Fort Collins, CO)

LAB REQUISITION(S): 06070424

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/10/06 02:25:41: PM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT		HISTORICAL MAXIMUM		HISTORICAL MINIMUM		COUNT	
				RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	N	N BELOW DETECT
MOA01	0682	07/26/2006	Uranium	3.1	F	3	F	2.5	F	7	0
MOA01	0683	07/26/2006	Chloride	1900	F	2900	F	2100	F	7	0
MOA01	0683	07/26/2006	Chloride	1900	F	2900	F	2100	F	7	0
MOA01	0683	07/26/2006	Sulfate	8600	F	9900	F	9200	F	7	0
MOA01	0683	07/26/2006	Sulfate	9000	F	9900	F	9200	F	7	0
MOA01	0689	07/26/2006	Sulfate	5100	F	13000	F	5200	F	14	0
MOA01	0689	07/26/2006	Total Dissolved Solids	94000	F	88000	F	19000	F	14	0
MOA01	0689	07/26/2006	Uranium	0.34	F	4.9	F	0.35	N F	14	0
MOA01	0697	07/25/2006	Ammonia Total as N	110	F	400	QF	200	F	5	0
MOA01	0697	07/25/2006	Chloride	180	F	1600	QF	570	F	5	0
MOA01	0697	07/25/2006	Sulfate	860	F	6200	QF	2400	F	5	0
MOA01	0697	07/25/2006	Total Dissolved Solids	1800	F	11000	QF	4300	F	5	0
MOA01	0697	07/25/2006	Uranium	0.5	F	2.4	QF	0.69	F	5	0
MOA01	CR1	08/02/2006	Total Suspended Solids	3200		1010		40		5	0
MOA01	SMI-PW02	08/03/2006	Sulfate	7100		12947		7500		17	0
MOA01	SMI-PZ1M	07/31/2006	Sulfate	14000	F	17000	F	15676		10	0
MOA01	SMI-PZ1S	07/31/2006	Chloride	2800	F	1800	F	1200	F	10	0
MOA01	SMI-PZ1S	07/31/2006	Sulfate	9500	F	8200	F	6600	F	10	0
MOA01	SMI-PZ1S	07/31/2006	Total Dissolved Solids	20000	FJ	14000	F	11000	F	9	0
MOA01	SMI-PZ1S	07/31/2006	Uranium	4.5	F	1.8	F	1.33		10	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: MSP, MICROSEEPS LABORATORY (Pittsburgh, PA)

LAB REQUISITION(S): 06070426

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/16/06 09:56:09: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
				RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		N	N BELOW DETECT
MOA01	0403	07/19/2006	Carbon Dioxide	54	F		21	F		13	F		5	0
MOA01	0403	07/19/2006	Carbon Dioxide	50	F		21	F		13	F		5	0
MOA01	0403	07/19/2006	Iron (II)	2.1	F		1	J F		0.3	JM F		5	3
MOA01	0403	07/19/2006	Manganese (II)	4.4	F		1	J F		0.4	JM F		5	0
MOA01	0403	07/19/2006	Manganese (II)	5.7	F		1	J F		0.4	JM F		5	0
MOA01	0403	07/19/2006	Nitrogen, Total	17	F		26	F		19	F		5	0
MOA01	0403	07/19/2006	Nitrogen, Total	14	F		26	F		19	F		5	0
MOA01	0405	07/17/2006	Carbon Dioxide	88	F		170	F		130	F		6	0
MOA01	0405	07/17/2006	Manganese (II)	5	F		11	F		7.7	F		6	0
MOA01	0405	07/17/2006	Methane	3.5	F		2.6	F		0.7	U F		6	1
MOA01	0405	07/17/2006	Nitrogen, Total	15	F		21	F		17	F		6	0
MOA01	0407	07/19/2006	Iron (II)	0.3	J F		1	J F		1	J F		5	4
MOA01	0407	07/19/2006	Methane	100	F		88	F		10	F		5	1
MOA01	0483	07/18/2006	Methane	66			35	F		2.3	F		5	1
MOA01	0483	07/18/2006	Nitrogen, Total	17			31	F		19	F		5	0
MOA01	0488	07/17/2006	Manganese (II)	7.4	F		11	F		8.2	F		5	0
MOA01	0488	07/17/2006	Nitrogen, Total	14	F		34	F		15	F		5	0
MOA01	0495	07/18/2006	Carbon Dioxide	170	F		130	QF		91	QF		5	0
MOA01	0495	07/18/2006	Dissolved Oxygen	3.6	F		7.59	QF		4.11	QF		11	0
MOA01	0495	07/18/2006	Manganese (II)	1.2	F		9.9	M JQF		3.7	QF		5	0
MOA01	0495	07/18/2006	Methane	0.39	F		280	QF		1.1	QF		5	0
MOA01	0495	07/18/2006	Nitrogen, Total	13	F		29	FQ		18	FQ		5	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: MSP, MICROSEEPS LABORATORY (Pittsburgh, PA)

LAB REQUISITION(S): 06070426

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/16/06 09:56:09: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
				RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		N	N BELOW DETECT
MOA01	0559	07/18/2006	Carbon Dioxide	26	F		20	F		9.6	F		5	0
MOA01	0559	07/18/2006	Iron (II)	0.2	J F		1	J F		1	J F		5	4
MOA01	0559	07/18/2006	Manganese (II)	2.1	F		1.2	F		0.5	JM JF		5	1
MOA01	0559	07/18/2006	Methane	120	F		110	F		5	F		5	1
MOA01	0559	07/18/2006	Nitrogen, Total	15	F		31	F		17	F		5	0
MOA01	0588	07/19/2006	Carbon Dioxide	68	F		16	F		4.8	J F		5	0
MOA01	0588	07/19/2006	Manganese (II)	2.9	F		2	F		0.2	J F		5	0
MOA01	0588	07/19/2006	Methane	20	F		8.7	F		0.3	U F		5	1
MOA01	0588	07/19/2006	Nitrogen, Total	15	F		24	F		17	F		5	0
MOA01	0591	07/18/2006	Carbon Dioxide	6.7	F		4.5	J QF		1.4	J FQ		5	0
MOA01	0591	07/18/2006	Methane	200	F		10	QF		1.2	FQ		5	1
MOA01	0591	07/18/2006	Nitrogen, Total	15	F		29	FQ		21	F		5	0
MOA01	0602	07/19/2006	Carbon Dioxide	88	F		8.4	F		2.7	J F		6	0
MOA01	0602	07/19/2006	Manganese (II)	3.7	F		0.5	J F		0.2	F		6	0
MOA01	0602	07/19/2006	Nitrogen, Total	15	F		25	F		19	F		6	0
MOA01	0603	07/18/2006	Carbon Dioxide	1.3	J		1.2	FQ		0.78	J F		5	0
MOA01	0603	07/18/2006	Dissolved Oxygen	0.49	J		8.62	QF		2.9	F		10	0
MOA01	0603	07/18/2006	Iron (II)	32			1.2	QF		0.3	J QF		5	2
MOA01	0603	07/18/2006	Manganese (II)	10			5.4	QF		0.5	J FQ		5	1
MOA01	0603	07/18/2006	Methane	470			4.3	FQ		1	QF		5	1
MOA01	0604	07/18/2006	Dissolved Oxygen	2.8	F		7.25	QF		3.22	QF		10	0
MOA01	0604	07/18/2006	Methane	10	F		3.4	QF		1.2	UM FQ		5	1

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: MSP, MICROSEEPS LABORATORY (Pittsburgh, PA)

LAB REQUISITION(S): 06070426

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/16/06 09:56:09: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT		HISTORICAL MAXIMUM		HISTORICAL MINIMUM		COUNT	
				RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	N	N BELOW DETECT
MOA01	0606	07/18/2006	Dissolved Oxygen	3.2	F	7.3	FQ	5.6	FQ	6	0
MOA01	0686	07/17/2006	Carbon Dioxide	62	F	180	F	71	F	7	0
MOA01	0686	07/17/2006	Manganese (II)	1.8	F	12	M FJ	2.8	F	7	0
MOA01	0695	07/18/2006	Dissolved Oxygen	2.9	F	9.1	FQ	3.61	QF	6	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)

LAB REQUISITION(S): 06070425

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/16/06 09:39:03: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
				RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		N	N BELOW DETECT
MOA01	0686	07/17/2006	Bromide	0.05	U	F	128	U	F	0.88		F	8	4
MOA01	0686	07/17/2006	Chemical Oxygen Demand	34		FJ	759		F	234		FJ	7	0
MOA01	0686	07/17/2006	Chloride	310	J	FJ	4060		F	1060	J	F	9	0
MOA01	0686	07/17/2006	Nitrate + Nitrite as Nitrogen	37.1		F	529		F	73.4		F	7	0
MOA01	0686	07/17/2006	Sulfate	2400		F	11000		F	3900		F	9	0
MOA01	0686	07/17/2006	Total Dissolved Solids	5260		FJ	25800		F	6660		F	9	0
MOA01	0686	07/17/2006	Uranium	1.29		F	5.2	E	FJ	1.72		F	9	0
MOA01	0687	07/19/2006	Chloride	3210		FJ	3050		F	2010	J	F	7	0
MOA01	0687	07/19/2006	Selenium	0.1	U	F	0.0185		F	0.01		F	5	0
MOA01	0691	07/18/2006	Chloride	1520	J	F	2960		QF	2070	J	QF	5	0
MOA01	0691	07/18/2006	Sulfate	4090		F	9330		QF	5260		QF	5	0
MOA01	0691	07/18/2006	Total Dissolved Solids	9370		F	67100		QF	12200		QF	5	0
MOA01	0692	07/18/2006	Sulfate	6250		F	9580		QF	7040		QF	5	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)

LAB REQUISITION(S): 06070425

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/16/06 09:39:03: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
				RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		N	N BELOW DETECT
MOA01	0403	07/19/2006	Ammonia Total as N	1010		F	930			31		F	31	0
MOA01	0403	07/19/2006	Manganese	4.2	N	F	0.924		F	0.409		F	5	0
MOA01	0403	07/19/2006	Manganese	4.03	N	F	0.924		F	0.409		F	5	0
MOA01	0403	07/19/2006	Nitrate + Nitrite as Nitrogen	95.4		F	17.4		F	0.656		F	5	0
MOA01	0403	07/19/2006	Nitrate + Nitrite as Nitrogen	95.7		F	17.4		F	0.656		F	5	0
MOA01	0403	07/19/2006	Phosphorus	0.0101	U	F	0.127		JF	0.0367	B	F	5	0
MOA01	0403	07/19/2006	Phosphorus	0.0151	B	F	0.127		JF	0.0367	B	F	5	0
MOA01	0403	07/19/2006	Selenium	0.02	U	F	0.0058		F	0.0023	B	F	5	1
MOA01	0403	07/19/2006	Selenium	0.02	U	F	0.0058		F	0.0023	B	F	5	1
MOA01	0403	07/19/2006	Total Inorganic Carbon	96		F	83.2		F	17.3		F	5	0
MOA01	0403	07/19/2006	Total Inorganic Carbon	0.22	U	F	83.2		F	17.3		F	5	0
MOA01	0405	07/17/2006	Ammonia Total as N	303		F	560			330		F	18	0
MOA01	0405	07/17/2006	Manganese	5.2	N	F	7.35		F	5.92		F	7	0
MOA01	0405	07/17/2006	Nitrate + Nitrite as Nitrogen	40.8		F	167		F	87.5		F	7	0
MOA01	0405	07/17/2006	Phosphorus	0.0101	U	F	0.433		F	0.137		F	7	0
MOA01	0405	07/17/2006	Selenium	0.1	U	F	0.0442		F	0.0184	B	F	7	0
MOA01	0405	07/17/2006	Sulfate	6920		F	11529.3			7000		F	18	0
MOA01	0405	07/17/2006	Total Kjeldahl Nitrogen	293		FJ	693		F	309		F	7	0
MOA01	0407	07/19/2006	Chemical Oxygen Demand	9.2	U	F	46		FJ	11	B	JF	5	0
MOA01	0407	07/19/2006	Iron	0.567		F	0.31		F	0.025	U	F	10	4
MOA01	0407	07/19/2006	Sulfate	231		F	12601.1			380		F	33	0
MOA01	0407	07/19/2006	Total Inorganic Carbon	72.8		F	56.7		FJ	15.3		F	5	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)

LAB REQUISITION(S): 06070425

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/16/06 09:39:03: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
				RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		N	N BELOW DETECT
MOA01	0483	07/18/2006	Bromide	0.32		FJ	5.1	U	F	0.38		FJ	6	2
MOA01	0483	07/18/2006	Chemical Oxygen Demand	100		FJ	770		JF	104		FJ	5	0
MOA01	0483	07/18/2006	Selenium	0.02	U	F	0.01	U	F	0.0022	B	F	5	1
MOA01	0483	07/18/2006	Total Inorganic Carbon	0.22	U	F	146		F	28.6		F	5	0
MOA01	0488	07/17/2006	Chemical Oxygen Demand	514		FJ	509		F	50		JF	7	0
MOA01	0488	07/17/2006	Manganese	7.59	N	F	7.11		F	5.22		F	7	0
MOA01	0488	07/17/2006	Selenium	0.1	U	F	0.0202		UF	0.0103	B	F	7	1
MOA01	0495	07/18/2006	Ammonia Total as N	16.5		F	430		F	67		FQ	8	0
MOA01	0559	07/18/2006	Bromide	0.05	U	F	5.1	U	F	0.093	B	FJ	6	2
MOA01	0559	07/18/2006	Iron	0.109		F	0.08			0.0074	U	F	10	6
MOA01	0559	07/18/2006	Manganese	2.43	N	F	0.978		F	0.324		F	5	0
MOA01	0559	07/18/2006	Nitrate + Nitrite as Nitrogen	35.2		F	13		F	0.0805		F	5	0
MOA01	0559	07/18/2006	Selenium	0.025	U	F	0.005	U	F	0.0011	B	F	5	2
MOA01	0563	07/19/2006	Chloride	48.7	J	F	2000		QF	68		FQ	12	0
MOA01	0563	07/19/2006	Sulfate	140		F	4700		QF	160		FQ	12	0
MOA01	0565	07/19/2006	Chloride	55.1	J	FJ	400		FQ	77		FQ	10	0
MOA01	0565	07/19/2006	Sulfate	192		F	670		FQ	260		FQ	10	0
MOA01	0588	07/19/2006	Chemical Oxygen Demand	176		FJ	174		F	13	B	F	6	0
MOA01	0588	07/19/2006	Manganese	4.33	N	F	2.03		F	0.255		F	6	0
MOA01	0588	07/19/2006	Nitrate + Nitrite as Nitrogen	116		F	5.94		F	1.19		F	5	0
MOA01	0588	07/19/2006	Selenium	0.025	U	F	0.0102		F	0.0042	B	F	6	1

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)

LAB REQUISITION(S): 06070425

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/16/06 09:39:03: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
				RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		N	N BELOW DETECT
MOA01	0589	07/20/2006	Chloride	42800		FJ	42000		F	2700		F	32	0
MOA01	0589	07/20/2006	Chloride	43400		F	42000		F	2700		F	32	0
MOA01	0589	07/20/2006	Nitrate + Nitrite as Nitrogen	39.1		F	30.4		F	16		F	9	0
MOA01	0589	07/20/2006	Nitrate + Nitrite as Nitrogen	37.8		F	30.4		F	16		F	9	0
MOA01	0591	07/18/2006	Iron	0.0981	B	F	0.04		QF	0.0111	B	UQF	8	5
MOA01	0591	07/18/2006	Nitrate + Nitrite as Nitrogen	27.8		F	5.16		JFQ	0.374		QF	5	0
MOA01	0597	07/18/2006	Bromide	0.5		FJ	25.7	U	FQ	0.57		QF	6	3
MOA01	0597	07/18/2006	Iron	0.031	B	F	4		F	0.26		QF	9	0
MOA01	0597	07/18/2006	Nitrate + Nitrite as Nitrogen	80.2		F	185		QF	88		FQ	5	0
MOA01	0602	07/19/2006	Chemical Oxygen Demand	141		FJ	101		F	9.2	U	F	7	1
MOA01	0602	07/19/2006	Chloride	1780		FJ	300		F	94.9	J	F	8	0
MOA01	0602	07/19/2006	Manganese	4.11	N	F	1.41		F	0.107		F	7	0
MOA01	0602	07/19/2006	Nitrate + Nitrite as Nitrogen	144		F	4.91		F	0.0031	U	F	7	1
MOA01	0602	07/19/2006	Selenium	0.1	U	F	0.0104		F	0.001	U	F	7	1
MOA01	0602	07/19/2006	Sulfate	4960		F	2000		F	354		F	8	0
MOA01	0602	07/19/2006	Total Dissolved Solids	10800		F	3900		F	767		F	8	0
MOA01	0602	07/19/2006	Uranium	2.33		F	0.79		F	0.156	E	F	8	0
MOA01	0603	07/18/2006	Ammonia Total as N	169		F	404		QF	189		QF	5	0
MOA01	0603	07/18/2006	Chloride	340	J	F	1580		QF	344		QF	5	0
MOA01	0603	07/18/2006	Iron	0.0742	B	F	0.03	U	F	0.0074	U	QF	9	6
MOA01	0603	07/18/2006	Sulfate	1770		F	3570		QF	2470		QF	5	0
MOA01	0603	07/18/2006	Total Dissolved Solids	2970		F	45600		QF	4230	J	FQ	5	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)

LAB REQUISITION(S): 06070425

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 10/16/06 09:39:03: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT		HISTORICAL MAXIMUM		HISTORICAL MINIMUM		COUNT	
				RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	N	N BELOW DETECT

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- * Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- | | | |
|--|--|--|
| J Estimated value. | F Low flow sampling method used. | G Possible grout contamination, pH > 9. |
| L Less than 3 bore volumes purged prior to sampling. | R Unusable result. | X Location is undefined. |
| U Parameter analyzed for but was not detected. | Q Qualitative result due to sampling technique | N Presumptive evidence that analyte is present. The analyte is "tentatively identified". |

Anomalous Data Review Checksheet

Anomalous Data Review Checksheet

Site: Moab Processing Site Sampling Date: July 14–August 3, 2006

Reviewer: Jeff Price
 Name Signature Date

Site Lead: John R. Ford
 Name Signature Date

Loc. No.	Analyte	Type of Anomaly	Disposition
<u>0480</u>	<u>Ammonia Total as N</u>	<u>Low</u>	<u></u>
<u>0497</u>	<u>Ammonia Total as N</u>	<u>Low</u>	<u></u>
<u>0581</u>	<u>Uranium</u>	<u>High</u>	<u></u>
<u>0605</u>	<u>Ammonia Total as N</u>	<u>Low</u>	<u></u>
<u>0605</u>	<u>TDS</u>	<u>Low</u>	<u></u>
<u>0616</u>	<u>Chloride</u>	<u>Low</u>	<u></u>
<u>0616</u>	<u>Sulfate</u>	<u>Low</u>	<u></u>
<u>0616</u>	<u>TDS</u>	<u>Low</u>	<u></u>
<u>0697</u>	<u>Chloride</u>	<u>Low</u>	<u></u>
<u>0697</u>	<u>Sulfate</u>	<u>Low</u>	<u></u>
<u>0697</u>	<u>TDS</u>	<u>Low</u>	<u></u>
<u>CR-1</u>	<u>TSS</u>	<u>High</u>	<u></u>
<u>SM1-PZ1S</u>	<u>Uranium</u>	<u>High</u>	<u></u>
<u>0403</u>	<u>Carbon Dioxide</u>	<u>High</u>	<u></u>
<u>0403</u>	<u>Iron II</u>	<u>High</u>	<u></u>
<u>0403</u>	<u>Manganese II</u>	<u>High</u>	<u></u>
<u>0407</u>	<u>Iron II</u>	<u>Low</u>	<u></u>
<u>0483</u>	<u>Methane</u>	<u>High</u>	<u></u>
<u>0495</u>	<u>Manganese II</u>	<u>Low</u>	<u></u>
<u>0559</u>	<u>Iron II</u>	<u>Low</u>	<u></u>
<u>0559</u>	<u>Manganese II</u>	<u>Low</u>	<u></u>
<u>0588</u>	<u>Carbon Dioxide</u>	<u>High</u>	<u></u>
<u>0588</u>	<u>Methane</u>	<u>High</u>	<u></u>

Data Review Checksheet (Continued)

Loc. No.	Analyte	Type of Anomaly	Disposition
0591	Methane	High	
0602	Carbon Dioxide	High	
0602	Manganese II	High	
0603	Dissolved Oxygen	Low	
0603	Iron II	High	
0603	Manganese II	High	
0603	Methane	High	
0604	Methane	High	
0686	Chemical Oxygen Demand	Low	
0686	Chloride	Low	
0686	Nitrate+Nitrite as N	Low	
0687	Selenium	High	
0403	Manganese	High	
0403	Nitrate+Nitrite as N	High	
0403	Phosphorous	Low	
0403	Selenium	High	
0405	Nitrate+Nitrite as N	Low	
0405	Phosphorous	Low	
0405	Selenium	High	
0483	Total Inorganic Carbon	Low	
0488	Selenium	High	
0495	Ammonia Total as N	Low	
0559	Manganese	High	
0559	Nitrate+Nitrite as N	High	
0559	Selenium	High	
0588	Manganese	High	
0588	Nitrate+Nitrite as N	High	
0588	Selenium	High	

End of current text

Water Quality Data

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity, Total (As CaCO3	mg/L	0216	SL, RIV	07/27/2006	0001	0.00 - 0.00	180		#	-
	mg/L	0239	SL, RIV	07/27/2006	0001	0.00 - 0.00	186		#	-
	mg/L	0240	SL, RIV	07/27/2006	0001	0.00 - 0.00	240		#	-
	mg/L	0243	SL	07/27/2006	0001	0.00 - 0.00	170		#	-
	mg/L	0245	SL, RIV	07/27/2006	0001	0.00 - 0.00	180		#	-
	mg/L	0259	SL, RIV	07/27/2006	0001	0.00 - 0.00	206		#	-
	mg/L	0401	WL	08/02/2006	0001	18.00 - 18.00	688	F	#	-
	mg/L	0402	WL	08/02/2006	0001	17.00 - 17.00	760	F	#	-
	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	400	F	#	-
	mg/L	0404	WL	08/02/2006	0001	18.00 - 18.00	976	F	#	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	680	F	#	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	300	F	#	-
	mg/L	0408	WL	08/02/2006	0001	26.00 - 26.00	920	F	#	-
	mg/L	0470	WL, EXT	07/14/2006	0001	18.00 - 18.00	696		#	-
	mg/L	0471	WL, EXT	07/14/2006	0001	18.00 - 18.00	622		#	-
	mg/L	0472	WL, EXT	07/14/2006	0001	18.00 - 18.00	606		#	-
	mg/L	0473	WL, EXT	07/14/2006	0001	18.00 - 18.00	530		#	-
	mg/L	0474	WL, EXT	07/14/2006	0001	18.00 - 18.00	470		#	-
	mg/L	0475	WL, EXT	07/14/2006	0001	18.00 - 18.00	460		#	-
	mg/L	0476	WL, EXT	07/14/2006	0001	18.00 - 18.00	420		#	-
	mg/L	0477	WL, EXT	07/14/2006	0001	18.00 - 18.00	518		#	-
	mg/L	0478	WL, EXT	07/14/2006	0001	23.00 - 23.00	694		#	-
	mg/L	0479	WL, EXT	07/14/2006	0001	23.00 - 23.00	900		#	-
	mg/L	0480	WL	08/01/2006	0001	18.00 - 18.00	650	F	#	-
	mg/L	0481	WL	08/01/2006	0001	28.00 - 28.00	800	F	#	-
	mg/L	0482	WL	08/01/2006	0001	58.00 - 58.00	280	F	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Alkalinity, Total (As CaCO3)	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	250	F	#	-	-	
	mg/L	0484	WL	08/01/2006	0001	28.00 - 28.00	908	F	#	-	-	
	mg/L	0485	WL	08/01/2006	0001	58.00 - 58.00	288	F	#	-	-	
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	836	F	#	-	-	
	mg/L	0488	WL	07/26/2006	0001	39.00 - 39.00	976	F	#	-	-	
	mg/L	0493	WL	07/31/2006	0001	54.00 - 54.00	1076	F	#	-	-	
	mg/L	0547	TS, INFL	08/03/2006	0001	0.00 - 0.00	714		#	-	-	
	mg/L	0548	TS, EPND	08/03/2006	0001	0.00 - 0.00	460		#	-	-	
	mg/L	0557	WL	07/31/2006	0001	40.00 - 40.00	812	F	#	-	-	
	mg/L	0558	WL	08/01/2006	0001	36.00 - 36.00	672	F	#	-	-	
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	340	F	#	-	-	
	mg/L	0560	WL	08/01/2006	0001	31.00 - 31.00	600	F	#	-	-	
	mg/L	0570	WL, I&E	07/31/2006	0001	27.00 - 27.00	568		#	-	-	
	mg/L	0571	WL, I&E	07/31/2006	0001	37.00 - 37.00	802		#	-	-	
	mg/L	0572	WL, I&E	07/31/2006	0001	27.00 - 27.00	478		#	-	-	
	mg/L	0573	WL, I&E	07/31/2006	0001	37.00 - 37.00	574		#	-	-	
	mg/L	0575	WL, I&E	07/31/2006	0001	37.00 - 37.00	600		#	-	-	
	mg/L	0576	WL, I&E	07/31/2006	0001	27.00 - 27.00	748		#	-	-	
	mg/L	0577	WL, I&E	07/31/2006	0001	37.00 - 37.00	850		#	-	-	
	mg/L	0579	WL, I&E	07/31/2006	0001	37.00 - 37.00	230		#	-	-	
	mg/L	0580	WL	07/26/2006	0001	18.00 - 18.00	306		#	-	-	
	mg/L	0581	WL	07/25/2006	0001	18.00 - 18.00	776		#	-	-	
	mg/L	0582	WL	07/26/2006	0001	18.00 - 18.00	410		#	-	-	
	mg/L	0583	WL	07/25/2006	0001	18.00 - 18.00	444		#	-	-	
	mg/L	0584	WL	07/24/2006	0001	18.00 - 18.00	600		#	-	-	
	mg/L	0585	WL	07/24/2006	0001	18.00 - 18.00	628		#	-	-	

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity, Total (As CaCO3	mg/L	0586	WL	07/24/2006	0001	18.00 - 18.00	820		#	-
	mg/L	0587	WL	07/25/2006	0001	18.00 - 18.00	778		#	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	468	F	#	-
	mg/L	0588	WL	07/24/2006	0001	34.00 - 34.00	580		#	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	460	F	#	-
	mg/L	0589	WL	07/25/2006	0001	52.00 - 52.00	360		#	-
	mg/L	0596	WL	08/01/2006	0001	24.00 - 24.00	504	F	#	-
	mg/L	0600	WL	07/25/2006	0001	27.00 - 27.00	822	F	#	-
	mg/L	0601	WL	07/24/2006	0001	27.00 - 27.00	776	F	#	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	640	F	#	-
	mg/L	0670	WL, EXT	07/14/2006	0001	40.00 - 40.00	856		#	-
	mg/L	0671	WL, EXT	07/14/2006	0001	40.00 - 40.00	764		#	-
	mg/L	0672	WL, EXT	07/14/2006	0001	40.00 - 40.00	712		#	-
	mg/L	0673	WL, EXT	07/14/2006	0001	40.00 - 40.00	792		#	-
	mg/L	0674	WL, EXT	07/14/2006	0001	40.00 - 40.00	826		#	-
	mg/L	0675	WL, EXT	07/14/2006	0001	40.00 - 40.00	880		#	-
	mg/L	0676	WL, EXT	07/14/2006	0001	40.00 - 40.00	808		#	-
	mg/L	0677	WL, EXT	07/14/2006	0001	40.00 - 40.00	880		#	-
	mg/L	0678	WL, EXT	07/14/2006	0001	40.00 - 40.00	816		#	-
	mg/L	0679	WL, EXT	07/14/2006	0001	40.00 - 40.00	876		#	-
	mg/L	0682	WL	07/26/2006	0001	28.00 - 28.00	830	F	#	-
	mg/L	0683	WL	07/26/2006	0001	27.00 - 27.00	860	F	#	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	363	F	#	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	864	F	#	-
	mg/L	0688	WL	07/26/2006	0001	31.00 - 31.00	970	F	#	-
	mg/L	0688	WL	07/26/2006	0002	39.00 - 39.00	926	F	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity, Total (As CaCO3	mg/L	0689	WL	07/26/2006	0001	54.00 - 54.00	240	F #	-	-
	mg/L	0689	WL	07/26/2006	0002	46.00 - 46.00	206	F #	-	-
	mg/L	CR1	SL, RIV	08/02/2006	0001	0.00 - 0.00	125	#	-	-
	mg/L	CR5	SL, RIV	08/02/2006	0001	0.00 - 0.00	108	#	-	-
	mg/L	SMI-PW01	WL	07/31/2006	0001	40.00 - 40.00	676	F #	-	-
	mg/L	SMI-PW02	WL	08/03/2006	0002	55.00 - 55.00	680	#	-	-
	mg/L	SMI-PZ1D2	WL	07/31/2006	0001	73.00 - 73.00	488	F #	-	-
	mg/L	SMI-PZ1M	WL	07/31/2006	0001	57.00 - 57.00	800	F #	-	-
	mg/L	SMI-PZ1S	WL	07/31/2006	0001	18.00 - 18.00	616	F #	-	-
Ammonia Total as N	mg/L	0216	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.15	#	0.1	-
	mg/L	0239	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.1	U #	0.1	-
	mg/L	0240	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.37	#	0.1	-
	mg/L	0243	SL	07/27/2006	0001	0.00 - 0.00	0.1	U #	0.1	-
	mg/L	0245	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.1	U #	0.1	-
	mg/L	0259	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.1	U #	0.1	-
	mg/L	0259	SL, RIV	07/27/2006	0002	0.00 - 0.00	0.1	U #	0.1	-
	mg/L	0401	WL	08/02/2006	0001	18.00 - 18.00	160	F #	50	-
	mg/L	0402	WL	08/02/2006	0001	17.00 - 17.00	48	F #	2	-
	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	91.200	F #	0.549	-
	mg/L	0404	WL	08/02/2006	0001	18.00 - 18.00	350	F #	50	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	303.000	F #	2.19	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	27.000	F #	0.219	-
	mg/L	0408	WL	08/02/2006	0001	26.00 - 26.00	360	F #	50	-
	mg/L	0470	WL, EXT	07/14/2006	0001	18.00 - 18.00	420	#	50	-
	mg/L	0470	WL, EXT	07/14/2006	0002	18.00 - 18.00	420	#	50	-
	mg/L	0471	WL, EXT	07/14/2006	0001	18.00 - 18.00	590	#	50	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Ammonia Total as N	mg/L	0472	WL, EXT	07/14/2006	0001	18.00 - 18.00	360		# 50	-
	mg/L	0473	WL, EXT	07/14/2006	0001	18.00 - 18.00	180		# 50	-
	mg/L	0474	WL, EXT	07/14/2006	0001	18.00 - 18.00	180		# 50	-
	mg/L	0475	WL, EXT	07/14/2006	0001	18.00 - 18.00	200		# 50	-
	mg/L	0476	WL, EXT	07/14/2006	0001	18.00 - 18.00	110		# 10	-
	mg/L	0477	WL, EXT	07/14/2006	0001	18.00 - 18.00	120		# 10	-
	mg/L	0478	WL, EXT	07/14/2006	0001	23.00 - 23.00	280		# 50	-
	mg/L	0479	WL, EXT	07/14/2006	0001	23.00 - 23.00	240		# 50	-
	mg/L	0480	WL	08/01/2006	0001	18.00 - 18.00	270	F	# 50	-
	mg/L	0481	WL	08/01/2006	0001	28.00 - 28.00	740	F	# 50	-
	mg/L	0482	WL	08/01/2006	0001	58.00 - 58.00	520	F	# 50	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	186.000	F	# 2.19	-
	mg/L	0484	WL	08/01/2006	0001	28.00 - 28.00	1000	N FJ	# 50	-
	mg/L	0485	WL	08/01/2006	0001	58.00 - 58.00	450	F	# 50	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	782.000	F	# 5.49	-
	mg/L	0488	WL	07/26/2006	0001	39.00 - 39.00	800	F	# 50	-
	mg/L	0493	WL	07/31/2006	0001	54.00 - 54.00	1100	F	# 50	-
	mg/L	0493	WL	07/31/2006	0002	54.00 - 54.00	1000	F	# 50	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	16.500	F	# 0.11	-
	mg/L	0497	WL, PZ	07/25/2006	0001	4.80 - 4.80	180	QF	# 50	-
	mg/L	0547	TS, INFL	08/03/2006	0001	0.00 - 0.00	600		# 50	-
	mg/L	0548	TS, EPND	08/03/2006	0001	0.00 - 0.00	460		# 50	-
	mg/L	0557	WL	07/31/2006	0001	40.00 - 40.00	940	F	# 50	-
	mg/L	0558	WL	08/01/2006	0001	36.00 - 36.00	1700	F	# 50	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	84.300	F	# 0.878	-
	mg/L	0560	WL	08/01/2006	0001	31.00 - 31.00	1500	F	# 50	-

GENERAL WATER QUALITY DATA BY PARAMETER (USee205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Ammonia Total as N	mg/L	0561	WL	08/01/2006	0001	50.00 - 50.00	920	F	#	50	-
	mg/L	0562	WL, PZ	07/27/2006	0001	1.80 - 1.80	3.7	QF	#	0.1	-
	mg/L	0563	WL, PZ	07/19/2006	0001	5.10 - 5.10	10.600	F	#	0.11	-
	mg/L	0564	WL, PZ	07/27/2006	0001	1.70 - 1.70	0.87	QF	#	0.1	-
	mg/L	0570	WL, I&E	07/31/2006	0001	27.00 - 27.00	440		#	50	-
	mg/L	0571	WL, I&E	07/31/2006	0001	37.00 - 37.00	540		#	50	-
	mg/L	0572	WL, I&E	07/31/2006	0001	27.00 - 27.00	410		#	50	-
	mg/L	0573	WL, I&E	07/31/2006	0001	37.00 - 37.00	560		#	50	-
	mg/L	0575	WL, I&E	07/31/2006	0001	37.00 - 37.00	640		#	50	-
	mg/L	0576	WL, I&E	07/31/2006	0001	27.00 - 27.00	560		#	50	-
	mg/L	0577	WL, I&E	07/31/2006	0001	37.00 - 37.00	550		#	50	-
	mg/L	0577	WL, I&E	07/31/2006	0002	37.00 - 37.00	620		#	50	-
	mg/L	0579	WL, I&E	07/31/2006	0001	37.00 - 37.00	30		#	1	-
	mg/L	0580	WL	07/26/2006	0001	18.00 - 18.00	18		#	0.5	-
	mg/L	0581	WL	07/25/2006	0001	18.00 - 18.00	73		#	5	-
	mg/L	0582	WL	07/26/2006	0001	18.00 - 18.00	79		#	5	-
	mg/L	0583	WL	07/25/2006	0001	18.00 - 18.00	100		#	5	-
	mg/L	0583	WL	07/25/2006	0002	18.00 - 18.00	110		#	20	-
	mg/L	0584	WL	07/24/2006	0001	18.00 - 18.00	110		#	5	-
	mg/L	0585	WL	07/24/2006	0001	18.00 - 18.00	170		#	50	-
	mg/L	0586	WL	07/24/2006	0001	18.00 - 18.00	200		#	50	-
	mg/L	0587	WL	07/25/2006	0001	18.00 - 18.00	13		#	0.5	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	83.400	F	#	0.549	-
	mg/L	0588	WL	07/24/2006	0001	34.00 - 34.00	250		#	50	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	1030.000	F	#	8.78	-
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	1060.000	F	#	11	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Ammonia Total as N	mg/L	0589	WL	07/25/2006	0001	52.00 - 52.00	900	N J #	50	-
	mg/L	0591	WL, PZ	07/18/2006	0001	4.40 - 4.40	209.000	F #	4.39	-
	mg/L	0596	WL	08/01/2006	0001	24.00 - 24.00	210	F #	50	-
	mg/L	0596	WL	08/01/2006	0002	24.00 - 24.00	230	F #	50	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	396.000	F #	4.39	-
	mg/L	0598	WL, PZ	07/25/2006	0001	9.60 - 9.60	460	F #	50	-
	mg/L	0599	WL, PZ	07/26/2006	0001	9.90 - 9.90	460	QF #	50	-
	mg/L	0600	WL	07/25/2006	0001	27.00 - 27.00	440	F #	50	-
	mg/L	0601	WL	07/24/2006	0001	27.00 - 27.00	440	F #	50	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	39.200	F #	0.549	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	169.000	F #	2.19	-
	mg/L	0604	WL, PZ	07/18/2006	0001	7.80 - 7.80	404.000	F #	4.39	-
	mg/L	0605	WL, PZ	07/26/2006	0001	9.90 - 9.90	98	QF #	5	-
	mg/L	0606	WL, PZ	07/18/2006	0001	9.80 - 9.80	181.000	F #	2.19	-
	mg/L	0608	WL, PZ	07/27/2006	0001	9.40 - 9.40	4.8	QF #	0.1	-
	mg/L	0611	WL, PZ	07/27/2006	0001	2.70 - 2.70	2.7	QF #	0.1	-
	mg/L	0612	WL, PZ	07/26/2006	0001	4.80 - 4.80	2.2	QF #	0.1	-
	mg/L	0616	WL, PZ	07/26/2006	0001	5.80 - 5.80	54	QF #	2	-
	mg/L	0617	WL, PZ	07/27/2006	0001	2.20 - 2.20	150	QF #	5	-
	mg/L	0618	WL, PZ	07/26/2006	0001	5.80 - 5.80	420	QF #	50	-
	mg/L	0670	WL, EXT	07/14/2006	0001	40.00 - 40.00	410	#	50	-
	mg/L	0671	WL, EXT	07/14/2006	0001	40.00 - 40.00	480	#	50	-
	mg/L	0672	WL, EXT	07/14/2006	0001	40.00 - 40.00	610	#	50	-
	mg/L	0673	WL, EXT	07/14/2006	0001	40.00 - 40.00	690	#	50	-
	mg/L	0674	WL, EXT	07/14/2006	0001	40.00 - 40.00	610	#	50	-
	mg/L	0675	WL, EXT	07/14/2006	0001	40.00 - 40.00	500	#	50	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Ammonia Total as N	mg/L	0676	WL, EXT	07/14/2006	0001	40.00 - 40.00	450		# 50	-
	mg/L	0677	WL, EXT	07/14/2006	0001	40.00 - 40.00	680		# 50	-
	mg/L	0678	WL, EXT	07/14/2006	0001	40.00 - 40.00	530		# 50	-
	mg/L	0679	WL, EXT	07/14/2006	0001	40.00 - 40.00	600		# 50	-
	mg/L	0682	WL	07/26/2006	0001	28.00 - 28.00	380	F	# 50	-
	mg/L	0683	WL	07/26/2006	0001	27.00 - 27.00	380	F	# 50	-
	mg/L	0683	WL	07/26/2006	0002	27.00 - 27.00	390	F	# 50	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	11.000	F	# 0.549	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	387.000	F	# 4.39	-
	mg/L	0688	WL	07/26/2006	0001	30.60 - 40.60	940	F	# 50	-
	mg/L	0689	WL	07/26/2006	0001	46.00 - 56.00	220	F	# 50	-
	mg/L	0691	WL, PZ	07/26/2006	0001	4.90 - 4.90	130	F	# 20	-
	mg/L	0692	WL, PZ	07/26/2006	0001	9.60 - 9.60	400	F	# 50	-
	mg/L	0693	WL, PZ	07/27/2006	0001	2.00 - 2.00	63	QF	# 2	-
	mg/L	0694	WL, PZ	07/18/2006	0001	4.30 - 4.30	112.000	F	# 1.1	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	434.000	F	# 4.39	-
	mg/L	0696	WL, PZ	07/27/2006	0001	1.80 - 1.80	27	QF	# 1	-
	mg/L	0697	WL, PZ	07/25/2006	0001	4.80 - 4.80	110	F	# 5	-
	mg/L	0698	WL, PZ	07/25/2006	0001	9.80 - 9.80	250	QF	# 50	-
	mg/L	SMI-PW01	WL	07/31/2006	0001	40.00 - 40.00	450	F	# 50	-
mg/L	SMI-PW02	WL	08/03/2006	0001	20.04 - 60.04	820		# 50	-	
mg/L	SMI-PZ1D2	WL	07/31/2006	0001	73.00 - 73.00	1900	F	# 50	-	
mg/L	SMI-PZ1M	WL	07/31/2006	0001	57.00 - 57.00	980	F	# 50	-	
mg/L	SMI-PZ1S	WL	07/31/2006	0001	18.00 - 18.00	450	F	# 50	-	
Bromide	mg/L	0216	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.2	U	# 0.2	-
	mg/L	0239	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.2	U	# 0.2	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Bromide	mg/L	0240	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.4	U #	0.4	-
	mg/L	0243	SL	07/27/2006	0001	0.00 - 0.00	0.2	U #	0.2	-
	mg/L	0245	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.2	U #	0.2	-
	mg/L	0259	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.2	U #	0.2	-
	mg/L	0259	SL, RIV	07/27/2006	0002	0.00 - 0.00	0.2	U #	0.2	-
	mg/L	0401	WL	08/02/2006	0001	18.00 - 18.00	4	U F #	4	-
	mg/L	0402	WL	08/02/2006	0001	17.00 - 17.00	4	U F #	4	-
	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	1.1	FJ #	0.05	-
	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	0.28	FJ #	0.05	-
	mg/L	0404	WL	08/02/2006	0001	18.00 - 18.00	4	U F #	4	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	1.2	FJ #	0.05	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	0.050	U F #	0.05	-
	mg/L	0408	WL	08/02/2006	0001	26.00 - 26.00	4	U F #	4	-
	mg/L	0470	WL, EXT	07/14/2006	0001	18.00 - 18.00	4	U #	4	-
	mg/L	0470	WL, EXT	07/14/2006	0002	18.00 - 18.00	4	U #	4	-
	mg/L	0471	WL, EXT	07/14/2006	0001	18.00 - 18.00	4	U #	4	-
	mg/L	0472	WL, EXT	07/14/2006	0001	18.00 - 18.00	4	U #	4	-
	mg/L	0473	WL, EXT	07/14/2006	0001	18.00 - 18.00	2	U #	2	-
	mg/L	0474	WL, EXT	07/14/2006	0001	18.00 - 18.00	2	U #	2	-
	mg/L	0475	WL, EXT	07/14/2006	0001	18.00 - 18.00	2	U #	2	-
	mg/L	0476	WL, EXT	07/14/2006	0001	18.00 - 18.00	2	U #	2	-
	mg/L	0477	WL, EXT	07/14/2006	0001	18.00 - 18.00	2	U #	2	-
	mg/L	0478	WL, EXT	07/14/2006	0001	23.00 - 23.00	4	U #	4	-
	mg/L	0479	WL, EXT	07/14/2006	0001	23.00 - 23.00	4	U #	4	-
	mg/L	0480	WL	08/01/2006	0001	18.00 - 18.00	4	U F #	4	-
	mg/L	0481	WL	08/01/2006	0001	28.00 - 28.00	20	U F #	20	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE, (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Bromide	mg/L	0482	WL	08/01/2006	0001	58.00 - 58.00	40	U	F	#	40	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	0.32		FJ	#	0.05	-
	mg/L	0484	WL	08/01/2006	0001	28.00 - 28.00	20	U	F	#	20	-
	mg/L	0485	WL	08/01/2006	0001	58.00 - 58.00	40	U	F	#	40	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	2.3		FJ	#	0.05	-
	mg/L	0488	WL	07/26/2006	0001	39.00 - 39.00	4	U	F	#	4	-
	mg/L	0493	WL	07/31/2006	0001	54.00 - 54.00	20	U	F	#	20	-
	mg/L	0493	WL	07/31/2006	0002	54.00 - 54.00	20	U	F	#	20	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	2.3		FJ	#	0.05	-
	mg/L	0497	WL, PZ	07/25/2006	0001	4.80 - 4.80	4	U	QF	#	4	-
	mg/L	0547	TS, INFL	08/03/2006	0001	0.00 - 0.00	20	U		#	20	-
	mg/L	0548	TS, EPND	08/03/2006	0001	0.00 - 0.00	20	U		#	20	-
	mg/L	0557	WL	07/31/2006	0001	40.00 - 40.00	20	U	F	#	20	-
	mg/L	0558	WL	08/01/2006	0001	36.00 - 36.00	40	U	F	#	40	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	0.050	U	F	#	0.05	-
	mg/L	0560	WL	08/01/2006	0001	31.00 - 31.00	40	U	F	#	40	-
	mg/L	0561	WL	08/01/2006	0001	50.00 - 50.00	40	U	F	#	40	-
	mg/L	0562	WL, PZ	07/27/2006	0001	1.80 - 1.80	0.2	U	QF	#	0.2	-
	mg/L	0563	WL, PZ	07/19/2006	0001	5.10 - 5.10	0.081	B	FJ	#	0.05	-
	mg/L	0564	WL, PZ	07/27/2006	0001	1.70 - 1.70	0.2	U	QF	#	0.2	-
	mg/L	0565	WL, PZ	07/19/2006	0001	4.50 - 4.50	0.10	B	FJ	#	0.05	-
	mg/L	0570	WL, I&E	07/31/2006	0001	27.00 - 27.00	10	U		#	10	-
	mg/L	0571	WL, I&E	07/31/2006	0001	37.00 - 37.00	20	U		#	20	-
	mg/L	0572	WL, I&E	07/31/2006	0001	27.00 - 27.00	10	U		#	10	-
	mg/L	0573	WL, I&E	07/31/2006	0001	37.00 - 37.00	10	U		#	10	-
	mg/L	0575	WL, I&E	07/31/2006	0001	37.00 - 37.00	20	U		#	20	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:		DETECTION LIMIT	UN-CERTAINTY	
				DATE	ID			LAB	DATA QA			
Bromide	mg/L	0576	WL, I&E	07/31/2006	0001	27.00 - 27.00	10	U	#	10	-	
	mg/L	0577	WL, I&E	07/31/2006	0001	37.00 - 37.00	20	U	#	20	-	
	mg/L	0577	WL, I&E	07/31/2006	0002	37.00 - 37.00	10	U	#	10	-	
	mg/L	0579	WL, I&E	07/31/2006	0001	37.00 - 37.00	1	U	#	1	-	
	mg/L	0580	WL	07/26/2006	0001	18.00 - 18.00	1	U	#	1	-	
	mg/L	0581	WL	07/25/2006	0001	18.00 - 18.00	4	U	#	4	-	
	mg/L	0582	WL	07/26/2006	0001	18.00 - 18.00	2	U	#	2	-	
	mg/L	0583	WL	07/25/2006	0001	18.00 - 18.00	1	U	#	1	-	
	mg/L	0583	WL	07/25/2006	0002	18.00 - 18.00	1	U	#	1	-	
	mg/L	0584	WL	07/24/2006	0001	18.00 - 18.00	2	U	#	2	-	
	mg/L	0585	WL	07/24/2006	0001	18.00 - 18.00	2	U	#	2	-	
	mg/L	0586	WL	07/24/2006	0001	18.00 - 18.00	4	U	#	4	-	
	mg/L	0587	WL	07/25/2006	0001	18.00 - 18.00	2	U	#	2	-	
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	0.88		FJ	#	0.05	-
	mg/L	0588	WL	07/24/2006	0001	34.00 - 34.00	4	U	#	4	-	
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	250	U	F	#	250	-
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	250	U	F	#	250	-
	mg/L	0589	WL	07/25/2006	0001	52.00 - 52.00	20	U	#	20	-	
	mg/L	0591	WL, PZ	07/18/2006	0001	4.40 - 4.40	0.13	B	FJ	#	0.05	-
	mg/L	0596	WL	08/01/2006	0001	24.00 - 24.00	4	U	F	#	4	-
	mg/L	0596	WL	08/01/2006	0002	24.00 - 24.00	2	U	F	#	2	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.50		FJ	#	0.05	-
	mg/L	0598	WL, PZ	07/25/2006	0001	9.60 - 9.60	4	U	F	#	4	-
	mg/L	0599	WL, PZ	07/26/2006	0001	9.90 - 9.90	4	U	QF	#	4	-
	mg/L	0600	WL	07/25/2006	0001	27.00 - 27.00	4	U	F	#	4	-
	mg/L	0601	WL	07/24/2006	0001	27.00 - 27.00	2	U	F	#	2	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Bromide	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	0.76	FJ #	0.05	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	0.28	FJ #	0.05	-
	mg/L	0604	WL, PZ	07/18/2006	0001	7.80 - 7.80	1.3	FJ #	0.05	-
	mg/L	0605	WL, PZ	07/26/2006	0001	9.90 - 9.90	1	U QF #	1	-
	mg/L	0606	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.54	FJ #	0.05	-
	mg/L	0608	WL, PZ	07/27/2006	0001	9.40 - 9.40	0.43	QF #	0.4	-
	mg/L	0611	WL, PZ	07/27/2006	0001	2.70 - 2.70	0.2	U QF #	0.2	-
	mg/L	0612	WL, PZ	07/26/2006	0001	4.80 - 4.80	0.2	U QF #	0.2	-
	mg/L	0615	WL, PZ	07/27/2006	0001	1.90 - 1.90	0.2	U QF #	0.2	-
	mg/L	0616	WL, PZ	07/26/2006	0001	5.80 - 5.80	0.2	U QF #	0.2	-
	mg/L	0617	WL, PZ	07/27/2006	0001	2.20 - 2.20	4	U QF #	4	-
	mg/L	0618	WL, PZ	07/26/2006	0001	5.80 - 5.80	4	U QF #	4	-
	mg/L	0670	WL, EXT	07/14/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0671	WL, EXT	07/14/2006	0001	40.00 - 40.00	10	U #	10	-
	mg/L	0672	WL, EXT	07/14/2006	0001	40.00 - 40.00	10	U #	10	-
	mg/L	0673	WL, EXT	07/14/2006	0001	40.00 - 40.00	10	U #	10	-
	mg/L	0674	WL, EXT	07/14/2006	0001	40.00 - 40.00	10	U #	10	-
	mg/L	0675	WL, EXT	07/14/2006	0001	40.00 - 40.00	10	U #	10	-
	mg/L	0676	WL, EXT	07/14/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0677	WL, EXT	07/14/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0678	WL, EXT	07/14/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0679	WL, EXT	07/14/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0682	WL	07/26/2006	0001	28.00 - 28.00	4	U F #	4	-
	mg/L	0683	WL	07/26/2006	0001	27.00 - 27.00	4	U F #	4	-
	mg/L	0683	WL	07/26/2006	0002	27.00 - 27.00	4	U F #	4	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	0.050	U F #	0.05	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Bromide	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	50.0	U F #	50	-
	mg/L	0688	WL	07/26/2006	0001	30.60 - 40.60	10	U F #	10	-
	mg/L	0689	WL	07/26/2006	0001	46.00 - 56.00	40	U F #	40	-
	mg/L	0691	WL, PZ	07/18/2006	0001	4.90 - 4.90	1.1	FJ #	0.05	-
	mg/L	0692	WL, PZ	07/18/2006	0001	9.60 - 9.60	2.0	FJ #	0.05	-
	mg/L	0692	WL, PZ	07/26/2006	0001	9.60 - 9.60	4	U F #	4	-
	mg/L	0693	WL, PZ	07/27/2006	0001	2.00 - 2.00	1	U QF #	1	-
	mg/L	0694	WL, PZ	07/18/2006	0001	4.30 - 4.30	0.34	FJ #	0.05	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	3.0	FJ #	0.05	-
	mg/L	0696	WL, PZ	07/27/2006	0001	1.80 - 1.80	0.2	U QF #	0.2	-
	mg/L	0697	WL, PZ	07/25/2006	0001	4.80 - 4.80	1	U F #	1	-
	mg/L	0698	WL, PZ	07/25/2006	0001	9.80 - 9.80	2	U QF #	2	-
	mg/L	SMI-PW01	WL	07/31/2006	0001	40.00 - 40.00	4	U F #	4	-
	mg/L	SMI-PW02	WL	08/03/2006	0001	20.04 - 60.04	10	U #	10	-
	mg/L	SMI-PZ1D2	WL	07/31/2006	0001	73.00 - 73.00	20	U F #	20	-
	mg/L	SMI-PZ1M	WL	07/31/2006	0001	57.00 - 57.00	10	U F #	10	-
	mg/L	SMI-PZ1S	WL	07/31/2006	0001	18.00 - 18.00	4	U F #	4	-
	Carbon Dioxide	mg/L	0403	WL	07/19/2006	N002	18.00 - 18.00	50.00	F #	0.39
mg/L		0403	WL	07/19/2006	N004	18.00 - 18.00	54.00	F #	0.39	-
mg/L		0405	WL	07/17/2006	N002	18.00 - 18.00	88.00	F #	0.39	-
mg/L		0407	WL	07/19/2006	N002	17.00 - 17.00	18.00	F #	0.39	-
mg/L		0483	WL	07/18/2006	N002	18.00 - 18.00	9.50	#	0.39	-
mg/L		0488	WL	07/17/2006	N002	26.00 - 26.00	110.00	F #	0.39	-
mg/L		0495	WL, PZ	07/18/2006	N002	5.10 - 5.10	170.00	F #	0.39	-
mg/L		0559	WL	07/18/2006	N002	19.00 - 19.00	26.00	F #	0.39	-
mg/L		0563	WL, PZ	07/19/2006	N002	5.10 - 5.10	4.60	J F #	0.39	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Carbon Dioxide	mg/L	0565	WL, PZ	07/19/2006	N002	4.50 - 4.50	2.50	J F #	0.39	-
	mg/L	0588	WL	07/19/2006	N002	26.00 - 26.00	68.00	F #	0.39	-
	mg/L	0589	WL	07/20/2006	N002	44.00 - 44.00	50.00	F #	0.39	-
	mg/L	0589	WL	07/20/2006	N004	44.00 - 44.00	44.00	F #	0.39	-
	mg/L	0591	WL, PZ	07/18/2006	N002	4.40 - 4.40	6.70	F #	0.39	-
	mg/L	0597	WL, PZ	07/18/2006	N002	9.80 - 9.80	51.00	F #	0.39	-
	mg/L	0602	WL	07/19/2006	N002	18.00 - 18.00	88.00	F #	0.39	-
	mg/L	0603	WL, PZ	07/18/2006	N002	9.70 - 9.70	1.30	J #	0.39	-
	mg/L	0604	WL, PZ	07/18/2006	N002	7.80 - 7.80	2.60	J F #	0.39	-
	mg/L	0606	WL, PZ	07/18/2006	N002	9.80 - 9.80	1.50	J F #	0.39	-
	mg/L	0686	WL	07/17/2006	N002	18.00 - 18.00	62.00	F #	0.39	-
	mg/L	0687	WL	07/19/2006	N002	28.00 - 28.00	140.00	F #	0.39	-
	mg/L	0691	WL, PZ	07/18/2006	N002	4.90 - 4.90	35.00	F #	0.39	-
	mg/L	0692	WL, PZ	07/18/2006	N002	9.60 - 9.60	35.00	F #	0.39	-
	mg/L	0694	WL, PZ	07/18/2006	N002	4.30 - 4.30	11.00	F #	0.39	-
	mg/L	0695	WL, PZ	07/18/2006	N002	9.80 - 9.80	58.00	F #	0.39	-
	Chemical Oxygen Demand	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	129	FJ #	9.2
mg/L		0403	WL	07/19/2006	0003	18.00 - 18.00	103	FJ #	9.2	-
mg/L		0405	WL	07/17/2006	0001	18.00 - 18.00	256	FJ #	9.2	-
mg/L		0407	WL	07/19/2006	0001	17.00 - 17.00	9.2	U F #	9.2	-
mg/L		0483	WL	07/18/2006	0001	18.00 - 18.00	100	FJ #	9.2	-
mg/L		0488	WL	07/17/2006	0001	26.00 - 26.00	514	FJ #	9.2	-
mg/L		0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	190	FJ #	9.2	-
mg/L		0559	WL	07/18/2006	0001	19.00 - 19.00	68.0	FJ #	9.2	-
mg/L		0588	WL	07/19/2006	0001	26.00 - 26.00	176	FJ #	9.2	-
mg/L		0589	WL	07/20/2006	0001	44.00 - 44.00	1500	FJ #	9.2	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chemical Oxygen Demand	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	1900	FJ #	9.2	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	141	FJ #	9.2	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	62.0	FJ #	9.2	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	34.0	FJ #	9.2	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	576	FJ #	9.2	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	491	FJ #	9.2	-
Chloride	mg/L	0216	SL, RIV	07/27/2006	0001	0.00 - 0.00	86	#	4	-
	mg/L	0239	SL, RIV	07/27/2006	0001	0.00 - 0.00	85	#	4	-
	mg/L	0240	SL, RIV	07/27/2006	0001	0.00 - 0.00	100	#	4	-
	mg/L	0243	SL	07/27/2006	0001	0.00 - 0.00	84	#	4	-
	mg/L	0245	SL, RIV	07/27/2006	0001	0.00 - 0.00	81	#	4	-
	mg/L	0259	SL, RIV	07/27/2006	0001	0.00 - 0.00	84	#	4	-
	mg/L	0259	SL, RIV	07/27/2006	0002	0.00 - 0.00	87	#	2	-
	mg/L	0401	WL	08/02/2006	0001	18.00 - 18.00	1400	F #	40	-
	mg/L	0402	WL	08/02/2006	0001	17.00 - 17.00	1300	F #	40	-
	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	1160	J F #	11.4	-
	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	1190	FJ #	11.4	-
	mg/L	0404	WL	08/02/2006	0001	18.00 - 18.00	1900	F #	40	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	1560	J FJ #	22.8	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	69.3	J F #	0.46	-
	mg/L	0408	WL	08/02/2006	0001	26.00 - 26.00	1900	F #	40	-
	mg/L	0470	WL, EXT	07/14/2006	0001	18.00 - 18.00	2900	#	40	-
	mg/L	0470	WL, EXT	07/14/2006	0002	18.00 - 18.00	2900	#	40	-
	mg/L	0471	WL, EXT	07/14/2006	0001	18.00 - 18.00	3900	#	40	-
	mg/L	0472	WL, EXT	07/14/2006	0001	18.00 - 18.00	2300	#	40	-
	mg/L	0473	WL, EXT	07/14/2006	0001	18.00 - 18.00	820	#	20	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0474	WL, EXT	07/14/2006	0001	18.00 - 18.00	750		# 20	-
	mg/L	0475	WL, EXT	07/14/2006	0001	18.00 - 18.00	830		# 20	-
	mg/L	0476	WL, EXT	07/14/2006	0001	18.00 - 18.00	630		# 20	-
	mg/L	0477	WL, EXT	07/14/2006	0001	18.00 - 18.00	810		# 20	-
	mg/L	0478	WL, EXT	07/14/2006	0001	23.00 - 23.00	2500		# 40	-
	mg/L	0479	WL, EXT	07/14/2006	0001	23.00 - 23.00	2800		# 40	-
	mg/L	0480	WL	08/01/2006	0001	18.00 - 18.00	1900	F	# 40	-
	mg/L	0481	WL	08/01/2006	0001	28.00 - 28.00	6900	F	# 1000	-
	mg/L	0482	WL	08/01/2006	0001	58.00 - 58.00	41000	F	# 4000	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	1380	J FJ	# 11.4	-
	mg/L	0484	WL	08/01/2006	0001	28.00 - 28.00	9300	F	# 400	-
	mg/L	0485	WL	08/01/2006	0001	58.00 - 58.00	43000	F	# 4000	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	1710	J FJ	# 22.8	-
	mg/L	0488	WL	07/26/2006	0001	39.00 - 39.00	1800	F	# 40	-
	mg/L	0493	WL	07/31/2006	0001	54.00 - 54.00	6900	F	# 400	-
	mg/L	0493	WL	07/31/2006	0002	54.00 - 54.00	7300	F	# 400	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	2280	J FJ	# 22.8	-
	mg/L	0497	WL, PZ	07/25/2006	0001	4.80 - 4.80	1900	QF	# 40	-
	mg/L	0547	TS, INFL	08/03/2006	0001	0.00 - 0.00	12000		# 1000	-
	mg/L	0548	TS, EPND	08/03/2006	0001	0.00 - 0.00	10000		# 1000	-
	mg/L	0557	WL	07/31/2006	0001	40.00 - 40.00	12000	F	# 1000	-
	mg/L	0558	WL	08/01/2006	0001	36.00 - 36.00	22000	F	# 4000	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	656	J FJ	# 4.6	-
	mg/L	0560	WL	08/01/2006	0001	31.00 - 31.00	29000	F	# 4000	-
	mg/L	0561	WL	08/01/2006	0001	50.00 - 50.00	37000	F	# 4000	-
	mg/L	0562	WL, PZ	07/27/2006	0001	1.80 - 1.80	70	QF	# 2	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY	
				DATE	ID			LAB	DATA	QA			
Chloride	mg/L	0563	WL, PZ	07/19/2006	0001	5.10 - 5.10	48.7	J	F	#	0.46	-	
	mg/L	0564	WL, PZ	07/27/2006	0001	1.70 - 1.70	66		QF	#	4	-	
	mg/L	0565	WL, PZ	07/19/2006	0001	4.50 - 4.50	55.1	J	FJ	#	0.46	-	
	mg/L	0570	WL, I&E	07/31/2006	0001	27.00 - 27.00	6700			#	400	-	
	mg/L	0571	WL, I&E	07/31/2006	0001	37.00 - 37.00	7300			#	1000	-	
	mg/L	0572	WL, I&E	07/31/2006	0001	27.00 - 27.00	4900			#	400	-	
	mg/L	0573	WL, I&E	07/31/2006	0001	37.00 - 37.00	7400			#	400	-	
	mg/L	0575	WL, I&E	07/31/2006	0001	37.00 - 37.00	12000			#	1000	-	
	mg/L	0576	WL, I&E	07/31/2006	0001	27.00 - 27.00	6800			#	400	-	
	mg/L	0577	WL, I&E	07/31/2006	0001	37.00 - 37.00	7200			#	400	-	
	mg/L	0577	WL, I&E	07/31/2006	0002	37.00 - 37.00	7500			#	100	-	
	mg/L	0579	WL, I&E	07/31/2006	0001	37.00 - 37.00	480			#	10	-	
	mg/L	0580	WL	07/26/2006	0001	18.00 - 18.00	150			#	10	-	
	mg/L	0581	WL	07/25/2006	0001	18.00 - 18.00	1900			#	40	-	
	mg/L	0582	WL	07/26/2006	0001	18.00 - 18.00	830			#	20	-	
	mg/L	0583	WL	07/25/2006	0001	18.00 - 18.00	350			#	20	-	
	mg/L	0583	WL	07/25/2006	0002	18.00 - 18.00	360			#	20	-	
	mg/L	0584	WL	07/24/2006	0001	18.00 - 18.00	640			#	20	-	
	mg/L	0585	WL	07/24/2006	0001	18.00 - 18.00	1000			#	20	-	
	mg/L	0586	WL	07/24/2006	0001	18.00 - 18.00	2500			#	40	-	
	mg/L	0587	WL	07/25/2006	0001	18.00 - 18.00	1300			#	20	-	
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	1500	J	F	#	11.4	-	
	mg/L	0588	WL	07/24/2006	0001	34.00 - 34.00	5700			#	100	-	
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	42800			FJ	#	228	-
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	43400			F	#	228	-
	mg/L	0589	WL	07/25/2006	0001	52.00 - 52.00	39000			#	400	-	

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0591	WL, PZ	07/18/2006	0001	4.40 - 4.40	553	J FJ #	4.6	-
	mg/L	0596	WL	08/01/2006	0001	24.00 - 24.00	1300	F #	100	-
	mg/L	0596	WL	08/01/2006	0002	24.00 - 24.00	1200	F #	20	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	1990	J F #	22.8	-
	mg/L	0598	WL, PZ	07/25/2006	0001	9.60 - 9.60	1700	F #	40	-
	mg/L	0599	WL, PZ	07/26/2006	0001	9.90 - 9.90	1900	QF #	40	-
	mg/L	0600	WL	07/25/2006	0001	27.00 - 27.00	1800	F #	40	-
	mg/L	0601	WL	07/24/2006	0001	27.00 - 27.00	1300	F #	40	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	1780	FJ #	11.4	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	340	J F #	2.3	-
	mg/L	0604	WL, PZ	07/18/2006	0001	7.80 - 7.80	1820	J F #	11.4	-
	mg/L	0605	WL, PZ	07/26/2006	0001	9.90 - 9.90	150	QF #	10	-
	mg/L	0606	WL, PZ	07/18/2006	0001	9.80 - 9.80	1160	J F #	11.4	-
	mg/L	0608	WL, PZ	07/27/2006	0001	9.40 - 9.40	220	QF #	4	-
	mg/L	0611	WL, PZ	07/27/2006	0001	2.70 - 2.70	66	QF #	2	-
	mg/L	0612	WL, PZ	07/26/2006	0001	4.80 - 4.80	70	QF #	2	-
	mg/L	0615	WL, PZ	07/27/2006	0001	1.90 - 1.90	76	QF #	2	-
	mg/L	0616	WL, PZ	07/26/2006	0001	5.80 - 5.80	47	QF #	4	-
	mg/L	0617	WL, PZ	07/27/2006	0001	2.20 - 2.20	2200	QF #	40	-
	mg/L	0618	WL, PZ	07/26/2006	0001	5.80 - 5.80	2000	QF #	40	-
	mg/L	0670	WL, EXT	07/14/2006	0001	40.00 - 40.00	3200	#	40	-
	mg/L	0671	WL, EXT	07/14/2006	0001	40.00 - 40.00	6700	#	100	-
	mg/L	0672	WL, EXT	07/14/2006	0001	40.00 - 40.00	9100	#	200	-
	mg/L	0673	WL, EXT	07/14/2006	0001	40.00 - 40.00	11000	#	200	-
	mg/L	0674	WL, EXT	07/14/2006	0001	40.00 - 40.00	9500	#	100	-
	mg/L	0675	WL, EXT	07/14/2006	0001	40.00 - 40.00	7200	#	100	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0676	WL, EXT	07/14/2006	0001	40.00 - 40.00	3500		# 40	-
	mg/L	0677	WL, EXT	07/14/2006	0001	40.00 - 40.00	5500		# 100	-
	mg/L	0678	WL, EXT	07/14/2006	0001	40.00 - 40.00	4300		# 100	-
	mg/L	0679	WL, EXT	07/14/2006	0001	40.00 - 40.00	3300		# 40	-
	mg/L	0682	WL	07/26/2006	0001	28.00 - 28.00	2200	F	# 40	-
	mg/L	0683	WL	07/26/2006	0001	27.00 - 27.00	1900	F	# 40	-
	mg/L	0683	WL	07/26/2006	0002	27.00 - 27.00	1900	F	# 40	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	310	J FJ	# 2.3	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	3210	FJ	# 45.6	-
	mg/L	0688	WL	07/26/2006	0001	30.60 - 40.60	5000	F	# 100	-
	mg/L	0689	WL	07/26/2006	0001	46.00 - 56.00	33000	F	# 2000	-
	mg/L	0691	WL, PZ	07/18/2006	0001	4.90 - 4.90	1520	J F	# 11.4	-
	mg/L	0692	WL, PZ	07/18/2006	0001	9.60 - 9.60	1780	J F	# 22.8	-
	mg/L	0692	WL, PZ	07/26/2006	0001	9.60 - 9.60	2100	F	# 40	-
	mg/L	0693	WL, PZ	07/27/2006	0001	2.00 - 2.00	300	QF	# 10	-
	mg/L	0694	WL, PZ	07/18/2006	0001	4.30 - 4.30	553	J F	# 4.6	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	2130	J F	# 22.8	-
	mg/L	0696	WL, PZ	07/27/2006	0001	1.80 - 1.80	57	QF	# 4	-
	mg/L	0697	WL, PZ	07/25/2006	0001	4.80 - 4.80	180	F	# 10	-
	mg/L	0698	WL, PZ	07/25/2006	0001	9.80 - 9.80	660	QF	# 20	-
	mg/L	SMI-PW01	WL	07/31/2006	0001	40.00 - 40.00	1400	F	# 40	-
	mg/L	SMI-PW02	WL	08/03/2006	0001	20.04 - 60.04	27000		# 400	-
	mg/L	SMI-PZ1D2	WL	07/31/2006	0001	73.00 - 73.00	44000	F	# 1000	-
mg/L	SMI-PZ1M	WL	07/31/2006	0001	57.00 - 57.00	6100	F	# 200	-	
mg/L	SMI-PZ1S	WL	07/31/2006	0001	18.00 - 18.00	2800	F	# 100	-	
Dissolved Oxygen	mg/L	0216	SL, RIV	07/27/2006	N001	0.00 - 0.00	9.02		# -	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Dissolved Oxygen	mg/L	0239	SL, RIV	07/27/2006	N001	0.00 - 0.00	9.70	#	-	-
	mg/L	0240	SL, RIV	07/27/2006	N001	0.00 - 0.00	11.97	#	-	-
	mg/L	0243	SL	07/27/2006	N001	0.00 - 0.00	7.50	#	-	-
	mg/L	0245	SL, RIV	07/27/2006	N001	0.00 - 0.00	9.06	#	-	-
	mg/L	0259	SL, RIV	07/27/2006	N001	0.00 - 0.00	9.23	#	-	-
	mg/L	0401	WL	08/02/2006	N001	18.00 - 18.00	1.64	F #	-	-
	mg/L	0402	WL	08/02/2006	N001	17.00 - 17.00	1.03	F #	-	-
	mg/L	0403	WL	07/19/2006	N001	18.00 - 18.00	1.77	F #	-	-
	mg/L	0403	WL	07/19/2006	N002	18.00 - 18.00	1.70	F #	0.05	-
	mg/L	0403	WL	07/19/2006	N004	18.00 - 18.00	2.60	F #	0.05	-
	mg/L	0404	WL	08/02/2006	N001	18.00 - 18.00	1.56	F #	-	-
	mg/L	0405	WL	07/17/2006	N001	18.00 - 18.00	0.54	F #	-	-
	mg/L	0405	WL	07/17/2006	N002	18.00 - 18.00	2.40	F #	0.05	-
	mg/L	0407	WL	07/19/2006	N001	17.00 - 17.00	1.99	F #	-	-
	mg/L	0407	WL	07/19/2006	N002	17.00 - 17.00	3.70	F #	0.05	-
	mg/L	0408	WL	08/02/2006	N001	26.00 - 26.00	1.11	F #	-	-
	mg/L	0470	WL, EXT	07/14/2006	N001	18.00 - 18.00	0.64	#	-	-
	mg/L	0471	WL, EXT	07/14/2006	N001	18.00 - 18.00	3.20	#	-	-
	mg/L	0472	WL, EXT	07/14/2006	N001	18.00 - 18.00	48.2	#	-	-
	mg/L	0473	WL, EXT	07/14/2006	N001	18.00 - 18.00	0.68	#	-	-
	mg/L	0474	WL, EXT	07/14/2006	N001	18.00 - 18.00	0.99	#	-	-
	mg/L	0475	WL, EXT	07/14/2006	N001	18.00 - 18.00	0.98	#	-	-
	mg/L	0476	WL, EXT	07/14/2006	N001	18.00 - 18.00	0.63	#	-	-
	mg/L	0477	WL, EXT	07/14/2006	N001	18.00 - 18.00	0.79	#	-	-
	mg/L	0478	WL, EXT	07/14/2006	N001	23.00 - 23.00	4.26	#	-	-
	mg/L	0479	WL, EXT	07/14/2006	N001	23.00 - 23.00	48.2	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Dissolved Oxygen	mg/L	0480	WL	08/01/2006	N001	18.00 - 18.00	1.74	F	#	-	-
	mg/L	0481	WL	08/01/2006	N001	28.00 - 28.00	1.46	F	#	-	-
	mg/L	0482	WL	08/01/2006	N001	58.00 - 58.00	0.80	F	#	-	-
	mg/L	0483	WL	07/18/2006	N001	18.00 - 18.00	1.50	F	#	-	-
	mg/L	0483	WL	07/18/2006	N002	18.00 - 18.00	3.80		#	0.05	-
	mg/L	0484	WL	08/01/2006	N001	28.00 - 28.00	1.14	F	#	-	-
	mg/L	0485	WL	08/01/2006	N001	58.00 - 58.00	0.87	F	#	-	-
	mg/L	0488	WL	07/17/2006	N001	26.00 - 26.00	0.61	F	#	-	-
	mg/L	0488	WL	07/17/2006	N002	26.00 - 26.00	1.50	F	#	0.05	-
	mg/L	0488	WL	07/26/2006	N001	39.00 - 39.00	0.60	F	#	-	-
	mg/L	0493	WL	07/31/2006	N001	54.00 - 54.00	0.52	F	#	-	-
	mg/L	0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	6.09	F	#	-	-
	mg/L	0495	WL, PZ	07/18/2006	N002	5.10 - 5.10	3.60	F	#	0.05	-
	mg/L	0496	WL, PZ	07/24/2006	N001	2.70 - 2.70	3.42	F	#	-	-
	mg/L	0497	WL, PZ	07/25/2006	N001	4.80 - 4.80	4.57	QF	#	-	-
	mg/L	0547	TS, INFL	08/03/2006	N001	0.00 - 0.00	2.88		#	-	-
	mg/L	0548	TS, EPND	08/03/2006	N001	0.00 - 0.00	2.68		#	-	-
	mg/L	0557	WL	07/31/2006	N001	40.00 - 40.00	0.77	F	#	-	-
	mg/L	0558	WL	08/01/2006	N001	36.00 - 36.00	0.88	F	#	-	-
	mg/L	0559	WL	07/18/2006	N001	19.00 - 19.00	1.49	F	#	-	-
	mg/L	0559	WL	07/18/2006	N002	19.00 - 19.00	2.70	F	#	0.05	-
	mg/L	0560	WL	08/01/2006	N001	31.00 - 31.00	0.79	F	#	-	-
	mg/L	0561	WL	08/01/2006	N001	50.00 - 50.00	1.07	F	#	-	-
	mg/L	0562	WL, PZ	07/27/2006	N001	1.80 - 1.80	3.23	QF	#	-	-
	mg/L	0563	WL, PZ	07/19/2006	N001	5.10 - 5.10	5.21	F	#	-	-
	mg/L	0563	WL, PZ	07/19/2006	N002	5.10 - 5.10	4.40	F	#	0.05	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Dissolved Oxygen	mg/L	0564	WL, PZ	07/27/2006	N001	1.70 - 1.70	4.01	QF	#	-	-	
	mg/L	0565	WL, PZ	07/19/2006	N001	4.50 - 4.50	5.11	F	#	-	-	
	mg/L	0565	WL, PZ	07/19/2006	N002	4.50 - 4.50	2.90	F	#	0.05	-	
	mg/L	0570	WL, I&E	07/31/2006	N001	27.00 - 27.00	4.58		#	-	-	
	mg/L	0571	WL, I&E	07/31/2006	N001	37.00 - 37.00	2.88		#	-	-	
	mg/L	0572	WL, I&E	07/31/2006	N001	27.00 - 27.00	3.02		#	-	-	
	mg/L	0573	WL, I&E	07/31/2006	N001	37.00 - 37.00	3.46		#	-	-	
	mg/L	0575	WL, I&E	07/31/2006	N001	37.00 - 37.00	3.50		#	-	-	
	mg/L	0576	WL, I&E	07/31/2006	N001	27.00 - 27.00	3.68		#	-	-	
	mg/L	0577	WL, I&E	07/31/2006	N001	37.00 - 37.00	5.54		#	-	-	
	mg/L	0579	WL, I&E	07/31/2006	N001	37.00 - 37.00	3.53		#	-	-	
	mg/L	0580	WL	07/26/2006	N001	18.00 - 18.00	2.51		#	-	-	
	mg/L	0581	WL	07/25/2006	N001	18.00 - 18.00	1.25		#	-	-	
	mg/L	0582	WL	07/26/2006	N001	18.00 - 18.00	1.28		#	-	-	
	mg/L	0583	WL	07/25/2006	N001	18.00 - 18.00	0.99		#	-	-	
	mg/L	0584	WL	07/24/2006	N001	18.00 - 18.00	0.95		#	-	-	
	mg/L	0585	WL	07/24/2006	N001	18.00 - 18.00	1.49		#	-	-	
	mg/L	0586	WL	07/24/2006	N001	18.00 - 18.00	1.08		#	-	-	
	mg/L	0587	WL	07/25/2006	N001	18.00 - 18.00	1.07		#	-	-	
	mg/L	0588	WL	07/19/2006	N001	26.00 - 26.00	0.79		F	#	-	-
	mg/L	0588	WL	07/19/2006	N002	26.00 - 26.00	2.10		F	#	0.05	-
	mg/L	0588	WL	07/24/2006	N001	34.00 - 34.00	0.68			#	-	-
	mg/L	0589	WL	07/20/2006	N001	44.00 - 44.00	0.88		F	#	-	-
	mg/L	0589	WL	07/20/2006	N002	44.00 - 44.00	2.10		F	#	0.05	-
	mg/L	0589	WL	07/20/2006	N004	44.00 - 44.00	2.20		F	#	0.05	-
	mg/L	0589	WL	07/25/2006	N001	52.00 - 52.00	0.45			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Dissolved Oxygen	mg/L	0590	WL, PZ	07/24/2006	N001	1.50 - 1.50	4.94	F	#	-	-
	mg/L	0591	WL, PZ	07/18/2006	N001	4.40 - 4.40	3.13	F	#	-	-
	mg/L	0591	WL, PZ	07/18/2006	N002	4.40 - 4.40	2.50	F	#	0.05	-
	mg/L	0596	WL	08/01/2006	N001	24.00 - 24.00	0.74	F	#	-	-
	mg/L	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	6.13	F	#	-	-
	mg/L	0597	WL, PZ	07/18/2006	N002	9.80 - 9.80	4.50	F	#	0.05	-
	mg/L	0598	WL, PZ	07/25/2006	N001	9.60 - 9.60	2.05	F	#	-	-
	mg/L	0599	WL, PZ	07/26/2006	N001	9.90 - 9.90	4.35	QF	#	-	-
	mg/L	0600	WL	07/25/2006	N001	27.00 - 27.00	1.32	F	#	-	-
	mg/L	0601	WL	07/24/2006	N001	27.00 - 27.00	1.16	F	#	-	-
	mg/L	0602	WL	07/19/2006	N001	18.00 - 18.00	0.64	F	#	-	-
	mg/L	0602	WL	07/19/2006	N002	18.00 - 18.00	2.10	F	#	0.05	-
	mg/L	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	4.20	F	#	-	-
	mg/L	0603	WL, PZ	07/18/2006	N002	9.70 - 9.70	0.49	J	#	0.05	-
	mg/L	0604	WL, PZ	07/18/2006	N001	7.80 - 7.80	3.73	F	#	-	-
	mg/L	0604	WL, PZ	07/18/2006	N002	7.80 - 7.80	2.80	F	#	0.05	-
	mg/L	0605	WL, PZ	07/26/2006	N001	9.90 - 9.90	8.28	QF	#	-	-
	mg/L	0606	WL, PZ	07/18/2006	N001	9.80 - 9.80	4.30	F	#	-	-
	mg/L	0606	WL, PZ	07/18/2006	N002	9.80 - 9.80	3.20	F	#	0.05	-
	mg/L	0607	WL, PZ	07/18/2006	N001	10.10 - 10.10	3.66	F	#	-	-
	mg/L	0608	WL, PZ	07/27/2006	N001	9.40 - 9.40	3.64	QF	#	-	-
	mg/L	0611	WL, PZ	07/27/2006	N001	2.70 - 2.70	4.68	QF	#	-	-
	mg/L	0612	WL, PZ	07/26/2006	N001	4.80 - 4.80	4.20	QF	#	-	-
	mg/L	0614	WL, PZ	07/17/2006	N001	5.60 - 5.60	5.85	F	#	-	-
	mg/L	0615	WL, PZ	07/27/2006	N001	1.90 - 1.90	6.30	QF	#	-	-
	mg/L	0616	WL, PZ	07/26/2006	N001	5.80 - 5.80	6.27	QF	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Dissolved Oxygen	mg/L	0617	WL, PZ	07/27/2006	N001	2.20 - 2.20	5.80	QF #	-	-
	mg/L	0618	WL, PZ	07/26/2006	N001	5.80 - 5.80	4.39	QF #	-	-
	mg/L	0670	WL, EXT	07/14/2006	N001	40.00 - 40.00	0.54	#	-	-
	mg/L	0671	WL, EXT	07/14/2006	N001	40.00 - 40.00	0.65	#	-	-
	mg/L	0672	WL, EXT	07/14/2006	N001	40.00 - 40.00	0.67	#	-	-
	mg/L	0673	WL, EXT	07/14/2006	N001	40.00 - 40.00	0.90	#	-	-
	mg/L	0674	WL, EXT	07/14/2006	N001	40.00 - 40.00	0.57	#	-	-
	mg/L	0675	WL, EXT	07/14/2006	N001	40.00 - 40.00	0.75	#	-	-
	mg/L	0676	WL, EXT	07/14/2006	N001	40.00 - 40.00	0.65	#	-	-
	mg/L	0677	WL, EXT	07/14/2006	N001	40.00 - 40.00	1.45	#	-	-
	mg/L	0678	WL, EXT	07/14/2006	N001	40.00 - 40.00	0.50	#	-	-
	mg/L	0679	WL, EXT	07/14/2006	N001	40.00 - 40.00	1.56	#	-	-
	mg/L	0682	WL	07/26/2006	N001	28.00 - 28.00	0.77	F #	-	-
	mg/L	0683	WL	07/26/2006	N001	27.00 - 27.00	0.90	F #	-	-
	mg/L	0686	WL	07/17/2006	N001	18.00 - 18.00	0.60	F #	-	-
	mg/L	0686	WL	07/17/2006	N002	18.00 - 18.00	2.50	F #	0.05	-
	mg/L	0687	WL	07/19/2006	N001	28.00 - 28.00	0.95	F #	-	-
	mg/L	0687	WL	07/19/2006	N002	28.00 - 28.00	1.50	F #	0.05	-
	mg/L	0688	WL	07/26/2006	N001	31.00 - 31.00	0.78	F #	-	-
	mg/L	0688	WL	07/26/2006	N002	39.00 - 39.00	0.82	F #	-	-
	mg/L	0689	WL	07/26/2006	N001	54.00 - 54.00	0.65	F #	-	-
	mg/L	0689	WL	07/26/2006	N002	46.00 - 46.00	1.34	F #	-	-
	mg/L	0690	WL, PZ	07/24/2006	N001	3.30 - 3.30	5.59	F #	-	-
	mg/L	0691	WL, PZ	07/18/2006	N001	4.90 - 4.90	7.28	F #	-	-
	mg/L	0691	WL, PZ	07/18/2006	N002	4.90 - 4.90	4.50	F #	0.05	-
	mg/L	0692	WL, PZ	07/18/2006	N001	9.60 - 9.60	5.93	F #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Dissolved Oxygen	mg/L	0692	WL, PZ	07/18/2006	N002	9.60 - 9.60	3.20	F #	0.05	-
	mg/L	0693	WL, PZ	07/27/2006	N001	2.00 - 2.00	4.96	QF #	-	-
	mg/L	0694	WL, PZ	07/18/2006	N001	4.30 - 4.30	5.04	F #	-	-
	mg/L	0694	WL, PZ	07/18/2006	N002	4.30 - 4.30	4.30	F #	0.05	-
	mg/L	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	4.15	F #	-	-
	mg/L	0695	WL, PZ	07/18/2006	N002	9.80 - 9.80	2.90	F #	0.05	-
	mg/L	0696	WL, PZ	07/27/2006	N001	1.80 - 1.80	4.35	QF #	-	-
	mg/L	0697	WL, PZ	07/25/2006	N001	4.80 - 4.80	2.32	F #	-	-
	mg/L	0698	WL, PZ	07/25/2006	N001	9.80 - 9.80	3.14	QF #	-	-
	mg/L	CR1	SL, RIV	08/02/2006	N001	0.00 - 0.00	5.44	#	-	-
	mg/L	CR5	SL, RIV	08/02/2006	N001	0.00 - 0.00	6.27	#	-	-
	mg/L	SMI-PW01	WL	07/31/2006	N001	40.00 - 40.00	0.78	F #	-	-
	mg/L	SMI-PW02	WL	08/03/2006	N001	55.00 - 55.00	2.13	#	-	-
	mg/L	SMI-PZ1D2	WL	07/31/2006	N001	73.00 - 73.00	0.40	F #	-	-
	mg/L	SMI-PZ1M	WL	07/31/2006	N001	57.00 - 57.00	0.38	F #	-	-
	mg/L	SMI-PZ1S	WL	07/31/2006	N001	18.00 - 18.00	0.98	F #	-	-
Iron	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	0.0375	B F #	0.025	-
	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	0.0402	B F #	0.025	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	0.0250	U F #	0.025	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	0.567	F #	0.025	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	0.0250	U F #	0.025	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	0.0250	U F #	0.025	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	0.0250	U F #	0.025	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	0.109	F #	0.025	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	0.0263	B F #	0.025	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	0.0250	U F #	0.025	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Iron	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	0.0250	U F #	0.025	-
	mg/L	0591	WL, PZ	07/18/2006	0001	4.40 - 4.40	0.0981	B F #	0.025	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.0310	B F #	0.025	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	0.0250	U F #	0.025	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	0.0742	B F #	0.025	-
	mg/L	0606	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.0261	B F #	0.025	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	0.0306	B F #	0.025	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	0.0250	U F #	0.025	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.478	F #	0.025	-
Iron (II)	mg/L	0403	WL	07/19/2006	N002	18.00 - 18.00	2.1	F #	0.1	-
	mg/L	0403	WL	07/19/2006	N004	18.00 - 18.00	1.0	U F #	0.1	-
	mg/L	0405	WL	07/17/2006	N002	18.00 - 18.00	1.0	U F #	0.1	-
	mg/L	0407	WL	07/19/2006	N002	17.00 - 17.00	0.3	J F #	0.1	-
	mg/L	0483	WL	07/18/2006	N002	18.00 - 18.00	1.0	U #	0.1	-
	mg/L	0488	WL	07/17/2006	N002	26.00 - 26.00	1.0	U F #	0.1	-
	mg/L	0495	WL, PZ	07/18/2006	N002	5.10 - 5.10	1.0	U F #	0.1	-
	mg/L	0559	WL	07/18/2006	N002	19.00 - 19.00	0.2	J F #	0.1	-
	mg/L	0563	WL, PZ	07/19/2006	N002	5.10 - 5.10	2.5	F #	0.1	-
	mg/L	0565	WL, PZ	07/19/2006	N002	4.50 - 4.50	0.2	J F #	0.1	-
	mg/L	0588	WL	07/19/2006	N002	26.00 - 26.00	1.0	U F #	0.1	-
	mg/L	0589	WL	07/20/2006	N002	44.00 - 44.00	1.0	U F #	0.1	-
	mg/L	0589	WL	07/20/2006	N004	44.00 - 44.00	1.0	U F #	0.1	-
	mg/L	0591	WL, PZ	07/18/2006	N002	4.40 - 4.40	1.0	U F #	0.1	-
	mg/L	0597	WL, PZ	07/18/2006	N002	9.80 - 9.80	1.0	U F #	0.1	-
	mg/L	0602	WL	07/19/2006	N002	18.00 - 18.00	1.0	U F #	0.1	-
	mg/L	0603	WL, PZ	07/18/2006	N002	9.70 - 9.70	32.0	F #	0.4	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Iron (II)	mg/L	0604	WL, PZ	07/18/2006	N002	7.80 - 7.80	1.0	U F #	0.1	-
	mg/L	0606	WL, PZ	07/18/2006	N002	9.80 - 9.80	1.0	U F #	0.1	-
	mg/L	0686	WL	07/17/2006	N002	18.00 - 18.00	1.0	U F #	0.1	-
	mg/L	0687	WL	07/19/2006	N002	28.00 - 28.00	1.0	U F #	0.1	-
	mg/L	0691	WL, PZ	07/18/2006	N002	4.90 - 4.90	1.0	U F #	0.1	-
	mg/L	0692	WL, PZ	07/18/2006	N002	9.60 - 9.60	1.0	U F #	0.1	-
	mg/L	0694	WL, PZ	07/18/2006	N002	4.30 - 4.30	1.0	U F #	0.1	-
	mg/L	0695	WL, PZ	07/18/2006	N002	9.80 - 9.80	1.0	U F #	0.1	-
Manganese	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	4.030	N F #	0.0068	-
	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	4.200	N F #	0.0068	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	5.200	N F #	0.0342	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	0.472	N F #	0.00034	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	0.856	N F #	0.0068	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	7.590	N F #	0.0342	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	1.450	N F #	0.0342	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	2.430	N F #	0.0085	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	4.330	N F #	0.0085	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	8.240	N F #	0.0342	-
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	8.130	N F #	0.0342	-
	mg/L	0591	WL, PZ	07/18/2006	0001	4.40 - 4.40	0.514	N F #	0.0068	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	6.760	N F #	0.0342	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	4.110	N F #	0.0342	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	0.633	N F #	0.0068	-
	mg/L	0606	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.213	N F #	0.0085	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	0.834	N F #	0.0068	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	5.230	N F #	0.0342	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Manganese	mg/L	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	4.780	N F #	0.0342	-
Manganese (II)	mg/L	0403	WL	07/19/2006	N002	18.00 - 18.00	5.7	F #	0.1	-
	mg/L	0403	WL	07/19/2006	N004	18.00 - 18.00	4.4	F #	0.1	-
	mg/L	0405	WL	07/17/2006	N002	18.00 - 18.00	5.0	F #	0.1	-
	mg/L	0407	WL	07/19/2006	N002	17.00 - 17.00	0.6	J F #	0.1	-
	mg/L	0483	WL	07/18/2006	N002	18.00 - 18.00	1	J #	0.1	-
	mg/L	0488	WL	07/17/2006	N002	26.00 - 26.00	7.4	F #	0.1	-
	mg/L	0495	WL, PZ	07/18/2006	N002	5.10 - 5.10	1.2	F #	0.1	-
	mg/L	0559	WL	07/18/2006	N002	19.00 - 19.00	2.1	F #	0.1	-
	mg/L	0563	WL, PZ	07/19/2006	N002	5.10 - 5.10	0.7	J F #	0.1	-
	mg/L	0565	WL, PZ	07/19/2006	N002	4.50 - 4.50	0.4	J F #	0.1	-
	mg/L	0588	WL	07/19/2006	N002	26.00 - 26.00	2.9	F #	0.1	-
	mg/L	0589	WL	07/20/2006	N002	44.00 - 44.00	1.7	F #	0.1	-
	mg/L	0589	WL	07/20/2006	N004	44.00 - 44.00	1.2	F #	0.1	-
	mg/L	0591	WL, PZ	07/18/2006	N002	4.40 - 4.40	1.4	F #	0.1	-
	mg/L	0597	WL, PZ	07/18/2006	N002	9.80 - 9.80	6.6	F #	0.1	-
	mg/L	0602	WL	07/19/2006	N002	18.00 - 18.00	3.7	F #	0.1	-
	mg/L	0603	WL, PZ	07/18/2006	N002	9.70 - 9.70	10.0	#	0.1	-
	mg/L	0604	WL, PZ	07/18/2006	N002	7.80 - 7.80	1.0	U F #	0.1	-
	mg/L	0606	WL, PZ	07/18/2006	N002	9.80 - 9.80	0.2	J F #	0.1	-
	mg/L	0686	WL	07/17/2006	N002	18.00 - 18.00	1.8	F #	0.1	-
	mg/L	0687	WL	07/19/2006	N002	28.00 - 28.00	0.2	J F #	0.1	-
	mg/L	0691	WL, PZ	07/18/2006	N002	4.90 - 4.90	2.3	F #	0.1	-
	mg/L	0692	WL, PZ	07/18/2006	N002	9.60 - 9.60	3.7	F #	0.1	-
	mg/L	0694	WL, PZ	07/18/2006	N002	4.30 - 4.30	0.9	J F #	0.1	-
	mg/L	0695	WL, PZ	07/18/2006	N002	9.80 - 9.80	4.8	F #	0.1	-

GENERAL WATER QUALITY DATA BY PARAMETER (USee205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Methane	ug/L	0403	WL	07/19/2006	N002	18.00 - 18.00	120.000	F	#	0.014	-	
	ug/L	0403	WL	07/19/2006	N004	18.00 - 18.00	120.000	F	#	0.014	-	
	ug/L	0405	WL	07/17/2006	N002	18.00 - 18.00	3.500	F	#	0.014	-	
	ug/L	0407	WL	07/19/2006	N002	17.00 - 17.00	100.000	F	#	0.014	-	
	ug/L	0483	WL	07/18/2006	N002	18.00 - 18.00	66.000		#	0.014	-	
	ug/L	0488	WL	07/17/2006	N002	26.00 - 26.00	1.600	F	#	0.014	-	
	ug/L	0495	WL, PZ	07/18/2006	N002	5.10 - 5.10	0.390	F	#	0.014	-	
	ug/L	0559	WL	07/18/2006	N002	19.00 - 19.00	120.000	F	#	0.014	-	
	ug/L	0563	WL, PZ	07/19/2006	N002	5.10 - 5.10	570.000	F	#	0.014	-	
	ug/L	0565	WL, PZ	07/19/2006	N002	4.50 - 4.50	1100.000	F	#	0.014	-	
	ug/L	0588	WL	07/19/2006	N002	26.00 - 26.00	20.000	F	#	0.014	-	
	ug/L	0589	WL	07/20/2006	N002	44.00 - 44.00	3.400	F	#	0.014	-	
	ug/L	0589	WL	07/20/2006	N004	44.00 - 44.00	2.900	F	#	0.014	-	
	ug/L	0591	WL, PZ	07/18/2006	N002	4.40 - 4.40	200.000	F	#	0.014	-	
	ug/L	0597	WL, PZ	07/18/2006	N002	9.80 - 9.80	1.100	F	#	0.014	-	
	ug/L	0602	WL	07/19/2006	N002	18.00 - 18.00	5.600	F	#	0.014	-	
	ug/L	0603	WL, PZ	07/18/2006	N002	9.70 - 9.70	470.000		#	0.014	-	
	ug/L	0604	WL, PZ	07/18/2006	N002	7.80 - 7.80	10.000	F	#	0.014	-	
	ug/L	0606	WL, PZ	07/18/2006	N002	9.80 - 9.80	150.000	F	#	0.014	-	
	ug/L	0686	WL	07/17/2006	N002	18.00 - 18.00	0.980	F	#	0.014	-	
ug/L	0687	WL	07/19/2006	N002	28.00 - 28.00	1.400	F	#	0.014	-		
ug/L	0691	WL, PZ	07/18/2006	N002	4.90 - 4.90	9.400	F	#	0.014	-		
ug/L	0692	WL, PZ	07/18/2006	N002	9.60 - 9.60	6.100	F	#	0.014	-		
ug/L	0694	WL, PZ	07/18/2006	N002	4.30 - 4.30	370.000	F	#	0.014	-		
ug/L	0695	WL, PZ	07/18/2006	N002	9.80 - 9.80	59.000	F	#	0.014	-		
Nitrate + Nitrite as Nitrogen	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	95.700	F	#	3.09	-	

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY	
Nitrate + Nitrite as Nitrogen	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	95.400	F #	1.24	-	
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	40.800	F #	0.309	-	
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	0.0031	U F #	0.0031	-	
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	7.890	F #	0.0309	-	
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	38.500	F #	0.309	-	
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	149.000	F #	1.24	-	
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	35.200	F #	0.309	-	
	mg/L	0563	WL, PZ	07/19/2006	0001	5.10 - 5.10	0.0031	U F #	0.0031	-	
	mg/L	0565	WL, PZ	07/19/2006	0001	4.50 - 4.50	0.0031	U F #	0.0031	-	
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	116.000	F #	3.09	-	
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	39.100	F #	0.124	-	
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	37.800	F #	0.124	-	
	mg/L	0591	WL, PZ	07/18/2006	0001	4.40 - 4.40	27.800	F #	0.124	-	
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	80.200	F #	1.24	-	
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	144.000	F #	3.09	-	
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	2.260	F #	0.0124	-	
	mg/L	0604	WL, PZ	07/18/2006	0001	7.80 - 7.80	83.100	F #	1.24	-	
	mg/L	0606	WL, PZ	07/18/2006	0001	9.80 - 9.80	3.070	F #	0.0247	-	
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	37.100	F #	0.124	-	
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	188.000	F #	3.09	-	
	mg/L	0691	WL, PZ	07/18/2006	0001	4.90 - 4.90	96.600	F #	1.24	-	
	mg/L	0692	WL, PZ	07/18/2006	0001	9.60 - 9.60	87.100	F #	1.24	-	
	mg/L	0694	WL, PZ	07/18/2006	0001	4.30 - 4.30	0.260	F #	0.0031	-	
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	147.000	F #	3.09	-	
	Nitrogen, Total	mg/L	0403	WL	07/19/2006	N002	18.00 - 18.00	14.00	F #	0.1	-
		mg/L	0403	WL	07/19/2006	N004	18.00 - 18.00	17.00	F #	0.1	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY	
Nitrogen, Total	mg/L	0405	WL	07/17/2006	N002	18.00 - 18.00	15.00	F #	0.1	-	
	mg/L	0407	WL	07/19/2006	N002	17.00 - 17.00	19.00	F #	0.1	-	
	mg/L	0483	WL	07/18/2006	N002	18.00 - 18.00	17.00	#	0.1	-	
	mg/L	0488	WL	07/17/2006	N002	26.00 - 26.00	14.00	F #	0.1	-	
	mg/L	0495	WL, PZ	07/18/2006	N002	5.10 - 5.10	13.00	F #	0.1	-	
	mg/L	0559	WL	07/18/2006	N002	19.00 - 19.00	15.00	F #	0.1	-	
	mg/L	0563	WL, PZ	07/19/2006	N002	5.10 - 5.10	16.00	F #	0.1	-	
	mg/L	0565	WL, PZ	07/19/2006	N002	4.50 - 4.50	16.00	F #	0.1	-	
	mg/L	0588	WL	07/19/2006	N002	26.00 - 26.00	15.00	F #	0.1	-	
	mg/L	0589	WL	07/20/2006	N002	44.00 - 44.00	12.00	F #	0.1	-	
	mg/L	0589	WL	07/20/2006	N004	44.00 - 44.00	12.00	F #	0.1	-	
	mg/L	0591	WL, PZ	07/18/2006	N002	4.40 - 4.40	15.00	F #	0.1	-	
	mg/L	0597	WL, PZ	07/18/2006	N002	9.80 - 9.80	15.00	F #	0.1	-	
	mg/L	0602	WL	07/19/2006	N002	18.00 - 18.00	15.00	F #	0.1	-	
	mg/L	0603	WL, PZ	07/18/2006	N002	9.70 - 9.70	15.00	#	0.1	-	
	mg/L	0604	WL, PZ	07/18/2006	N002	7.80 - 7.80	16.00	F #	0.1	-	
	mg/L	0606	WL, PZ	07/18/2006	N002	9.80 - 9.80	14.00	F #	0.1	-	
	mg/L	0686	WL	07/17/2006	N002	18.00 - 18.00	16.00	F #	0.1	-	
	mg/L	0687	WL	07/19/2006	N002	28.00 - 28.00	13.00	F #	0.1	-	
	mg/L	0691	WL, PZ	07/18/2006	N002	4.90 - 4.90	14.00	F #	0.1	-	
	mg/L	0692	WL, PZ	07/18/2006	N002	9.60 - 9.60	11.00	F #	0.1	-	
	mg/L	0694	WL, PZ	07/18/2006	N002	4.30 - 4.30	16.00	F #	0.1	-	
	mg/L	0695	WL, PZ	07/18/2006	N002	9.80 - 9.80	15.00	F #	0.1	-	
	Oxidation Reduction Potent	mV	0216	SL, RIV	07/27/2006	N001	0.00 - 0.00	52	#	-	-
		mV	0239	SL, RIV	07/27/2006	N001	0.00 - 0.00	53	#	-	-
		mV	0240	SL, RIV	07/27/2006	N001	0.00 - 0.00	66	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potent	mV	0243	SL	07/27/2006	N001	0.00 - 0.00	121.0		#	-
	mV	0245	SL, RIV	07/27/2006	N001	0.00 - 0.00	54		#	-
	mV	0259	SL, RIV	07/27/2006	N001	0.00 - 0.00	82		#	-
	mV	0401	WL	08/02/2006	N001	18.00 - 18.00	134	F	#	-
	mV	0402	WL	08/02/2006	N001	17.00 - 17.00	166	F	#	-
	mV	0403	WL	07/19/2006	N001	18.00 - 18.00	70.0	F	#	-
	mV	0404	WL	08/02/2006	N001	18.00 - 18.00	142	F	#	-
	mV	0405	WL	07/17/2006	N001	18.00 - 18.00	28.9	F	#	-
	mV	0407	WL	07/19/2006	N001	17.00 - 17.00	-62.6	F	#	-
	mV	0408	WL	08/02/2006	N001	26.00 - 26.00	167	F	#	-
	mV	0470	WL, EXT	07/14/2006	N001	18.00 - 18.00	144.5		#	-
	mV	0471	WL, EXT	07/14/2006	N001	18.00 - 18.00	152		#	-
	mV	0472	WL, EXT	07/14/2006	N001	18.00 - 18.00	148.5		#	-
	mV	0473	WL, EXT	07/14/2006	N001	18.00 - 18.00	133		#	-
	mV	0474	WL, EXT	07/14/2006	N001	18.00 - 18.00	133		#	-
	mV	0475	WL, EXT	07/14/2006	N001	18.00 - 18.00	135.4		#	-
	mV	0476	WL, EXT	07/14/2006	N001	18.00 - 18.00	125		#	-
	mV	0477	WL, EXT	07/14/2006	N001	18.00 - 18.00	124		#	-
	mV	0478	WL, EXT	07/14/2006	N001	23.00 - 23.00	139		#	-
	mV	0479	WL, EXT	07/14/2006	N001	23.00 - 23.00	169		#	-
	mV	0480	WL	08/01/2006	N001	18.00 - 18.00	102	F	#	-
	mV	0481	WL	08/01/2006	N001	28.00 - 28.00	175	F	#	-
	mV	0482	WL	08/01/2006	N001	58.00 - 58.00	205	F	#	-
	mV	0483	WL	07/18/2006	N001	18.00 - 18.00	6.1	F	#	-
	mV	0484	WL	08/01/2006	N001	28.00 - 28.00	89	F	#	-
	mV	0485	WL	08/01/2006	N001	58.00 - 58.00	133	F	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Oxidation Reduction Potent	mV	0488	WL	07/17/2006	N001	26.00 - 26.00	151	F	#	-	-
	mV	0488	WL	07/26/2006	N001	39.00 - 39.00	56	F	#	-	-
	mV	0493	WL	07/31/2006	N001	54.00 - 54.00	107	F	#	-	-
	mV	0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	119.9	F	#	-	-
	mV	0496	WL, PZ	07/24/2006	N001	2.70 - 2.70	109	F	#	-	-
	mV	0497	WL, PZ	07/25/2006	N001	4.80 - 4.80	70	QF	#	-	-
	mV	0547	TS, INFL	08/03/2006	N001	0.00 - 0.00	210		#	-	-
	mV	0548	TS, EPND	08/03/2006	N001	0.00 - 0.00	191		#	-	-
	mV	0557	WL	07/31/2006	N001	40.00 - 40.00	46	F	#	-	-
	mV	0558	WL	08/01/2006	N001	36.00 - 36.00	165	F	#	-	-
	mV	0559	WL	07/18/2006	N001	19.00 - 19.00	22.30	F	#	-	-
	mV	0560	WL	08/01/2006	N001	31.00 - 31.00	180	F	#	-	-
	mV	0561	WL	08/01/2006	N001	50.00 - 50.00	183	F	#	-	-
	mV	0562	WL, PZ	07/27/2006	N001	1.80 - 1.80	-50	QF	#	-	-
	mV	0563	WL, PZ	07/19/2006	N001	5.10 - 5.10	48	F	#	-	-
	mV	0564	WL, PZ	07/27/2006	N001	1.70 - 1.70	-44	QF	#	-	-
	mV	0565	WL, PZ	07/19/2006	N001	4.50 - 4.50	102	F	#	-	-
	mV	0570	WL, I&E	07/31/2006	N001	27.00 - 27.00	181.3		#	-	-
	mV	0571	WL, I&E	07/31/2006	N001	37.00 - 37.00	195		#	-	-
	mV	0572	WL, I&E	07/31/2006	N001	27.00 - 27.00	157		#	-	-
	mV	0573	WL, I&E	07/31/2006	N001	37.00 - 37.00	177		#	-	-
	mV	0575	WL, I&E	07/31/2006	N001	37.00 - 37.00	186		#	-	-
	mV	0576	WL, I&E	07/31/2006	N001	27.00 - 27.00	132		#	-	-
	mV	0577	WL, I&E	07/31/2006	N001	37.00 - 37.00	181		#	-	-
	mV	0579	WL, I&E	07/31/2006	N001	37.00 - 37.00	116		#	-	-
	mV	0580	WL	07/26/2006	N001	18.00 - 18.00	38		#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potent	mV	0581	WL	07/25/2006	N001	18.00 - 18.00	81		#	-
	mV	0582	WL	07/26/2006	N001	18.00 - 18.00	8		#	-
	mV	0583	WL	07/25/2006	N001	18.00 - 18.00	38		#	-
	mV	0584	WL	07/24/2006	N001	18.00 - 18.00	37.8		#	-
	mV	0585	WL	07/24/2006	N001	18.00 - 18.00	106		#	-
	mV	0586	WL	07/24/2006	N001	18.00 - 18.00	173		#	-
	mV	0587	WL	07/25/2006	N001	18.00 - 18.00	106		#	-
	mV	0588	WL	07/19/2006	N001	26.00 - 26.00	51.1	F	#	-
	mV	0588	WL	07/24/2006	N001	34.00 - 34.00	66		#	-
	mV	0589	WL	07/20/2006	N001	44.00 - 44.00	21.9	F	#	-
	mV	0589	WL	07/25/2006	N001	52.00 - 52.00	71		#	-
	mV	0590	WL, PZ	07/24/2006	N001	1.50 - 1.50	39	F	#	-
	mV	0591	WL, PZ	07/18/2006	N001	4.40 - 4.40	-180	F	#	-
	mV	0596	WL	08/01/2006	N001	24.00 - 24.00	87	F	#	-
	mV	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	148	F	#	-
	mV	0598	WL, PZ	07/25/2006	N001	9.60 - 9.60	184	F	#	-
	mV	0599	WL, PZ	07/26/2006	N001	9.90 - 9.90	16	QF	#	-
	mV	0600	WL	07/25/2006	N001	27.00 - 27.00	30	F	#	-
	mV	0601	WL	07/24/2006	N001	27.00 - 27.00	141	F	#	-
	mV	0602	WL	07/19/2006	N001	18.00 - 18.00	44.2	F	#	-
	mV	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	51	F	#	-
	mV	0604	WL, PZ	07/18/2006	N001	7.80 - 7.80	83	F	#	-
	mV	0605	WL, PZ	07/26/2006	N001	9.90 - 9.90	8	QF	#	-
	mV	0606	WL, PZ	07/18/2006	N001	9.80 - 9.80	26	F	#	-
	mV	0607	WL, PZ	07/18/2006	N001	10.10 - 10.10	59	F	#	-
	mV	0608	WL, PZ	07/27/2006	N001	9.40 - 9.40	-64	QF	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potent	mV	0611	WL, PZ	07/27/2006	N001	2.70 - 2.70	-25	QF #	-	-
	mV	0612	WL, PZ	07/26/2006	N001	4.80 - 4.80	-31	QF #	-	-
	mV	0614	WL, PZ	07/17/2006	N001	5.60 - 5.60	94	F #	-	-
	mV	0615	WL, PZ	07/27/2006	N001	1.90 - 1.90	-42	QF #	-	-
	mV	0616	WL, PZ	07/26/2006	N001	5.80 - 5.80	-11	QF #	-	-
	mV	0617	WL, PZ	07/27/2006	N001	2.20 - 2.20	-50	QF #	-	-
	mV	0618	WL, PZ	07/26/2006	N001	5.80 - 5.80	-65	QF #	-	-
	mV	0670	WL, EXT	07/14/2006	N001	40.00 - 40.00	127	#	-	-
	mV	0671	WL, EXT	07/14/2006	N001	40.00 - 40.00	130	#	-	-
	mV	0672	WL, EXT	07/14/2006	N001	40.00 - 40.00	137	#	-	-
	mV	0673	WL, EXT	07/14/2006	N001	40.00 - 40.00	136	#	-	-
	mV	0674	WL, EXT	07/14/2006	N001	40.00 - 40.00	135	#	-	-
	mV	0675	WL, EXT	07/14/2006	N001	40.00 - 40.00	127	#	-	-
	mV	0676	WL, EXT	07/14/2006	N001	40.00 - 40.00	116.5	#	-	-
	mV	0677	WL, EXT	07/14/2006	N001	40.00 - 40.00	109	#	-	-
	mV	0678	WL, EXT	07/14/2006	N001	40.00 - 40.00	109	#	-	-
	mV	0679	WL, EXT	07/14/2006	N001	40.00 - 40.00	99	#	-	-
	mV	0682	WL	07/26/2006	N001	28.00 - 28.00	94	F #	-	-
	mV	0683	WL	07/26/2006	N001	27.00 - 27.00	84	F #	-	-
	mV	0686	WL	07/17/2006	N001	18.00 - 18.00	35	F #	-	-
	mV	0687	WL	07/19/2006	N001	28.00 - 28.00	105.4	F #	-	-
	mV	0688	WL	07/26/2006	N001	31.00 - 31.00	88	F #	-	-
	mV	0688	WL	07/26/2006	N002	39.00 - 39.00	116	F #	-	-
	mV	0689	WL	07/26/2006	N001	54.00 - 54.00	129	F #	-	-
	mV	0689	WL	07/26/2006	N002	46.00 - 46.00	95	F #	-	-
	mV	0690	WL, PZ	07/24/2006	N001	3.30 - 3.30	70	F #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Oxidation Reduction Potent	mV	0691	WL, PZ	07/18/2006	N001	4.90 - 4.90	93	F	#	-	-
	mV	0692	WL, PZ	07/18/2006	N001	9.60 - 9.60	97	F	#	-	-
	mV	0693	WL, PZ	07/27/2006	N001	2.00 - 2.00	129	QF	#	-	-
	mV	0694	WL, PZ	07/18/2006	N001	4.30 - 4.30	78	F	#	-	-
	mV	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	74	F	#	-	-
	mV	0696	WL, PZ	07/27/2006	N001	1.80 - 1.80	143	QF	#	-	-
	mV	0697	WL, PZ	07/25/2006	N001	4.80 - 4.80	221	F	#	-	-
	mV	0698	WL, PZ	07/25/2006	N001	9.80 - 9.80	165	QF	#	-	-
	mV	CR1	SL, RIV	08/02/2006	N001	0.00 - 0.00	41.4		#	-	-
	mV	CR5	SL, RIV	08/02/2006	N001	0.00 - 0.00	51		#	-	-
	mV	SMI-PW01	WL	07/31/2006	N001	40.00 - 40.00	124	F	#	-	-
	mV	SMI-PW02	WL	08/03/2006	N001	55.00 - 55.00	219		#	-	-
	mV	SMI-PZ1D2	WL	07/31/2006	N001	73.00 - 73.00	171	F	#	-	-
	mV	SMI-PZ1M	WL	07/31/2006	N001	57.00 - 57.00	140	F	#	-	-
	mV	SMI-PZ1S	WL	07/31/2006	N001	18.00 - 18.00	112	F	#	-	-
pH	s.u.	0216	SL, RIV	07/27/2006	N001	0.00 - 0.00	8.30		#	-	-
	s.u.	0239	SL, RIV	07/27/2006	N001	0.00 - 0.00	8.31		#	-	-
	s.u.	0240	SL, RIV	07/27/2006	N001	0.00 - 0.00	8.11		#	-	-
	s.u.	0243	SL	07/27/2006	N001	0.00 - 0.00	8.08		#	-	-
	s.u.	0245	SL, RIV	07/27/2006	N001	0.00 - 0.00	8.22		#	-	-
	s.u.	0259	SL, RIV	07/27/2006	N001	0.00 - 0.00	8.19		#	-	-
	s.u.	0401	WL	08/02/2006	N001	18.00 - 18.00	6.69	F	#	-	-
	s.u.	0402	WL	08/02/2006	N001	17.00 - 17.00	6.70	F	#	-	-
	s.u.	0403	WL	07/19/2006	N001	18.00 - 18.00	6.81	F	#	-	-
	s.u.	0404	WL	08/02/2006	N001	18.00 - 18.00	6.72	F	#	-	-
	s.u.	0405	WL	07/17/2006	N001	18.00 - 18.00	6.74	F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0407	WL	07/19/2006	N001	17.00 - 17.00	7.09	F #	-	-
	s.u.	0408	WL	08/02/2006	N001	26.00 - 26.00	6.57	F #	-	-
	s.u.	0470	WL, EXT	07/14/2006	N001	18.00 - 18.00	6.90	#	-	-
	s.u.	0471	WL, EXT	07/14/2006	N001	18.00 - 18.00	6.74	#	-	-
	s.u.	0472	WL, EXT	07/14/2006	N001	18.00 - 18.00	6.94	#	-	-
	s.u.	0473	WL, EXT	07/14/2006	N001	18.00 - 18.00	7.01	#	-	-
	s.u.	0474	WL, EXT	07/14/2006	N001	18.00 - 18.00	6.93	#	-	-
	s.u.	0475	WL, EXT	07/14/2006	N001	18.00 - 18.00	6.86	#	-	-
	s.u.	0476	WL, EXT	07/14/2006	N001	18.00 - 18.00	6.90	#	-	-
	s.u.	0477	WL, EXT	07/14/2006	N001	18.00 - 18.00	6.81	#	-	-
	s.u.	0478	WL, EXT	07/14/2006	N001	23.00 - 23.00	6.82	#	-	-
	s.u.	0479	WL, EXT	07/14/2006	N001	23.00 - 23.00	6.68	#	-	-
	s.u.	0480	WL	08/01/2006	N001	18.00 - 18.00	6.61	F #	-	-
	s.u.	0481	WL	08/01/2006	N001	28.00 - 28.00	6.59	F #	-	-
	s.u.	0482	WL	08/01/2006	N001	58.00 - 58.00	6.49	F #	-	-
	s.u.	0483	WL	07/18/2006	N001	18.00 - 18.00	7.51	F #	-	-
	s.u.	0484	WL	08/01/2006	N001	28.00 - 28.00	6.63	F #	-	-
	s.u.	0485	WL	08/01/2006	N001	58.00 - 58.00	6.50	F #	-	-
	s.u.	0488	WL	07/17/2006	N001	26.00 - 26.00	6.70	F #	-	-
	s.u.	0488	WL	07/26/2006	N001	39.00 - 39.00	6.86	F #	-	-
	s.u.	0493	WL	07/31/2006	N001	54.00 - 54.00	6.56	F #	-	-
	s.u.	0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	6.88	F #	-	-
	s.u.	0496	WL, PZ	07/24/2006	N001	2.70 - 2.70	6.65	F #	-	-
	s.u.	0497	WL, PZ	07/25/2006	N001	4.80 - 4.80	7.15	QF #	-	-
	s.u.	0547	TS, INFL	08/03/2006	N001	0.00 - 0.00	6.56	#	-	-
	s.u.	0548	TS, EPND	08/03/2006	N001	0.00 - 0.00	7.46	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0557	WL	07/31/2006	N001	40.00 - 40.00	6.48	F #	-	-
	s.u.	0558	WL	08/01/2006	N001	36.00 - 36.00	6.49	F #	-	-
	s.u.	0559	WL	07/18/2006	N001	19.00 - 19.00	7.02	F #	-	-
	s.u.	0560	WL	08/01/2006	N001	31.00 - 31.00	6.53	F #	-	-
	s.u.	0561	WL	08/01/2006	N001	50.00 - 50.00	6.50	F #	-	-
	s.u.	0562	WL, PZ	07/27/2006	N001	1.80 - 1.80	7.62	QF #	-	-
	s.u.	0563	WL, PZ	07/19/2006	N001	5.10 - 5.10	7.86	F #	-	-
	s.u.	0564	WL, PZ	07/27/2006	N001	1.70 - 1.70	7.66	QF #	-	-
	s.u.	0565	WL, PZ	07/19/2006	N001	4.50 - 4.50	7.42	F #	-	-
	s.u.	0570	WL, I&E	07/31/2006	N001	27.00 - 27.00	6.91	#	-	-
	s.u.	0571	WL, I&E	07/31/2006	N001	37.00 - 37.00	6.92	#	-	-
	s.u.	0572	WL, I&E	07/31/2006	N001	27.00 - 27.00	6.86	#	-	-
	s.u.	0573	WL, I&E	07/31/2006	N001	37.00 - 37.00	6.83	#	-	-
	s.u.	0575	WL, I&E	07/31/2006	N001	37.00 - 37.00	6.85	#	-	-
	s.u.	0576	WL, I&E	07/31/2006	N001	27.00 - 27.00	6.88	#	-	-
	s.u.	0577	WL, I&E	07/31/2006	N001	37.00 - 37.00	6.62	#	-	-
	s.u.	0579	WL, I&E	07/31/2006	N001	37.00 - 37.00	7.42	#	-	-
	s.u.	0580	WL	07/26/2006	N001	18.00 - 18.00	6.86	#	-	-
	s.u.	0581	WL	07/25/2006	N001	18.00 - 18.00	6.85	#	-	-
	s.u.	0582	WL	07/26/2006	N001	18.00 - 18.00	6.86	#	-	-
	s.u.	0583	WL	07/25/2006	N001	18.00 - 18.00	7.06	#	-	-
	s.u.	0584	WL	07/24/2006	N001	18.00 - 18.00	6.84	#	-	-
	s.u.	0585	WL	07/24/2006	N001	18.00 - 18.00	6.73	#	-	-
	s.u.	0586	WL	07/24/2006	N001	18.00 - 18.00	6.56	#	-	-
	s.u.	0587	WL	07/25/2006	N001	18.00 - 18.00	6.77	#	-	-
	s.u.	0588	WL	07/19/2006	N001	26.00 - 26.00	6.79	F #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0588	WL	07/24/2006	N001	34.00 - 34.00	6.74		#	-
	s.u.	0589	WL	07/20/2006	N001	44.00 - 44.00	6.61	F	#	-
	s.u.	0589	WL	07/25/2006	N001	52.00 - 52.00	6.63		#	-
	s.u.	0590	WL, PZ	07/24/2006	N001	1.50 - 1.50	7.32	F	#	-
	s.u.	0591	WL, PZ	07/18/2006	N001	4.40 - 4.40	7.56	F	#	-
	s.u.	0596	WL	08/01/2006	N001	24.00 - 24.00	7.43	F	#	-
	s.u.	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	7.27	F	#	-
	s.u.	0598	WL, PZ	07/25/2006	N001	9.60 - 9.60	6.67	F	#	-
	s.u.	0599	WL, PZ	07/26/2006	N001	9.90 - 9.90	6.91	QF	#	-
	s.u.	0600	WL	07/25/2006	N001	27.00 - 27.00	6.81	F	#	-
	s.u.	0601	WL	07/24/2006	N001	27.00 - 27.00	6.65	F	#	-
	s.u.	0602	WL	07/19/2006	N001	18.00 - 18.00	6.76	F	#	-
	s.u.	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	8.90	F	#	-
	s.u.	0604	WL, PZ	07/18/2006	N001	7.80 - 7.80	8.22	F	#	-
	s.u.	0605	WL, PZ	07/26/2006	N001	9.90 - 9.90	7.96	QF	#	-
	s.u.	0606	WL, PZ	07/18/2006	N001	9.80 - 9.80	8.41	F	#	-
	s.u.	0607	WL, PZ	07/18/2006	N001	10.10 - 10.10	7.85	F	#	-
	s.u.	0608	WL, PZ	07/27/2006	N001	9.40 - 9.40	8.31	QF	#	-
	s.u.	0611	WL, PZ	07/27/2006	N001	2.70 - 2.70	7.99	QF	#	-
	s.u.	0612	WL, PZ	07/26/2006	N001	4.80 - 4.80	7.73	QF	#	-
	s.u.	0614	WL, PZ	07/17/2006	N001	5.60 - 5.60	7.94	F	#	-
	s.u.	0615	WL, PZ	07/27/2006	N001	1.90 - 1.90	7.84	QF	#	-
	s.u.	0616	WL, PZ	07/26/2006	N001	5.80 - 5.80	8.52	QF	#	-
	s.u.	0617	WL, PZ	07/27/2006	N001	2.20 - 2.20	6.83	QF	#	-
	s.u.	0618	WL, PZ	07/26/2006	N001	5.80 - 5.80	7.03	QF	#	-
	s.u.	0670	WL, EXT	07/14/2006	N001	40.00 - 40.00	6.77		#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0671	WL, EXT	07/14/2006	N001	40.00 - 40.00	6.73		#	-
	s.u.	0672	WL, EXT	07/14/2006	N001	40.00 - 40.00	6.71		#	-
	s.u.	0673	WL, EXT	07/14/2006	N001	40.00 - 40.00	6.64		#	-
	s.u.	0674	WL, EXT	07/14/2006	N001	40.00 - 40.00	6.69		#	-
	s.u.	0675	WL, EXT	07/14/2006	N001	40.00 - 40.00	6.71		#	-
	s.u.	0676	WL, EXT	07/14/2006	N001	40.00 - 40.00	6.75		#	-
	s.u.	0677	WL, EXT	07/14/2006	N001	40.00 - 40.00	6.67		#	-
	s.u.	0678	WL, EXT	07/14/2006	N001	40.00 - 40.00	6.65		#	-
	s.u.	0679	WL, EXT	07/14/2006	N001	40.00 - 40.00	6.73		#	-
	s.u.	0682	WL	07/26/2006	N001	28.00 - 28.00	6.67	F	#	-
	s.u.	0683	WL	07/26/2006	N001	27.00 - 27.00	6.72	F	#	-
	s.u.	0686	WL	07/17/2006	N001	18.00 - 18.00	6.79	F	#	-
	s.u.	0687	WL	07/19/2006	N001	28.00 - 28.00	6.68	F	#	-
	s.u.	0688	WL	07/26/2006	N001	31.00 - 31.00	6.71	F	#	-
	s.u.	0688	WL	07/26/2006	N002	39.00 - 39.00	6.72	F	#	-
	s.u.	0689	WL	07/26/2006	N001	54.00 - 54.00	6.63	F	#	-
	s.u.	0689	WL	07/26/2006	N002	46.00 - 46.00	6.58	F	#	-
	s.u.	0690	WL, PZ	07/24/2006	N001	3.30 - 3.30	8.00	F	#	-
	s.u.	0691	WL, PZ	07/18/2006	N001	4.90 - 4.90	7.41	F	#	-
	s.u.	0692	WL, PZ	07/18/2006	N001	9.60 - 9.60	7.52	F	#	-
	s.u.	0693	WL, PZ	07/27/2006	N001	2.00 - 2.00	7.46	QF	#	-
	s.u.	0694	WL, PZ	07/18/2006	N001	4.30 - 4.30	8.43	F	#	-
	s.u.	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	7.18	F	#	-
	s.u.	0696	WL, PZ	07/27/2006	N001	1.80 - 1.80	8.77	QF	#	-
	s.u.	0697	WL, PZ	07/25/2006	N001	4.80 - 4.80	7.69	F	#	-
	s.u.	0698	WL, PZ	07/25/2006	N001	9.80 - 9.80	8.93	QF	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	CR1	SL, RIV	08/02/2006	N001	0.00 - 0.00	7.61		# -	-
	s.u.	CR5	SL, RIV	08/02/2006	N001	0.00 - 0.00	7.70		# -	-
	s.u.	SMI-PW01	WL	07/31/2006	N001	40.00 - 40.00	6.51	F	# -	-
	s.u.	SMI-PW02	WL	08/03/2006	N001	55.00 - 55.00	6.46		# -	-
	s.u.	SMI-PZ1D2	WL	07/31/2006	N001	73.00 - 73.00	6.32	F	# -	-
	s.u.	SMI-PZ1M	WL	07/31/2006	N001	57.00 - 57.00	6.62	F	# -	-
	s.u.	SMI-PZ1S	WL	07/31/2006	N001	18.00 - 18.00	6.57	F	# -	-
Phosphorus	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	0.0151	B F	# 0.0101	-
	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	0.0101	U F	# 0.0101	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	0.0101	U F	# 0.0101	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	0.0710	F	# 0.0101	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	0.0418	B F	# 0.0101	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	0.0101	U F	# 0.0101	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	0.161	F	# 0.0101	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	0.0637	F	# 0.0101	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	0.0564	F	# 0.0101	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	0.0612	F	# 0.0101	-
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	0.0904	F	# 0.0101	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	0.107	F	# 0.0101	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	0.0782	F	# 0.0101	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	0.0612	F	# 0.0101	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	0.103	F	# 0.0101	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.0101	U F	# 0.0101	-
Radon-222	pCi/L	0547	TS, INFL	08/03/2006	0001	0.00 - 0.00	202	J	# 87.6	± 63.5
	pCi/L	0548	TS, EPND	08/03/2006	0001	0.00 - 0.00	88.5	U	# 88.5	± 55.1
Selenium	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	0.0200	U F	# 0.02	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY	
Selenium	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	0.0200	U F #	0.02	-	
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	0.100	U F #	0.1	-	
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	0.0010	U F #	0.001	-	
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	0.0200	U F #	0.02	-	
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	0.100	U F #	0.1	-	
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	0.100	U F #	0.1	-	
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	0.0250	U F #	0.025	-	
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	0.0250	U F #	0.025	-	
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	0.100	U F #	0.1	-	
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	0.100	U F #	0.1	-	
	mg/L	0591	WL, PZ	07/18/2006	0001	4.40 - 4.40	0.0200	U F #	0.02	-	
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.100	U F #	0.1	-	
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	0.100	U F #	0.1	-	
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	0.0200	U F #	0.02	-	
	mg/L	0606	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.0250	U F #	0.025	-	
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	0.0200	U F #	0.02	-	
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	0.100	U F #	0.1	-	
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.100	U F #	0.1	-	
Specific Conductance	umhos/cm	0216	SL, RIV	07/27/2006	N001	0.00 - 0.00	1151		#	-	-
	umhos/cm	0239	SL, RIV	07/27/2006	N001	0.00 - 0.00	1152		#	-	-
	umhos/cm	0240	SL, RIV	07/27/2006	N001	0.00 - 0.00	1382		#	-	-
	umhos/cm	0243	SL	07/27/2006	N001	0.00 - 0.00	1143		#	-	-
	umhos/cm	0245	SL, RIV	07/27/2006	N001	0.00 - 0.00	1146		#	-	-
	umhos/cm	0259	SL, RIV	07/27/2006	N001	0.00 - 0.00	1142		#	-	-
	umhos/cm	0401	WL	08/02/2006	N001	18.00 - 18.00	13980	F	#	-	-
	umhos/cm	0402	WL	08/02/2006	N001	17.00 - 17.00	15230	F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Specific Conductance	umhos/cm	0403	WL	07/19/2006	N001	18.00 - 18.00	8787	F	#	-	-
	umhos/cm	0404	WL	08/02/2006	N001	18.00 - 18.00	19550	F	#	-	-
	umhos/cm	0405	WL	07/17/2006	N001	18.00 - 18.00	16320	F	#	-	-
	umhos/cm	0407	WL	07/19/2006	N001	17.00 - 17.00	1270	F	#	-	-
	umhos/cm	0408	WL	08/02/2006	N001	26.00 - 26.00	19130	F	#	-	-
	umhos/cm	0470	WL, EXT	07/14/2006	N001	18.00 - 18.00	18190		#	-	-
	umhos/cm	0471	WL, EXT	07/14/2006	N001	18.00 - 18.00	21800		#	-	-
	umhos/cm	0472	WL, EXT	07/14/2006	N001	18.00 - 18.00	14800		#	-	-
	umhos/cm	0473	WL, EXT	07/14/2006	N001	18.00 - 18.00	8110		#	-	-
	umhos/cm	0474	WL, EXT	07/14/2006	N001	18.00 - 18.00	7798		#	-	-
	umhos/cm	0475	WL, EXT	07/14/2006	N001	18.00 - 18.00	7544		#	-	-
	umhos/cm	0476	WL, EXT	07/14/2006	N001	18.00 - 18.00	6918		#	-	-
	umhos/cm	0477	WL, EXT	07/14/2006	N001	18.00 - 18.00	8780		#	-	-
	umhos/cm	0478	WL, EXT	07/14/2006	N001	23.00 - 23.00	16230		#	-	-
	umhos/cm	0479	WL, EXT	07/14/2006	N001	23.00 - 23.00	22130		#	-	-
	umhos/cm	0480	WL	08/01/2006	N001	18.00 - 18.00	10830	F	#	-	-
	umhos/cm	0481	WL	08/01/2006	N001	28.00 - 28.00	32530	F	#	-	-
	umhos/cm	0482	WL	08/01/2006	N001	58.00 - 58.00	112600	F	#	-	-
	umhos/cm	0483	WL	07/18/2006	N001	18.00 - 18.00	7598	F	#	-	-
	umhos/cm	0484	WL	08/01/2006	N001	28.00 - 28.00	38010	F	#	-	-
	umhos/cm	0485	WL	08/01/2006	N001	58.00 - 58.00	115000	F	#	-	-
	umhos/cm	0488	WL	07/17/2006	N001	26.00 - 26.00	21540	F	#	-	-
	umhos/cm	0488	WL	07/26/2006	N001	39.00 - 39.00	22060	F	#	-	-
	umhos/cm	0493	WL	07/31/2006	N001	54.00 - 54.00	37880	F	#	-	-
	umhos/cm	0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	23710	F	#	-	-
	umhos/cm	0496	WL, PZ	07/24/2006	N001	2.70 - 2.70	6396	F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Specific Conductance	umhos/cm	0497	WL, PZ	07/25/2006	N001	4.80 - 4.80	941	QF	#	-	-
	umhos/cm	0547	TS, INFL	08/03/2006	N001	0.00 - 0.00	41260		#	-	-
	umhos/cm	0548	TS, EPND	08/03/2006	N001	0.00 - 0.00	37510		#	-	-
	umhos/cm	0557	WL	07/31/2006	N001	40.00 - 40.00	45460	F	#	-	-
	umhos/cm	0558	WL	08/01/2006	N001	36.00 - 36.00	72700	F	#	-	-
	umhos/cm	0559	WL	07/18/2006	N001	19.00 - 19.00	5547	F	#	-	-
	umhos/cm	0560	WL	08/01/2006	N001	31.00 - 31.00	87090	F	#	-	-
	umhos/cm	0561	WL	08/01/2006	N001	50.00 - 50.00	103800	F	#	-	-
	umhos/cm	0562	WL, PZ	07/27/2006	N001	1.80 - 1.80	907	QF	#	-	-
	umhos/cm	0563	WL, PZ	07/19/2006	N001	5.10 - 5.10	876	F	#	-	-
	umhos/cm	0564	WL, PZ	07/27/2006	N001	1.70 - 1.70	928	QF	#	-	-
	umhos/cm	0565	WL, PZ	07/19/2006	N001	4.50 - 4.50	1146	F	#	-	-
	umhos/cm	0570	WL, I&E	07/31/2006	N001	27.00 - 27.00	28750		#	-	-
	umhos/cm	0571	WL, I&E	07/31/2006	N001	37.00 - 37.00	32900		#	-	-
	umhos/cm	0572	WL, I&E	07/31/2006	N001	27.00 - 27.00	25710		#	-	-
	umhos/cm	0573	WL, I&E	07/31/2006	N001	37.00 - 37.00	32670		#	-	-
	umhos/cm	0575	WL, I&E	07/31/2006	N001	37.00 - 37.00	44100		#	-	-
	umhos/cm	0576	WL, I&E	07/31/2006	N001	27.00 - 27.00	33740		#	-	-
	umhos/cm	0577	WL, I&E	07/31/2006	N001	37.00 - 37.00	32760		#	-	-
	umhos/cm	0579	WL, I&E	07/31/2006	N001	37.00 - 37.00	5373		#	-	-
	umhos/cm	0580	WL	07/26/2006	N001	18.00 - 18.00	3282		#	-	-
	umhos/cm	0581	WL	07/25/2006	N001	18.00 - 18.00	18960		#	-	-
	umhos/cm	0582	WL	07/26/2006	N001	18.00 - 18.00	7756		#	-	-
	umhos/cm	0583	WL	07/25/2006	N001	18.00 - 18.00	6897		#	-	-
	umhos/cm	0584	WL	07/24/2006	N001	18.00 - 18.00	9210		#	-	-
	umhos/cm	0585	WL	07/24/2006	N001	18.00 - 18.00	12060		#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:				
				DATE	ID			LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0586	WL	07/24/2006	N001	18.00 - 18.00	19280			#	-	-
	umhos/cm	0587	WL	07/25/2006	N001	18.00 - 18.00	12900			#	-	-
	umhos/cm	0588	WL	07/19/2006	N001	26.00 - 26.00	11410	F		#	-	-
	umhos/cm	0588	WL	07/24/2006	N001	34.00 - 34.00	24630			#	-	-
	umhos/cm	0589	WL	07/20/2006	N001	44.00 - 44.00	96800	F		#	-	-
	umhos/cm	0589	WL	07/25/2006	N001	52.00 - 52.00	102400			#	-	-
	umhos/cm	0590	WL, PZ	07/24/2006	N001	1.50 - 1.50	4436	F		#	-	-
	umhos/cm	0591	WL, PZ	07/18/2006	N001	4.40 - 4.40	2727	F		#	-	-
	umhos/cm	0596	WL	08/01/2006	N001	24.00 - 24.00	9431	F		#	-	-
	umhos/cm	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	16930	F		#	-	-
	umhos/cm	0598	WL, PZ	07/25/2006	N001	9.60 - 9.60	18740	F		#	-	-
	umhos/cm	0599	WL, PZ	07/26/2006	N001	9.90 - 9.90	19150		QF	#	-	-
	umhos/cm	0600	WL	07/25/2006	N001	27.00 - 27.00	18860	F		#	-	-
	umhos/cm	0601	WL	07/24/2006	N001	27.00 - 27.00	15430	F		#	-	-
	umhos/cm	0602	WL	07/19/2006	N001	18.00 - 18.00	12430	F		#	-	-
	umhos/cm	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	3632	F		#	-	-
	umhos/cm	0604	WL, PZ	07/18/2006	N001	7.80 - 7.80	10490	F		#	-	-
	umhos/cm	0605	WL, PZ	07/26/2006	N001	9.90 - 9.90	2800		QF	#	-	-
	umhos/cm	0606	WL, PZ	07/18/2006	N001	9.80 - 9.80	4733	F		#	-	-
	umhos/cm	0607	WL, PZ	07/18/2006	N001	10.10 - 10.10	609	F		#	-	-
	umhos/cm	0608	WL, PZ	07/27/2006	N001	9.40 - 9.40	504		QF	#	-	-
	umhos/cm	0611	WL, PZ	07/27/2006	N001	2.70 - 2.70	1019		QF	#	-	-
	umhos/cm	0612	WL, PZ	07/26/2006	N001	4.80 - 4.80	984		QF	#	-	-
	umhos/cm	0614	WL, PZ	07/17/2006	N001	5.60 - 5.60	11980	F		#	-	-
	umhos/cm	0615	WL, PZ	07/27/2006	N001	1.90 - 1.90	1388		QF	#	-	-
	umhos/cm	0616	WL, PZ	07/26/2006	N001	5.80 - 5.80	1211		QF	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Specific Conductance	umhos/cm	0617	WL, PZ	07/27/2006	N001	2.20 - 2.20	17210	QF	#	-	-	
	umhos/cm	0618	WL, PZ	07/26/2006	N001	5.80 - 5.80	16690	QF	#	-	-	
	umhos/cm	0670	WL, EXT	07/14/2006	N001	40.00 - 40.00	21850		#	-	-	
	umhos/cm	0671	WL, EXT	07/14/2006	N001	40.00 - 40.00	29340		#	-	-	
	umhos/cm	0672	WL, EXT	07/14/2006	N001	40.00 - 40.00	38620		#	-	-	
	umhos/cm	0673	WL, EXT	07/14/2006	N001	40.00 - 40.00	44370		#	-	-	
	umhos/cm	0674	WL, EXT	07/14/2006	N001	40.00 - 40.00	37720		#	-	-	
	umhos/cm	0675	WL, EXT	07/14/2006	N001	40.00 - 40.00	32220		#	-	-	
	umhos/cm	0676	WL, EXT	07/14/2006	N001	40.00 - 40.00	23150		#	-	-	
	umhos/cm	0677	WL, EXT	07/14/2006	N001	40.00 - 40.00	28620		#	-	-	
	umhos/cm	0678	WL, EXT	07/14/2006	N001	40.00 - 40.00	25470		#	-	-	
	umhos/cm	0679	WL, EXT	07/14/2006	N001	40.00 - 40.00	24470		#	-	-	
	umhos/cm	0682	WL	07/26/2006	N001	28.00 - 28.00	21560	F	#	-	-	
	umhos/cm	0683	WL	07/26/2006	N001	27.00 - 27.00	19810	F	#	-	-	
	umhos/cm	0686	WL	07/17/2006	N001	18.00 - 18.00	5826	F	#	-	-	
	umhos/cm	0687	WL	07/19/2006	N001	28.00 - 28.00	21410	F	#	-	-	
	umhos/cm	0688	WL	07/26/2006	N001	31.00 - 31.00	32000	F	#	-	-	
	umhos/cm	0688	WL	07/26/2006	N002	39.00 - 39.00	57700	F	#	-	-	
	umhos/cm	0689	WL	07/26/2006	N001	54.00 - 54.00	117300	F	#	-	-	
	umhos/cm	0689	WL	07/26/2006	N002	46.00 - 46.00	119300	F	#	-	-	
	umhos/cm	0690	WL, PZ	07/24/2006	N001	3.30 - 3.30	504	F	#	-	-	
	umhos/cm	0691	WL, PZ	07/18/2006	N001	4.90 - 4.90	14350	F	#	-	-	
	umhos/cm	0692	WL, PZ	07/18/2006	N001	9.60 - 9.60	10650	F	#	-	-	
	umhos/cm	0693	WL, PZ	07/27/2006	N001	2.00 - 2.00	1680	QF	#	-	-	
	umhos/cm	0694	WL, PZ	07/18/2006	N001	4.30 - 4.30	3236	F	#	-	-	
	umhos/cm	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	17030	F	#	-	-	

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Specific Conductance	umhos/cm	0696	WL, PZ	07/27/2006	N001	1.80 - 1.80	1368	QF	#	-	-	
	umhos/cm	0697	WL, PZ	07/25/2006	N001	4.80 - 4.80	3561	F	#	-	-	
	umhos/cm	0698	WL, PZ	07/25/2006	N001	9.80 - 9.80	5382	QF	#	-	-	
	umhos/cm	CR1	SL, RIV	08/02/2006	N001	0.00 - 0.00	1553		#	-	-	
	umhos/cm	CR5	SL, RIV	08/02/2006	N001	0.00 - 0.00	1290		#	-	-	
	umhos/cm	SMI-PW01	WL	07/31/2006	N001	40.00 - 40.00	17450	F	#	-	-	
	umhos/cm	SMI-PW02	WL	08/03/2006	N001	55.00 - 55.00	68730		#	-	-	
	umhos/cm	SMI-PZ1D2	WL	07/31/2006	N001	73.00 - 73.00	109700	F	#	-	-	
	umhos/cm	SMI-PZ1M	WL	07/31/2006	N001	57.00 - 57.00	39930	F	#	-	-	
	umhos/cm	SMI-PZ1S	WL	07/31/2006	N001	18.00 - 18.00	23640	F	#	-	-	
Sulfate	mg/L	0216	SL, RIV	07/27/2006	0001	0.00 - 0.00	290		#	10	-	
	mg/L	0239	SL, RIV	07/27/2006	0001	0.00 - 0.00	280		#	10	-	
	mg/L	0240	SL, RIV	07/27/2006	0001	0.00 - 0.00	370		#	10	-	
	mg/L	0243	SL	07/27/2006	0001	0.00 - 0.00	280		#	10	-	
	mg/L	0245	SL, RIV	07/27/2006	0001	0.00 - 0.00	270		#	10	-	
	mg/L	0259	SL, RIV	07/27/2006	0001	0.00 - 0.00	270		#	10	-	
	mg/L	0259	SL, RIV	07/27/2006	0002	0.00 - 0.00	300		#	5	-	
	mg/L	0401	WL	08/02/2006	0001	18.00 - 18.00	5700	F	#	100	-	
	mg/L	0402	WL	08/02/2006	0001	17.00 - 17.00	6700	F	#	100	-	
	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	3280	F	#	50	-	
	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	3450	F	#	50	-	
	mg/L	0404	WL	08/02/2006	0001	18.00 - 18.00	8500	F	#	100	-	
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	6920	F	#	50	-	
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	231	F	#	1	-	
	mg/L	0408	WL	08/02/2006	0001	26.00 - 26.00	8500	F	#	100	-	
	mg/L	0470	WL, EXT	07/14/2006	0001	18.00 - 18.00	6200		#	100	-	

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0470	WL, EXT	07/14/2006	0002	18.00 - 18.00	6300	#	100	-
	mg/L	0471	WL, EXT	07/14/2006	0001	18.00 - 18.00	7100	#	100	-
	mg/L	0472	WL, EXT	07/14/2006	0001	18.00 - 18.00	4800	#	100	-
	mg/L	0473	WL, EXT	07/14/2006	0001	18.00 - 18.00	2900	#	50	-
	mg/L	0474	WL, EXT	07/14/2006	0001	18.00 - 18.00	2900	#	50	-
	mg/L	0475	WL, EXT	07/14/2006	0001	18.00 - 18.00	2600	#	50	-
	mg/L	0476	WL, EXT	07/14/2006	0001	18.00 - 18.00	2600	#	50	-
	mg/L	0477	WL, EXT	07/14/2006	0001	18.00 - 18.00	3600	#	50	-
	mg/L	0478	WL, EXT	07/14/2006	0001	23.00 - 23.00	5900	#	100	-
	mg/L	0479	WL, EXT	07/14/2006	0001	23.00 - 23.00	10000	#	100	-
	mg/L	0480	WL	08/01/2006	0001	18.00 - 18.00	4500	F #	100	-
	mg/L	0481	WL	08/01/2006	0001	28.00 - 28.00	8700	F #	50	-
	mg/L	0482	WL	08/01/2006	0001	58.00 - 58.00	6000	F #	100	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	1570	F #	10	-
	mg/L	0484	WL	08/01/2006	0001	28.00 - 28.00	9300	F #	50	-
	mg/L	0485	WL	08/01/2006	0001	58.00 - 58.00	6200	F #	100	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	10900	F #	50	-
	mg/L	0488	WL	07/26/2006	0001	39.00 - 39.00	11000	F #	100	-
	mg/L	0493	WL	07/31/2006	0001	54.00 - 54.00	14000	F #	2500	-
	mg/L	0493	WL	07/31/2006	0002	54.00 - 54.00	15000	F #	2500	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	12600	F #	50	-
	mg/L	0497	WL, PZ	07/25/2006	0001	4.80 - 4.80	8200	QF #	100	-
	mg/L	0547	TS, INFL	08/03/2006	0001	0.00 - 0.00	7300	#	50	-
	mg/L	0548	TS, EPND	08/03/2006	0001	0.00 - 0.00	7400	#	50	-
	mg/L	0557	WL	07/31/2006	0001	40.00 - 40.00	9100	F #	50	-
	mg/L	0558	WL	08/01/2006	0001	36.00 - 36.00	11000	F #	100	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	1970	F #	10	-
	mg/L	0560	WL	08/01/2006	0001	31.00 - 31.00	9100	F #	100	-
	mg/L	0561	WL	08/01/2006	0001	50.00 - 50.00	7600	F #	100	-
	mg/L	0562	WL, PZ	07/27/2006	0001	1.80 - 1.80	220	QF #	5	-
	mg/L	0563	WL, PZ	07/19/2006	0001	5.10 - 5.10	140	F #	1	-
	mg/L	0564	WL, PZ	07/27/2006	0001	1.70 - 1.70	270	QF #	10	-
	mg/L	0565	WL, PZ	07/19/2006	0001	4.50 - 4.50	192	F #	1	-
	mg/L	0570	WL, I&E	07/31/2006	0001	27.00 - 27.00	6400	#	1000	-
	mg/L	0571	WL, I&E	07/31/2006	0001	37.00 - 37.00	8400	#	50	-
	mg/L	0572	WL, I&E	07/31/2006	0001	27.00 - 27.00	7300	#	1000	-
	mg/L	0573	WL, I&E	07/31/2006	0001	37.00 - 37.00	8400	#	1000	-
	mg/L	0575	WL, I&E	07/31/2006	0001	37.00 - 37.00	7900	#	50	-
	mg/L	0576	WL, I&E	07/31/2006	0001	27.00 - 27.00	7900	#	1000	-
	mg/L	0577	WL, I&E	07/31/2006	0001	37.00 - 37.00	8200	#	50	-
	mg/L	0577	WL, I&E	07/31/2006	0002	37.00 - 37.00	8200	#	250	-
	mg/L	0579	WL, I&E	07/31/2006	0001	37.00 - 37.00	1400	#	25	-
	mg/L	0580	WL	07/26/2006	0001	18.00 - 18.00	1500	#	25	-
	mg/L	0581	WL	07/25/2006	0001	18.00 - 18.00	9000	#	100	-
	mg/L	0582	WL	07/26/2006	0001	18.00 - 18.00	3300	#	50	-
	mg/L	0583	WL	07/25/2006	0001	18.00 - 18.00	2900	#	50	-
	mg/L	0583	WL	07/25/2006	0002	18.00 - 18.00	2900	#	50	-
	mg/L	0584	WL	07/24/2006	0001	18.00 - 18.00	4000	#	50	-
	mg/L	0585	WL	07/24/2006	0001	18.00 - 18.00	5700	#	50	-
	mg/L	0586	WL	07/24/2006	0001	18.00 - 18.00	7400	#	100	-
	mg/L	0587	WL	07/25/2006	0001	18.00 - 18.00	5800	#	50	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	4190	F #	50	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY	
				DATE	ID			LAB	DATA	QA		DETECTION LIMIT
Sulfate	mg/L	0588	WL	07/24/2006	0001	34.00 - 34.00	6000			#	250	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	8150	F		#	250	-
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	8540	F		#	250	-
	mg/L	0589	WL	07/25/2006	0001	52.00 - 52.00	7700			#	50	-
	mg/L	0591	WL, PZ	07/18/2006	0001	4.40 - 4.40	1780	F		#	10	-
	mg/L	0596	WL	08/01/2006	0001	24.00 - 24.00	2300	F		#	250	-
	mg/L	0596	WL	08/01/2006	0002	24.00 - 24.00	2300	F		#	50	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	8540	F		#	50	-
	mg/L	0598	WL, PZ	07/25/2006	0001	9.60 - 9.60	8800	F		#	100	-
	mg/L	0599	WL, PZ	07/26/2006	0001	9.90 - 9.90	8700	QF		#	100	-
	mg/L	0600	WL	07/25/2006	0001	27.00 - 27.00	8800	F		#	100	-
	mg/L	0601	WL	07/24/2006	0001	27.00 - 27.00	6700	F		#	100	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	4960	F		#	50	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	1770	F		#	10	-
	mg/L	0604	WL, PZ	07/18/2006	0001	7.80 - 7.80	4210	F		#	50	-
	mg/L	0605	WL, PZ	07/26/2006	0001	9.90 - 9.90	620	QF		#	25	-
	mg/L	0606	WL, PZ	07/18/2006	0001	9.80 - 9.80	1790	F		#	10	-
	mg/L	0608	WL, PZ	07/27/2006	0001	9.40 - 9.40	240	QF		#	10	-
	mg/L	0611	WL, PZ	07/27/2006	0001	2.70 - 2.70	200	QF		#	5	-
	mg/L	0612	WL, PZ	07/26/2006	0001	4.80 - 4.80	200	QF		#	5	-
	mg/L	0615	WL, PZ	07/27/2006	0001	1.90 - 1.90	240	QF		#	5	-
	mg/L	0616	WL, PZ	07/26/2006	0001	5.80 - 5.80	170	QF		#	10	-
	mg/L	0617	WL, PZ	07/27/2006	0001	2.20 - 2.20	9500	QF		#	100	-
	mg/L	0618	WL, PZ	07/26/2006	0001	5.80 - 5.80	8900	QF		#	100	-
	mg/L	0670	WL, EXT	07/14/2006	0001	40.00 - 40.00	8300			#	100	-
	mg/L	0671	WL, EXT	07/14/2006	0001	40.00 - 40.00	7200			#	250	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY	
Sulfate	mg/L	0672	WL, EXT	07/14/2006	0001	40.00 - 40.00	7500		# 250	-	
	mg/L	0673	WL, EXT	07/14/2006	0001	40.00 - 40.00	9000		# 250	-	
	mg/L	0674	WL, EXT	07/14/2006	0001	40.00 - 40.00	9000		# 250	-	
	mg/L	0675	WL, EXT	07/14/2006	0001	40.00 - 40.00	9000		# 250	-	
	mg/L	0676	WL, EXT	07/14/2006	0001	40.00 - 40.00	8600		# 100	-	
	mg/L	0677	WL, EXT	07/14/2006	0001	40.00 - 40.00	9600		# 250	-	
	mg/L	0678	WL, EXT	07/14/2006	0001	40.00 - 40.00	8800		# 250	-	
	mg/L	0679	WL, EXT	07/14/2006	0001	40.00 - 40.00	10000		# 100	-	
	mg/L	0682	WL	07/26/2006	0001	28.00 - 28.00	9400	F	# 100	-	
	mg/L	0683	WL	07/26/2006	0001	27.00 - 27.00	8600	F	# 100	-	
	mg/L	0683	WL	07/26/2006	0002	27.00 - 27.00	9000	F	# 100	-	
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	2400	F	# 50	-	
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	9090	F	# 100	-	
	mg/L	0688	WL	07/26/2006	0001	30.60 - 40.60	11000	F	# 250	-	
	mg/L	0689	WL	07/26/2006	0001	46.00 - 56.00	5100	F	# 100	-	
	mg/L	0691	WL, PZ	07/18/2006	0001	4.90 - 4.90	4090	F	# 50	-	
	mg/L	0692	WL, PZ	07/18/2006	0001	9.60 - 9.60	6250	F	# 50	-	
	mg/L	0692	WL, PZ	07/26/2006	0001	9.60 - 9.60	7500	F	# 100	-	
	mg/L	0693	WL, PZ	07/27/2006	0001	2.00 - 2.00	1200	QF	# 25	-	
	mg/L	0694	WL, PZ	07/18/2006	0001	4.30 - 4.30	2900	F	# 25	-	
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	8000	F	# 50	-	
	mg/L	0696	WL, PZ	07/27/2006	0001	1.80 - 1.80	200	QF	# 10	-	
	mg/L	0697	WL, PZ	07/25/2006	0001	4.80 - 4.80	860	F	# 25	-	
	mg/L	0698	WL, PZ	07/25/2006	0001	9.80 - 9.80	2400	QF	# 50	-	
	mg/L		SMI-PW01	WL	07/31/2006	0001	40.00 - 40.00	7800	F	# 100	-
	mg/L		SMI-PW02	WL	08/03/2006	0001	20.04 - 60.04	7100		# 500	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	SMI-PZ1D2	WL	07/31/2006	0001	73.00 - 73.00	7700	F #	1000	-
	mg/L	SMI-PZ1M	WL	07/31/2006	0001	57.00 - 57.00	14000	F #	500	-
	mg/L	SMI-PZ1S	WL	07/31/2006	0001	18.00 - 18.00	9500	F #	250	-
Temperature	C	0216	SL, RIV	07/27/2006	N001	0.00 - 0.00	29.43	#	-	-
	C	0239	SL, RIV	07/27/2006	N001	0.00 - 0.00	28.49	#	-	-
	C	0240	SL, RIV	07/27/2006	N001	0.00 - 0.00	28.88	#	-	-
	C	0243	SL	07/27/2006	N001	0.00 - 0.00	25.74	#	-	-
	C	0245	SL, RIV	07/27/2006	N001	0.00 - 0.00	27.59	#	-	-
	C	0259	SL, RIV	07/27/2006	N001	0.00 - 0.00	25.49	#	-	-
	C	0401	WL	08/02/2006	N001	18.00 - 18.00	17.58	F #	-	-
	C	0402	WL	08/02/2006	N001	17.00 - 17.00	16.69	F #	-	-
	C	0403	WL	07/19/2006	N001	18.00 - 18.00	16.20	F #	-	-
	C	0404	WL	08/02/2006	N001	18.00 - 18.00	17.54	F #	-	-
	C	0405	WL	07/17/2006	N001	18.00 - 18.00	18.75	F #	-	-
	C	0407	WL	07/19/2006	N001	17.00 - 17.00	15.93	F #	-	-
	C	0408	WL	08/02/2006	N001	26.00 - 26.00	17.29	F #	-	-
	C	0470	WL, EXT	07/14/2006	N001	18.00 - 18.00	15.32	#	-	-
	C	0471	WL, EXT	07/14/2006	N001	18.00 - 18.00	15.30	#	-	-
	C	0472	WL, EXT	07/14/2006	N001	18.00 - 18.00	15.17	#	-	-
	C	0473	WL, EXT	07/14/2006	N001	18.00 - 18.00	15.87	#	-	-
	C	0474	WL, EXT	07/14/2006	N001	18.00 - 18.00	16.03	#	-	-
	C	0475	WL, EXT	07/14/2006	N001	18.00 - 18.00	15.46	#	-	-
	C	0476	WL, EXT	07/14/2006	N001	18.00 - 18.00	15.15	#	-	-
C	0477	WL, EXT	07/14/2006	N001	18.00 - 18.00	15.50	#	-	-	
C	0478	WL, EXT	07/14/2006	N001	23.00 - 23.00	15.67	#	-	-	
C	0479	WL, EXT	07/14/2006	N001	23.00 - 23.00	16.10	#	-	-	

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Temperature	C	0480	WL	08/01/2006	N001	18.00 - 18.00	17.17	F	#	-	-	
	C	0481	WL	08/01/2006	N001	28.00 - 28.00	17.75	F	#	-	-	
	C	0482	WL	08/01/2006	N001	58.00 - 58.00	17.78	F	#	-	-	
	C	0483	WL	07/18/2006	N001	18.00 - 18.00	19.79	F	#	-	-	
	C	0484	WL	08/01/2006	N001	28.00 - 28.00	17.64	F	#	-	-	
	C	0485	WL	08/01/2006	N001	58.00 - 58.00	19.73	F	#	-	-	
	C	0488	WL	07/17/2006	N001	26.00 - 26.00	20.78	F	#	-	-	
	C	0488	WL	07/26/2006	N001	39.00 - 39.00	19.22	F	#	-	-	
	C	0493	WL	07/31/2006	N001	54.00 - 54.00	17.40	F	#	-	-	
	C	0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	18.32	F	#	-	-	
	C	0496	WL, PZ	07/24/2006	N001	2.70 - 2.70	22.55	F	#	-	-	
	C	0497	WL, PZ	07/25/2006	N001	4.80 - 4.80	21.92	QF	#	-	-	
	C	0547	TS, INFL	08/03/2006	N001	0.00 - 0.00	18.74		#	-	-	
	C	0548	TS, EPND	08/03/2006	N001	0.00 - 0.00	22.05		#	-	-	
	C	0557	WL	07/31/2006	N001	40.00 - 40.00	18.77	F	#	-	-	
	C	0558	WL	08/01/2006	N001	36.00 - 36.00	20.41	F	#	-	-	
	C	0559	WL	07/18/2006	N001	19.00 - 19.00	16.70	F	#	-	-	
	C	0560	WL	08/01/2006	N001	31.00 - 31.00	19.88	F	#	-	-	
	C	0561	WL	08/01/2006	N001	50.00 - 50.00	21.83	F	#	-	-	
	C	0562	WL, PZ	07/27/2006	N001	1.80 - 1.80	26.18	QF	#	-	-	
	C	0563	WL, PZ	07/19/2006	N001	5.10 - 5.10	23.87	F	#	-	-	
	C	0564	WL, PZ	07/27/2006	N001	1.70 - 1.70	28.15	QF	#	-	-	
	C	0565	WL, PZ	07/19/2006	N001	4.50 - 4.50	25.84	F	#	-	-	
	C	0570	WL, I&E	07/31/2006	N001	27.00 - 27.00	18.68		#	-	-	
	C	0571	WL, I&E	07/31/2006	N001	37.00 - 37.00	21.84		#	-	-	
	C	0572	WL, I&E	07/31/2006	N001	27.00 - 27.00	21.44		#	-	-	

GENERAL WATER QUALITY DATA BY PARAMETER (USee205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: DETECTION UN-			
				DATE	ID			LAB DATA QA	LIMIT	CERTAINTY	
Temperature	C	0573	WL, I&E	07/31/2006	N001	37.00 - 37.00	23.06	#	-	-	
	C	0575	WL, I&E	07/31/2006	N001	37.00 - 37.00	19.95	#	-	-	
	C	0576	WL, I&E	07/31/2006	N001	27.00 - 27.00	23.69	#	-	-	
	C	0577	WL, I&E	07/31/2006	N001	37.00 - 37.00	20.59	#	-	-	
	C	0579	WL, I&E	07/31/2006	N001	37.00 - 37.00	23.48	#	-	-	
	C	0580	WL	07/26/2006	N001	18.00 - 18.00	17.44	#	-	-	
	C	0581	WL	07/25/2006	N001	18.00 - 18.00	20.85	#	-	-	
	C	0582	WL	07/26/2006	N001	18.00 - 18.00	16.35	#	-	-	
	C	0583	WL	07/25/2006	N001	18.00 - 18.00	19.14	#	-	-	
	C	0584	WL	07/24/2006	N001	18.00 - 18.00	19.65	#	-	-	
	C	0585	WL	07/24/2006	N001	18.00 - 18.00	17.13	#	-	-	
	C	0586	WL	07/24/2006	N001	18.00 - 18.00	17.82	#	-	-	
	C	0587	WL	07/25/2006	N001	18.00 - 18.00	17.74	#	-	-	
	C	0588	WL	07/19/2006	N001	26.00 - 26.00	17.30	F	#	-	-
	C	0588	WL	07/24/2006	N001	34.00 - 34.00	18.56	#	-	-	
	C	0589	WL	07/20/2006	N001	44.00 - 44.00	18.01	F	#	-	-
	C	0589	WL	07/25/2006	N001	52.00 - 52.00	18.15	#	-	-	
	C	0590	WL, PZ	07/24/2006	N001	1.50 - 1.50	29.55	F	#	-	-
	C	0591	WL, PZ	07/18/2006	N001	4.40 - 4.40	22.14	F	#	-	-
	C	0596	WL	08/01/2006	N001	24.00 - 24.00	17.75	F	#	-	-
	C	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	19.17	F	#	-	-
	C	0598	WL, PZ	07/25/2006	N001	9.60 - 9.60	18.10	F	#	-	-
	C	0599	WL, PZ	07/26/2006	N001	9.90 - 9.90	17.93	QF	#	-	-
	C	0600	WL	07/25/2006	N001	27.00 - 27.00	19.31	F	#	-	-
	C	0601	WL	07/24/2006	N001	27.00 - 27.00	17.84	F	#	-	-
	C	0602	WL	07/19/2006	N001	18.00 - 18.00	16.05	F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Temperature	C	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	20.68	F	#	-	-	
	C	0604	WL, PZ	07/18/2006	N001	7.80 - 7.80	18.93	F	#	-	-	
	C	0605	WL, PZ	07/26/2006	N001	9.90 - 9.90	22.16	QF	#	-	-	
	C	0606	WL, PZ	07/18/2006	N001	9.80 - 9.80	20.06	F	#	-	-	
	C	0607	WL, PZ	07/18/2006	N001	10.10 - 10.10	25.08	F	#	-	-	
	C	0608	WL, PZ	07/27/2006	N001	9.40 - 9.40	22.70	QF	#	-	-	
	C	0611	WL, PZ	07/27/2006	N001	2.70 - 2.70	26.84	QF	#	-	-	
	C	0612	WL, PZ	07/26/2006	N001	4.80 - 4.80	24.58	QF	#	-	-	
	C	0614	WL, PZ	07/17/2006	N001	5.60 - 5.60	20.53	F	#	-	-	
	C	0615	WL, PZ	07/27/2006	N001	1.90 - 1.90	27.63	QF	#	-	-	
	C	0616	WL, PZ	07/26/2006	N001	5.80 - 5.80	23.20	QF	#	-	-	
	C	0617	WL, PZ	07/27/2006	N001	2.20 - 2.20	25.94	QF	#	-	-	
	C	0618	WL, PZ	07/26/2006	N001	5.80 - 5.80	23.05	QF	#	-	-	
	C	0670	WL, EXT	07/14/2006	N001	40.00 - 40.00	15.47		#	-	-	
	C	0671	WL, EXT	07/14/2006	N001	40.00 - 40.00	15.65		#	-	-	
	C	0672	WL, EXT	07/14/2006	N001	40.00 - 40.00	15.84		#	-	-	
	C	0673	WL, EXT	07/14/2006	N001	40.00 - 40.00	15.80		#	-	-	
	C	0674	WL, EXT	07/14/2006	N001	40.00 - 40.00	16.09		#	-	-	
	C	0675	WL, EXT	07/14/2006	N001	40.00 - 40.00	15.89		#	-	-	
	C	0676	WL, EXT	07/14/2006	N001	40.00 - 40.00	15.87		#	-	-	
	C	0677	WL, EXT	07/14/2006	N001	40.00 - 40.00	16.28		#	-	-	
	C	0678	WL, EXT	07/14/2006	N001	40.00 - 40.00	15.88		#	-	-	
	C	0679	WL, EXT	07/14/2006	N001	40.00 - 40.00	16.44		#	-	-	
	C	0682	WL	07/26/2006	N001	28.00 - 28.00	19.21	F	#	-	-	
	C	0683	WL	07/26/2006	N001	27.00 - 27.00	20.52	F	#	-	-	
	C	0686	WL	07/17/2006	N001	18.00 - 18.00	18.31	F	#	-	-	

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Temperature	C	0687	WL	07/19/2006	N001	28.00 - 28.00	19.97	F	#	-	-
	C	0688	WL	07/26/2006	N001	31.00 - 31.00	20.92	F	#	-	-
	C	0688	WL	07/26/2006	N002	39.00 - 39.00	18.47	F	#	-	-
	C	0689	WL	07/26/2006	N001	54.00 - 54.00	20.04	F	#	-	-
	C	0689	WL	07/26/2006	N002	46.00 - 46.00	21.77	F	#	-	-
	C	0690	WL, PZ	07/24/2006	N001	3.30 - 3.30	25.49	F	#	-	-
	C	0691	WL, PZ	07/18/2006	N001	4.90 - 4.90	20.30	F	#	-	-
	C	0692	WL, PZ	07/18/2006	N001	9.60 - 9.60	19.46	F	#	-	-
	C	0693	WL, PZ	07/27/2006	N001	2.00 - 2.00	27.91	QF	#	-	-
	C	0694	WL, PZ	07/18/2006	N001	4.30 - 4.30	22.23	F	#	-	-
	C	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	18.80	F	#	-	-
	C	0696	WL, PZ	07/27/2006	N001	1.80 - 1.80	25.84	QF	#	-	-
	C	0697	WL, PZ	07/25/2006	N001	4.80 - 4.80	21.83	F	#	-	-
	C	0698	WL, PZ	07/25/2006	N001	9.80 - 9.80	22.62	QF	#	-	-
	C	CR1	SL, RIV	08/02/2006	N001	0.00 - 0.00	26.45		#	-	-
	C	CR5	SL, RIV	08/02/2006	N001	0.00 - 0.00	28.22		#	-	-
	C	SMI-PW01	WL	07/31/2006	N001	40.00 - 40.00	20.19	F	#	-	-
	C	SMI-PW02	WL	08/03/2006	N001	55.00 - 55.00	20.66		#	-	-
	C	SMI-PZ1D2	WL	07/31/2006	N001	73.00 - 73.00	18.69	F	#	-	-
	C	SMI-PZ1M	WL	07/31/2006	N001	57.00 - 57.00	18.46	F	#	-	-
C	SMI-PZ1S	WL	07/31/2006	N001	18.00 - 18.00	17.71	F	#	-	-	
Total Dissolved Solids	mg/L	0216	SL, RIV	07/27/2006	0001	0.00 - 0.00	770		#	20	-
	mg/L	0239	SL, RIV	07/27/2006	0001	0.00 - 0.00	760		#	20	-
	mg/L	0240	SL, RIV	07/27/2006	0001	0.00 - 0.00	960		#	40	-
	mg/L	0243	SL	07/27/2006	0001	0.00 - 0.00	780		#	20	-
	mg/L	0245	SL, RIV	07/27/2006	0001	0.00 - 0.00	810		#	20	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0259	SL, RIV	07/27/2006	0001	0.00 - 0.00	820		# 20	-
	mg/L	0259	SL, RIV	07/27/2006	0002	0.00 - 0.00	780		# 20	-
	mg/L	0401	WL	08/02/2006	0001	18.00 - 18.00	12000	F	# 400	-
	mg/L	0402	WL	08/02/2006	0001	17.00 - 17.00	14000	F	# 400	-
	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	7730	F	# 3.5	-
	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	7580	F	# 3.5	-
	mg/L	0404	WL	08/02/2006	0001	18.00 - 18.00	17000	F	# 400	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	13200	FJ	# 3.5	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	725	F	# 3.5	-
	mg/L	0408	WL	08/02/2006	0001	26.00 - 26.00	17000	F	# 400	-
	mg/L	0470	WL, EXT	07/14/2006	0001	18.00 - 18.00	14000		# 400	-
	mg/L	0470	WL, EXT	07/14/2006	0002	18.00 - 18.00	14000		# 400	-
	mg/L	0471	WL, EXT	07/14/2006	0001	18.00 - 18.00	17000		# 400	-
	mg/L	0472	WL, EXT	07/14/2006	0001	18.00 - 18.00	11000		# 400	-
	mg/L	0473	WL, EXT	07/14/2006	0001	18.00 - 18.00	5900		# 200	-
	mg/L	0474	WL, EXT	07/14/2006	0001	18.00 - 18.00	5700		# 200	-
	mg/L	0475	WL, EXT	07/14/2006	0001	18.00 - 18.00	5400		# 200	-
	mg/L	0476	WL, EXT	07/14/2006	0001	18.00 - 18.00	5400		# 200	-
	mg/L	0477	WL, EXT	07/14/2006	0001	18.00 - 18.00	7400		# 200	-
	mg/L	0478	WL, EXT	07/14/2006	0001	23.00 - 23.00	13000		# 400	-
	mg/L	0479	WL, EXT	07/14/2006	0001	23.00 - 23.00	21000		# 400	-
	mg/L	0480	WL	08/01/2006	0001	18.00 - 18.00	11000	F	# 400	-
	mg/L	0481	WL	08/01/2006	0001	28.00 - 28.00	24000	F	# 2000	-
	mg/L	0482	WL	08/01/2006	0001	58.00 - 58.00	87000	F	# 4000	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	3480	F	# 3.5	-
	mg/L	0484	WL	08/01/2006	0001	28.00 - 28.00	27000	F	# 2000	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Total Dissolved Solids	mg/L	0485	WL	08/01/2006	0001	58.00 - 58.00	86000	F	#		4000	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	17100	FJ	#		3.5	-
	mg/L	0488	WL	07/26/2006	0001	39.00 - 39.00	19000	F	#		400	-
	mg/L	0493	WL	07/31/2006	0001	54.00 - 54.00	31000	FJ	#		2000	-
	mg/L	0493	WL	07/31/2006	0002	54.00 - 54.00	32000	FJ	#		2000	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	21700	F	#		3.5	-
	mg/L	0497	WL, PZ	07/25/2006	0001	4.80 - 4.80	16000	QF	#		400	-
	mg/L	0547	TS, INFL	08/03/2006	0001	0.00 - 0.00	30000		#		2000	-
	mg/L	0548	TS, EPND	08/03/2006	0001	0.00 - 0.00	29000		#		2000	-
	mg/L	0557	WL	07/31/2006	0001	40.00 - 40.00	33000	FJ	#		2000	-
	mg/L	0558	WL	08/01/2006	0001	36.00 - 36.00	51000	F	#		2000	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	4060	F	#		3.5	-
	mg/L	0560	WL	08/01/2006	0001	31.00 - 31.00	62000	F	#		4000	-
	mg/L	0561	WL	08/01/2006	0001	50.00 - 50.00	77000	F	#		4000	-
	mg/L	0562	WL, PZ	07/27/2006	0001	1.80 - 1.80	590	QF	#		40	-
	mg/L	0563	WL, PZ	07/19/2006	0001	5.10 - 5.10	594	F	#		3.5	-
	mg/L	0564	WL, PZ	07/27/2006	0001	1.70 - 1.70	780	QF	#		40	-
	mg/L	0565	WL, PZ	07/19/2006	0001	4.50 - 4.50	678	FJ	#		3.5	-
	mg/L	0570	WL, I&E	07/31/2006	0001	27.00 - 27.00	21000	J	#		2000	-
	mg/L	0571	WL, I&E	07/31/2006	0001	37.00 - 37.00	25000	J	#		2000	-
	mg/L	0572	WL, I&E	07/31/2006	0001	27.00 - 27.00	20000	J	#		2000	-
	mg/L	0573	WL, I&E	07/31/2006	0001	37.00 - 37.00	25000	J	#		2000	-
	mg/L	0575	WL, I&E	07/31/2006	0001	37.00 - 37.00	32000	J	#		2000	-
	mg/L	0576	WL, I&E	07/31/2006	0001	27.00 - 27.00	24000	J	#		2000	-
	mg/L	0577	WL, I&E	07/31/2006	0001	37.00 - 37.00	24000	J	#		2000	-
	mg/L	0577	WL, I&E	07/31/2006	0002	37.00 - 37.00	24000	J	#		400	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Total Dissolved Solids	mg/L	0579	WL, I&E	07/31/2006	0001	37.00 - 37.00	3300	J	#	80	-
	mg/L	0580	WL	07/26/2006	0001	18.00 - 18.00	2900		#	80	-
	mg/L	0581	WL	07/25/2006	0001	18.00 - 18.00	18000		#	400	-
	mg/L	0582	WL	07/26/2006	0001	18.00 - 18.00	7100		#	200	-
	mg/L	0583	WL	07/25/2006	0001	18.00 - 18.00	5200		#	80	-
	mg/L	0583	WL	07/25/2006	0002	18.00 - 18.00	5200		#	80	-
	mg/L	0584	WL	07/24/2006	0001	18.00 - 18.00	7400		#	200	-
	mg/L	0585	WL	07/24/2006	0001	18.00 - 18.00	11000		#	200	-
	mg/L	0586	WL	07/24/2006	0001	18.00 - 18.00	17000		#	400	-
	mg/L	0587	WL	07/25/2006	0001	18.00 - 18.00	12000		#	200	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	9120	F	#	3.5	-
	mg/L	0588	WL	07/24/2006	0001	34.00 - 34.00	18000		#	400	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	65100	F	#	3.5	-
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	71000	F	#	3.5	-
	mg/L	0589	WL	07/25/2006	0001	52.00 - 52.00	79000		#	2000	-
	mg/L	0591	WL, PZ	07/18/2006	0001	4.40 - 4.40	3030	F	#	3.5	-
	mg/L	0596	WL	08/01/2006	0001	24.00 - 24.00	5500	F	#	400	-
	mg/L	0596	WL	08/01/2006	0002	24.00 - 24.00	5300	F	#	200	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	15200	F	#	3.5	-
	mg/L	0598	WL, PZ	07/25/2006	0001	9.60 - 9.60	16000	F	#	400	-
	mg/L	0599	WL, PZ	07/26/2006	0001	9.90 - 9.90	16000	QF	#	400	-
	mg/L	0600	WL	07/25/2006	0001	27.00 - 27.00	16000	F	#	400	-
	mg/L	0601	WL	07/24/2006	0001	27.00 - 27.00	12000	F	#	200	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	10800	F	#	3.5	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	2970	F	#	3.5	-
	mg/L	0604	WL, PZ	07/18/2006	0001	7.80 - 7.80	8070	F	#	3.5	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0605	WL, PZ	07/26/2006	0001	9.90 - 9.90	1500	QF #	80	-
	mg/L	0606	WL, PZ	07/18/2006	0001	9.80 - 9.80	3210	F #	3.5	-
	mg/L	0608	WL, PZ	07/27/2006	0001	9.40 - 9.40	1000	QF #	40	-
	mg/L	0611	WL, PZ	07/27/2006	0001	2.70 - 2.70	590	QF #	40	-
	mg/L	0612	WL, PZ	07/26/2006	0001	4.80 - 4.80	570	QF #	40	-
	mg/L	0615	WL, PZ	07/27/2006	0001	1.90 - 1.90	690	QF #	40	-
	mg/L	0616	WL, PZ	07/26/2006	0001	5.80 - 5.80	430	QF #	20	-
	mg/L	0617	WL, PZ	07/27/2006	0001	2.20 - 2.20	19000	QF #	400	-
	mg/L	0618	WL, PZ	07/26/2006	0001	5.80 - 5.80	17000	QF #	400	-
	mg/L	0670	WL, EXT	07/14/2006	0001	40.00 - 40.00	18000	#	400	-
	mg/L	0671	WL, EXT	07/14/2006	0001	40.00 - 40.00	22000	#	400	-
	mg/L	0672	WL, EXT	07/14/2006	0001	40.00 - 40.00	29000	#	1000	-
	mg/L	0673	WL, EXT	07/14/2006	0001	40.00 - 40.00	33000	#	1000	-
	mg/L	0674	WL, EXT	07/14/2006	0001	40.00 - 40.00	30000	#	1000	-
	mg/L	0675	WL, EXT	07/14/2006	0001	40.00 - 40.00	25000	#	400	-
	mg/L	0676	WL, EXT	07/14/2006	0001	40.00 - 40.00	19000	#	400	-
	mg/L	0677	WL, EXT	07/14/2006	0001	40.00 - 40.00	23000	#	400	-
	mg/L	0678	WL, EXT	07/14/2006	0001	40.00 - 40.00	21000	#	400	-
	mg/L	0679	WL, EXT	07/14/2006	0001	40.00 - 40.00	21000	#	400	-
	mg/L	0682	WL	07/26/2006	0001	28.00 - 28.00	19000	F #	400	-
	mg/L	0683	WL	07/26/2006	0001	27.00 - 27.00	17000	F #	400	-
	mg/L	0683	WL	07/26/2006	0002	27.00 - 27.00	17000	F #	400	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	5260	FJ #	3.5	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	18000	F #	3.5	-
	mg/L	0688	WL	07/26/2006	0001	30.60 - 40.60	26000	F #	1000	-
	mg/L	0689	WL	07/26/2006	0001	46.00 - 56.00	94000	F #	2000	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY	
				DATE	ID			LAB	DATA	QA		DETECTION LIMIT
Total Dissolved Solids	mg/L	0691	WL, PZ	07/18/2006	0001	4.90 - 4.90	9370	F	#	3.5	-	
	mg/L	0692	WL, PZ	07/26/2006	0001	9.60 - 9.60	15000	F	#	400	-	
	mg/L	0693	WL, PZ	07/27/2006	0001	2.00 - 2.00	2800	QF	#	80	-	
	mg/L	0694	WL, PZ	07/18/2006	0001	4.30 - 4.30	4360	F	#	3.5	-	
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	15400	F	#	3.5	-	
	mg/L	0696	WL, PZ	07/27/2006	0001	1.80 - 1.80	510	QF	#	40	-	
	mg/L	0697	WL, PZ	07/25/2006	0001	4.80 - 4.80	1800	F	#	80	-	
	mg/L	0698	WL, PZ	07/25/2006	0001	9.80 - 9.80	4600	QF	#	200	-	
	mg/L	SMI-PW01	WL	07/31/2006	0001	40.00 - 40.00	14000	FJ	#	400	-	
	mg/L	SMI-PW02	WL	08/03/2006	0001	20.04 - 60.04	49000		#	2000	-	
	mg/L	SMI-PZ1D2	WL	07/31/2006	0001	73.00 - 73.00	78000	FJ	#	2000	-	
	mg/L	SMI-PZ1M	WL	07/31/2006	0001	57.00 - 57.00	34000	FJ	#	1000	-	
	mg/L	SMI-PZ1S	WL	07/31/2006	0001	18.00 - 18.00	20000	FJ	#	400	-	
Total Inorganic Carbon	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	0.22	U	F	#	0.22	-
	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	96.0		F	#	0.22	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	103		F	#	0.22	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	72.8		F	#	0.22	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	0.22	U	F	#	0.22	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	131		F	#	0.22	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	304		F	#	0.22	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	73.8		F	#	0.22	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	79.9		F	#	0.22	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	77.8		F	#	0.22	-
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	52.0		F	#	0.22	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	92.7		F	#	0.22	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	55.8		F	#	0.22	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Total Inorganic Carbon	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	60.6	F #	0.22	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	54.8	F #	0.22	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	135	F #	0.22	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.22	U F #	0.22	-
Total Kjeldahl Nitrogen	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	72.9	FJ #	11.6	-
	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	68.9	FJ #	5.8	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	293	FJ #	46.4	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	27.3	FJ #	2.3	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	185	FJ #	23.2	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	771	FJ #	116	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	16.7	FJ #	2.3	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	66.0	FJ #	9.3	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	61.2	FJ #	9.3	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	902	FJ #	92.8	-
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	1040	FJ #	116	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	19.4	FJ #	1.2	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	169	FJ #	23.2	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	6.2	FJ #	1.2	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	335	FJ #	58	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	382	FJ #	58	-
	Total Organic Carbon	mg/L	0403	WL	07/19/2006	N001	18.00 - 18.00	23.7	U F #	23.7
mg/L		0403	WL	07/19/2006	N003	18.00 - 18.00	23.7	U F #	23.7	-
mg/L		0405	WL	07/17/2006	N001	18.00 - 18.00	23.7	U F #	23.7	-
mg/L		0407	WL	07/19/2006	N001	17.00 - 17.00	23.7	U F #	23.7	-
mg/L		0483	WL	07/18/2006	N001	18.00 - 18.00	23.7	U F #	23.7	-
mg/L		0488	WL	07/17/2006	N001	26.00 - 26.00	23.7	U F #	23.7	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Total Organic Carbon	mg/L	0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	39.1	B	F	#	23.7	-
	mg/L	0559	WL	07/18/2006	N001	19.00 - 19.00	23.7	U	F	#	23.7	-
	mg/L	0588	WL	07/19/2006	N001	26.00 - 26.00	23.7	U	F	#	23.7	-
	mg/L	0589	WL	07/20/2006	N001	44.00 - 44.00	23.7	U	F	#	23.7	-
	mg/L	0589	WL	07/20/2006	N003	44.00 - 44.00	23.7	U	F	#	23.7	-
	mg/L	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	23.7	U	F	#	23.7	-
	mg/L	0602	WL	07/19/2006	N001	18.00 - 18.00	23.7	U	F	#	23.7	-
	mg/L	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	23.7	U	F	#	23.7	-
	mg/L	0686	WL	07/17/2006	N001	18.00 - 18.00	23.7	U	F	#	23.7	-
	mg/L	0687	WL	07/19/2006	N001	28.00 - 28.00	23.7	U	F	#	23.7	-
	mg/L	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	23.7	U	F	#	23.7	-
	Total Suspended Solids	mg/L	CR1	SL, RIV	08/02/2006	0001	0.00 - 0.00	3200			#	130
mg/L		CR5	SL, RIV	08/02/2006	0001	0.00 - 0.00	2100			#	130	-
Turbidity	NTU	0401	WL	08/02/2006	N001	18.00 - 18.00	1.43		F	#	-	-
	NTU	0402	WL	08/02/2006	N001	17.00 - 17.00	3.74		F	#	-	-
	NTU	0403	WL	07/19/2006	N001	18.00 - 18.00	2.13		F	#	-	-
	NTU	0404	WL	08/02/2006	N001	18.00 - 18.00	1.87		F	#	-	-
	NTU	0405	WL	07/17/2006	N001	18.00 - 18.00	4.93		F	#	-	-
	NTU	0407	WL	07/19/2006	N001	17.00 - 17.00	2.12		F	#	-	-
	NTU	0408	WL	08/02/2006	N001	26.00 - 26.00	9.27		F	#	-	-
	NTU	0470	WL, EXT	07/14/2006	N001	18.00 - 18.00	0.83			#	-	-
	NTU	0471	WL, EXT	07/14/2006	N001	18.00 - 18.00	1.40			#	-	-
	NTU	0472	WL, EXT	07/14/2006	N001	18.00 - 18.00	0.88			#	-	-
	NTU	0473	WL, EXT	07/14/2006	N001	18.00 - 18.00	0.59			#	-	-
	NTU	0474	WL, EXT	07/14/2006	N001	18.00 - 18.00	1.54			#	-	-
	NTU	0475	WL, EXT	07/14/2006	N001	18.00 - 18.00	1.07			#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY	
				DATE	ID			LAB	DATA	QA			
Turbidity	NTU	0476	WL, EXT	07/14/2006	N001	18.00 - 18.00	0.92				#	-	-
	NTU	0477	WL, EXT	07/14/2006	N001	18.00 - 18.00	2.34				#	-	-
	NTU	0478	WL, EXT	07/14/2006	N001	23.00 - 23.00	2.34				#	-	-
	NTU	0479	WL, EXT	07/14/2006	N001	23.00 - 23.00	1.68				#	-	-
	NTU	0480	WL	08/01/2006	N001	18.00 - 18.00	0.65		F		#	-	-
	NTU	0481	WL	08/01/2006	N001	28.00 - 28.00	4.22		F		#	-	-
	NTU	0482	WL	08/01/2006	N001	58.00 - 58.00	5.54		F		#	-	-
	NTU	0483	WL	07/18/2006	N001	18.00 - 18.00	1.74		F		#	-	-
	NTU	0484	WL	08/01/2006	N001	28.00 - 28.00	3.74		F		#	-	-
	NTU	0485	WL	08/01/2006	N001	58.00 - 58.00	3.40		F		#	-	-
	NTU	0488	WL	07/17/2006	N001	26.00 - 26.00	3.24		F		#	-	-
	NTU	0488	WL	07/26/2006	N001	39.00 - 39.00	6.90		F		#	-	-
	NTU	0493	WL	07/31/2006	N001	54.00 - 54.00	2.35		F		#	-	-
	NTU	0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	1000	>	F		#	-	-
	NTU	0496	WL, PZ	07/24/2006	N001	2.70 - 2.70	351		F		#	-	-
	NTU	0497	WL, PZ	07/25/2006	N001	4.80 - 4.80	352		QF		#	-	-
	NTU	0547	TS, INFL	08/03/2006	N001	0.00 - 0.00	4.96				#	-	-
	NTU	0548	TS, EPND	08/03/2006	N001	0.00 - 0.00	9.92				#	-	-
	NTU	0557	WL	07/31/2006	N001	40.00 - 40.00	6.80		F		#	-	-
	NTU	0558	WL	08/01/2006	N001	36.00 - 36.00	2.33		F		#	-	-
	NTU	0559	WL	07/18/2006	N001	19.00 - 19.00	1.42		F		#	-	-
	NTU	0560	WL	08/01/2006	N001	31.00 - 31.00	3.03		F		#	-	-
	NTU	0561	WL	08/01/2006	N001	50.00 - 50.00	4.42		F		#	-	-
	NTU	0562	WL, PZ	07/27/2006	N001	1.80 - 1.80	1000	>	QF		#	-	-
	NTU	0563	WL, PZ	07/19/2006	N001	5.10 - 5.10	1000	>	F		#	-	-
	NTU	0564	WL, PZ	07/27/2006	N001	1.70 - 1.70	1000	>	QF		#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
				DATE	ID			LAB	DATA	QA		
Turbidity	NTU	0565	WL, PZ	07/19/2006	N001	4.50 - 4.50	1000	>	F	#	-	-
	NTU	0570	WL, I&E	07/31/2006	N001	27.00 - 27.00	6.71			#	-	-
	NTU	0571	WL, I&E	07/31/2006	N001	37.00 - 37.00	5.62			#	-	-
	NTU	0572	WL, I&E	07/31/2006	N001	27.00 - 27.00	18.2			#	-	-
	NTU	0573	WL, I&E	07/31/2006	N001	37.00 - 37.00	1.79			#	-	-
	NTU	0575	WL, I&E	07/31/2006	N001	37.00 - 37.00	1.79			#	-	-
	NTU	0576	WL, I&E	07/31/2006	N001	27.00 - 27.00	7.35			#	-	-
	NTU	0577	WL, I&E	07/31/2006	N001	37.00 - 37.00	7.35			#	-	-
	NTU	0579	WL, I&E	07/31/2006	N001	37.00 - 37.00	1.95			#	-	-
	NTU	0580	WL	07/26/2006	N001	18.00 - 18.00	3.91			#	-	-
	NTU	0581	WL	07/25/2006	N001	18.00 - 18.00	10.0			#	-	-
	NTU	0582	WL	07/26/2006	N001	18.00 - 18.00	5.56			#	-	-
	NTU	0583	WL	07/25/2006	N001	18.00 - 18.00	4.12			#	-	-
	NTU	0584	WL	07/24/2006	N001	18.00 - 18.00	7.34			#	-	-
	NTU	0585	WL	07/24/2006	N001	18.00 - 18.00	1.47			#	-	-
	NTU	0586	WL	07/24/2006	N001	18.00 - 18.00	3.26			#	-	-
	NTU	0587	WL	07/25/2006	N001	18.00 - 18.00	5.96			#	-	-
	NTU	0588	WL	07/19/2006	N001	26.00 - 26.00	0.89		F	#	-	-
	NTU	0588	WL	07/24/2006	N001	34.00 - 34.00	1.96			#	-	-
	NTU	0589	WL	07/20/2006	N001	44.00 - 44.00	1.87		F	#	-	-
	NTU	0589	WL	07/25/2006	N001	52.00 - 52.00	9.70			#	-	-
	NTU	0590	WL, PZ	07/24/2006	N001	1.50 - 1.50	1000	>	F	#	-	-
	NTU	0591	WL, PZ	07/18/2006	N001	4.40 - 4.40	1000	>	F	#	-	-
	NTU	0596	WL	08/01/2006	N001	24.00 - 24.00	0.84		F	#	-	-
	NTU	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	1000	>	F	#	-	-
	NTU	0598	WL, PZ	07/25/2006	N001	9.60 - 9.60	586		F	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0599	WL, PZ	07/26/2006	N001	9.90 - 9.90	1000	> QF #	-	-
	NTU	0600	WL	07/25/2006	N001	27.00 - 27.00	1.71	F #	-	-
	NTU	0601	WL	07/24/2006	N001	27.00 - 27.00	2.17	F #	-	-
	NTU	0602	WL	07/19/2006	N001	18.00 - 18.00	0.81	F #	-	-
	NTU	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	1000	> F #	-	-
	NTU	0604	WL, PZ	07/18/2006	N001	7.80 - 7.80	1000	> F #	-	-
	NTU	0605	WL, PZ	07/26/2006	N001	9.90 - 9.90	1000	> QF #	-	-
	NTU	0606	WL, PZ	07/18/2006	N001	9.80 - 9.80	1000	> F #	-	-
	NTU	0607	WL, PZ	07/18/2006	N001	10.10 - 10.10	1000	> F #	-	-
	NTU	0608	WL, PZ	07/27/2006	N001	9.40 - 9.40	1000	> QF #	-	-
	NTU	0611	WL, PZ	07/27/2006	N001	2.70 - 2.70	1000	> QF #	-	-
	NTU	0612	WL, PZ	07/26/2006	N001	4.80 - 4.80	1000	> QF #	-	-
	NTU	0614	WL, PZ	07/17/2006	N001	5.60 - 5.60	442	F #	-	-
	NTU	0615	WL, PZ	07/27/2006	N001	1.90 - 1.90	1000	> QF #	-	-
	NTU	0616	WL, PZ	07/26/2006	N001	5.80 - 5.80	1000	> QF #	-	-
	NTU	0617	WL, PZ	07/27/2006	N001	2.20 - 2.20	1000	> QF #	-	-
	NTU	0618	WL, PZ	07/26/2006	N001	5.80 - 5.80	1000	> QF #	-	-
	NTU	0670	WL, EXT	07/14/2006	N001	40.00 - 40.00	5.79	#	-	-
	NTU	0671	WL, EXT	07/14/2006	N001	40.00 - 40.00	1.62	#	-	-
	NTU	0672	WL, EXT	07/14/2006	N001	40.00 - 40.00	1.03	#	-	-
	NTU	0673	WL, EXT	07/14/2006	N001	40.00 - 40.00	3.05	#	-	-
	NTU	0674	WL, EXT	07/14/2006	N001	40.00 - 40.00	1.29	#	-	-
	NTU	0675	WL, EXT	07/14/2006	N001	40.00 - 40.00	1.25	#	-	-
	NTU	0676	WL, EXT	07/14/2006	N001	40.00 - 40.00	0.86	#	-	-
	NTU	0677	WL, EXT	07/14/2006	N001	40.00 - 40.00	5.00	#	-	-
	NTU	0678	WL, EXT	07/14/2006	N001	40.00 - 40.00	0.56	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY	
				DATE	ID			LAB	DATA	QA			
Turbidity	NTU	0679	WL, EXT	07/14/2006	N001	40.00 - 40.00	5.26				#	-	-
	NTU	0682	WL	07/26/2006	N001	28.00 - 28.00	3.32	F			#	-	-
	NTU	0683	WL	07/26/2006	N001	27.00 - 27.00	1.24	F			#	-	-
	NTU	0686	WL	07/17/2006	N001	18.00 - 18.00	2.16	F			#	-	-
	NTU	0687	WL	07/19/2006	N001	28.00 - 28.00	5.30	F			#	-	-
	NTU	0688	WL	07/26/2006	N001	31.00 - 31.00	4.23	F			#	-	-
	NTU	0688	WL	07/26/2006	N002	39.00 - 39.00	1.28	F			#	-	-
	NTU	0689	WL	07/26/2006	N001	54.00 - 54.00	3.46	F			#	-	-
	NTU	0689	WL	07/26/2006	N002	46.00 - 46.00	2.80	F			#	-	-
	NTU	0690	WL, PZ	07/24/2006	N001	3.30 - 3.30	1000	>	F		#	-	-
	NTU	0691	WL, PZ	07/18/2006	N001	4.90 - 4.90	1000	>	F		#	-	-
	NTU	0692	WL, PZ	07/18/2006	N001	9.60 - 9.60	716		F		#	-	-
	NTU	0693	WL, PZ	07/27/2006	N001	2.00 - 2.00	1000	>	QF		#	-	-
	NTU	0694	WL, PZ	07/18/2006	N001	4.30 - 4.30	1000	>	F		#	-	-
	NTU	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	660		F		#	-	-
	NTU	0696	WL, PZ	07/27/2006	N001	1.80 - 1.80	1000	>	QF		#	-	-
	NTU	0697	WL, PZ	07/25/2006	N001	4.80 - 4.80	148		F		#	-	-
	NTU	0698	WL, PZ	07/25/2006	N001	9.80 - 9.80	1000	>	QF		#	-	-
	NTU	SMI-PW01	WL	07/31/2006	N001	40.00 - 40.00	8.13		F		#	-	-
	NTU	SMI-PW02	WL	08/03/2006	N001	55.00 - 55.00	2.74				#	-	-
NTU	SMI-PZ1D2	WL	07/31/2006	N001	73.00 - 73.00	5.22		F		#	-	-	
NTU	SMI-PZ1M	WL	07/31/2006	N001	57.00 - 57.00	1.86		F		#	-	-	
NTU	SMI-PZ1S	WL	07/31/2006	N001	18.00 - 18.00	3.79		F		#	-	-	
Uranium	mg/L	0216	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.0092				#	3.1E-06	-
	mg/L	0239	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.0088				#	3.1E-06	-
	mg/L	0240	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.071				#	1.6E-05	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0243	SL	07/27/2006	0001	0.00 - 0.00	0.0089	#	3.1E-06	-
	mg/L	0245	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.009	#	3.1E-06	-
	mg/L	0259	SL, RIV	07/27/2006	0001	0.00 - 0.00	0.009	#	3.1E-06	-
	mg/L	0259	SL, RIV	07/27/2006	0002	0.00 - 0.00	0.0092	#	3.1E-06	-
	mg/L	0401	WL	08/02/2006	0001	18.00 - 18.00	3.200	F #	0.00031	-
	mg/L	0402	WL	08/02/2006	0001	17.00 - 17.00	3.300	F #	0.00031	-
	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	1.240	F #	0.0042	-
	mg/L	0403	WL	07/19/2006	0003	18.00 - 18.00	1.210	F #	0.0042	-
	mg/L	0404	WL	08/02/2006	0001	18.00 - 18.00	3.100	F #	0.00031	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	2.520	F #	0.021	-
	mg/L	0407	WL	07/19/2006	0001	17.00 - 17.00	0.0917	F #	0.00021	-
	mg/L	0408	WL	08/02/2006	0001	26.00 - 26.00	4.000	F #	0.00031	-
	mg/L	0470	WL, EXT	07/14/2006	0001	18.00 - 18.00	2.200	#	0.00016	-
	mg/L	0470	WL, EXT	07/14/2006	0002	18.00 - 18.00	2.300	#	0.00016	-
	mg/L	0471	WL, EXT	07/14/2006	0001	18.00 - 18.00	2.300	#	0.00031	-
	mg/L	0472	WL, EXT	07/14/2006	0001	18.00 - 18.00	1.800	#	0.00016	-
	mg/L	0473	WL, EXT	07/14/2006	0001	18.00 - 18.00	1.300	#	0.00016	-
	mg/L	0474	WL, EXT	07/14/2006	0001	18.00 - 18.00	1.200	#	0.00016	-
	mg/L	0475	WL, EXT	07/14/2006	0001	18.00 - 18.00	1.100	#	0.00016	-
	mg/L	0476	WL, EXT	07/14/2006	0001	18.00 - 18.00	1.100	#	0.00016	-
	mg/L	0477	WL, EXT	07/14/2006	0001	18.00 - 18.00	1.600	#	0.00016	-
	mg/L	0478	WL, EXT	07/14/2006	0001	23.00 - 23.00	2.200	#	0.00016	-
	mg/L	0479	WL, EXT	07/14/2006	0001	23.00 - 23.00	4.600	#	0.00031	-
	mg/L	0480	WL	08/01/2006	0001	18.00 - 18.00	2.000	F #	0.00031	-
	mg/L	0481	WL	08/01/2006	0001	28.00 - 28.00	3.700	F #	0.00031	-
	mg/L	0482	WL	08/01/2006	0001	58.00 - 58.00	0.670	F #	3.1E-05	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Uranium	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	0.424	F	#	0.0042	-
	mg/L	0484	WL	08/01/2006	0001	28.00 - 28.00	3.000	F	#	0.00031	-
	mg/L	0485	WL	08/01/2006	0001	58.00 - 58.00	0.630	F	#	3.1E-05	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	2.560	F	#	0.021	-
	mg/L	0488	WL	07/26/2006	0001	39.00 - 39.00	2.500	F	#	0.00016	-
	mg/L	0493	WL	07/31/2006	0001	54.00 - 54.00	3.500	F	#	0.00031	-
	mg/L	0493	WL	07/31/2006	0002	54.00 - 54.00	3.400	F	#	0.00031	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	12.700	F	#	0.021	-
	mg/L	0497	WL, PZ	07/25/2006	0001	4.80 - 4.80	1.200	QF	#	0.00016	-
	mg/L	0547	TS, INFL	08/03/2006	0001	0.00 - 0.00	2.700		#	0.00031	-
	mg/L	0548	TS, EPND	08/03/2006	0001	0.00 - 0.00	2.500		#	0.00031	-
	mg/L	0557	WL	07/31/2006	0001	40.00 - 40.00	3.000	F	#	0.00031	-
	mg/L	0558	WL	08/01/2006	0001	36.00 - 36.00	2.500	F	#	0.00031	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	0.647	F	#	0.0052	-
	mg/L	0560	WL	08/01/2006	0001	31.00 - 31.00	1.600	F	#	0.00031	-
	mg/L	0561	WL	08/01/2006	0001	50.00 - 50.00	1.000	F	#	0.00031	-
	mg/L	0563	WL, PZ	07/27/2006	0001	5.10 - 5.10	0.018	F	#	3.1E-06	-
	mg/L	0570	WL, I&E	07/31/2006	0001	27.00 - 27.00	2.200		#	0.00031	-
	mg/L	0571	WL, I&E	07/31/2006	0001	37.00 - 37.00	2.700		#	0.00031	-
	mg/L	0572	WL, I&E	07/31/2006	0001	27.00 - 27.00	3.000		#	0.00031	-
	mg/L	0573	WL, I&E	07/31/2006	0001	37.00 - 37.00	2.800		#	0.00031	-
	mg/L	0575	WL, I&E	07/31/2006	0001	37.00 - 37.00	2.400		#	0.00031	-
	mg/L	0576	WL, I&E	07/31/2006	0001	27.00 - 27.00	2.700		#	0.00031	-
	mg/L	0577	WL, I&E	07/31/2006	0001	37.00 - 37.00	2.500		#	0.00031	-
	mg/L	0577	WL, I&E	07/31/2006	0002	37.00 - 37.00	2.700		#	0.00031	-
	mg/L	0579	WL, I&E	07/31/2006	0001	37.00 - 37.00	0.540		#	0.00016	-

GENERAL WATER QUALITY DATA BY PARAMETER (USee205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			UN-CERTAINTY
				DATE	ID			LAB	DATA	QA	
Uranium	mg/L	0580	WL	07/26/2006	0001	18.00 - 18.00	0.330		#	0.00016	-
	mg/L	0581	WL	07/25/2006	0001	18.00 - 18.00	4.400		#	0.0016	-
	mg/L	0582	WL	07/26/2006	0001	18.00 - 18.00	1.300		#	0.00016	-
	mg/L	0583	WL	07/25/2006	0001	18.00 - 18.00	1.600		#	0.00016	-
	mg/L	0583	WL	07/25/2006	0002	18.00 - 18.00	1.500		#	0.00016	-
	mg/L	0584	WL	07/24/2006	0001	18.00 - 18.00	2.100		#	0.00031	-
	mg/L	0585	WL	07/24/2006	0001	18.00 - 18.00	2.700		#	0.00031	-
	mg/L	0586	WL	07/24/2006	0001	18.00 - 18.00	3.400		#	0.00031	-
	mg/L	0587	WL	07/25/2006	0001	18.00 - 18.00	2.700		#	0.00031	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	1.630	F	#	0.0052	-
	mg/L	0588	WL	07/24/2006	0001	34.00 - 34.00	1.700		#	0.00016	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	1.320	F	#	0.021	-
	mg/L	0589	WL	07/20/2006	0003	44.00 - 44.00	1.300	F	#	0.021	-
	mg/L	0589	WL	07/25/2006	0001	52.00 - 52.00	1.600		#	6.3E-05	-
	mg/L	0591	WL, PZ	07/18/2006	0001	4.40 - 4.40	0.110	F	#	0.0042	-
	mg/L	0596	WL	08/01/2006	0001	24.00 - 24.00	0.710	F	#	0.00016	-
	mg/L	0596	WL	08/01/2006	0002	24.00 - 24.00	0.730	F	#	0.00016	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	1.870	F	#	0.021	-
	mg/L	0598	WL, PZ	07/25/2006	0001	9.60 - 9.60	2.200	F	#	0.00016	-
	mg/L	0599	WL, PZ	07/26/2006	0001	9.90 - 9.90	1.700	QF	#	0.00031	-
	mg/L	0600	WL	07/25/2006	0001	27.00 - 27.00	3.500	F	#	0.00031	-
	mg/L	0601	WL	07/24/2006	0001	27.00 - 27.00	2.500	F	#	0.00031	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	2.330	F	#	0.021	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	0.0318	F	#	0.0042	-
	mg/L	0605	WL, PZ	07/26/2006	0001	9.90 - 9.90	0.200	QF	#	1.6E-05	-
	mg/L	0606	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.0187	B F	#	0.0052	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0611	WL, PZ	07/27/2006	0001	2.70 - 2.70	0.002	QF #	3.1E-06	-
	mg/L	0612	WL, PZ	07/26/2006	0001	4.80 - 4.80	0.0069	QF #	3.1E-06	-
	mg/L	0616	WL, PZ	07/26/2006	0001	5.80 - 5.80	0.100	QF #	1.6E-05	-
	mg/L	0617	WL, PZ	07/27/2006	0001	2.20 - 2.20	1.200	QF #	0.00016	-
	mg/L	0618	WL, PZ	07/26/2006	0001	5.80 - 5.80	1.400	QF #	0.00016	-
	mg/L	0670	WL, EXT	07/14/2006	0001	40.00 - 40.00	3.100	#	0.00031	-
	mg/L	0671	WL, EXT	07/14/2006	0001	40.00 - 40.00	2.700	#	0.00031	-
	mg/L	0672	WL, EXT	07/14/2006	0001	40.00 - 40.00	2.500	#	0.00016	-
	mg/L	0673	WL, EXT	07/14/2006	0001	40.00 - 40.00	2.500	#	0.00031	-
	mg/L	0674	WL, EXT	07/14/2006	0001	40.00 - 40.00	3.000	#	0.00031	-
	mg/L	0675	WL, EXT	07/14/2006	0001	40.00 - 40.00	3.000	#	0.00031	-
	mg/L	0676	WL, EXT	07/14/2006	0001	40.00 - 40.00	2.600	#	0.00031	-
	mg/L	0677	WL, EXT	07/14/2006	0001	40.00 - 40.00	3.100	#	0.00031	-
	mg/L	0678	WL, EXT	07/14/2006	0001	40.00 - 40.00	3.700	#	0.00031	-
	mg/L	0679	WL, EXT	07/14/2006	0001	40.00 - 40.00	3.900	#	0.00031	-
	mg/L	0682	WL	07/26/2006	0001	28.00 - 28.00	3.100	F #	0.00031	-
	mg/L	0683	WL	07/26/2006	0001	27.00 - 27.00	2.500	F #	0.00031	-
	mg/L	0683	WL	07/26/2006	0002	27.00 - 27.00	2.800	F #	0.00016	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	1.290	F #	0.0042	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	2.690	F #	0.021	-
	mg/L	0688	WL	07/26/2006	0001	30.60 - 40.60	3.300	F #	0.00031	-
	mg/L	0689	WL	07/26/2006	0001	46.00 - 56.00	0.340	F #	1.6E-05	-
	mg/L	0691	WL, PZ	07/26/2006	0001	4.90 - 4.90	2.100	F #	0.00016	-
	mg/L	0692	WL, PZ	07/26/2006	0001	9.60 - 9.60	0.830	F #	0.00016	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	1.550	F #	0.021	-
	mg/L	0697	WL, PZ	07/25/2006	0001	4.80 - 4.80	0.500	F #	0.00016	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0698	WL, PZ	07/25/2006	0001	9.80 - 9.80	0.0012	QF #	3.1E-06	-
	mg/L	SMI-PW01	WL	07/31/2006	0001	40.00 - 40.00	2.100	F #	0.00031	-
	mg/L	SMI-PW02	WL	08/03/2006	0001	20.04 - 60.04	2.300	#	0.00016	-
	mg/L	SMI-PZ1D2	WL	07/31/2006	0001	73.00 - 73.00	1.300	F #	0.00016	-
	mg/L	SMI-PZ1M	WL	07/31/2006	0001	57.00 - 57.00	3.800	F #	0.00031	-
	mg/L	SMI-PZ1S	WL	07/31/2006	0001	18.00 - 18.00	4.500	F #	0.00031	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/19/2006 11:57 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
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RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%N%' AND data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #7/14/2006# and #8/3/2006#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: SL SURFACE LOCATION TS TREATMENT SYSTEM WL WELL

LOCATION SUBTYPES: EPND Evaporation Pond EXT Extraction Well I&E Dual Purpose Injection and Ex INFL Treatment System Influent
 PZ Piezometer RIV River

LAB QUALIFIERS:

- * Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

DATA QUALIFIERS:

- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- R Unusable result.
- G Possible grout contamination, pH > 9.
- N Presumptive evidence that analyte is present. The analyte is "tentatively identified".
- U Parameter analyzed for but was not detected.
- J Estimated value.
- Q Qualitative result due to sampling technique
- X Location is undefined.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

Environmental Sciences Laboratory
Water Quality Data

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:08 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Biochemical Oxygen Dema	mg/L	0403	WL	07/19/2006	N001	18.00 - 18.00	1.67		0.1	-
	mg/L	0405	WL	07/17/2006	N001	18.00 - 18.00	0.44		0.1	-
	mg/L	0407	WL	07/19/2006	N005	17.00 - 17.00	1.99		0.1	-
	mg/L	0483	WL	07/18/2006	N001	18.00 - 18.00	0.00		0.1	-
	mg/L	0488	WL	07/17/2006	N001	26.00 - 26.00	0.61		0.1	-
	mg/L	0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	3.39		0.1	-
	mg/L	0559	WL	07/18/2006	N001	19.00 - 19.00	0.79		0.1	-
	mg/L	0588	WL	07/19/2006	N001	26.00 - 26.00	0.79		0.1	-
	mg/L	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	1.93		0.1	-
	mg/L	0602	WL	07/19/2006	N001	18.00 - 18.00	0.44		0.1	-
	mg/L	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	3.8		0.1	-
	mg/L	0604	WL, PZ	07/19/2006	N005	7.80 - 7.80	0.13		0.1	-
	mg/L	0686	WL	07/17/2006	N001	18.00 - 18.00	0.50		0.1	-
	mg/L	0687	WL	07/19/2006	N001	28.00 - 28.00	0.45		0.1	-
	mg/L	0692	WL, PZ	07/19/2006	N005	9.60 - 9.60	2.33		0.1	-
	mg/L	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	0.45		0.1	-
	Denitrifying Bacteria	cfu/mL	0403	WL	07/19/2006	N001	18.00 - 18.00	50000		10000
cfu/mL		0405	WL	07/17/2006	N001	18.00 - 18.00	50000		10000	-
cfu/mL		0407	WL	07/19/2006	N005	17.00 - 17.00	50000		10000	-
cfu/mL		0483	WL	07/18/2006	N001	18.00 - 18.00	50000		10000	-
cfu/mL		0488	WL	07/17/2006	N001	26.00 - 26.00	50000		10000	-
cfu/mL		0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	10000		10000	-
cfu/mL		0559	WL	07/18/2006	N001	19.00 - 19.00	50000		10000	-
cfu/mL		0563	WL, PZ	07/19/2006	N001	5.10 - 5.10	200000		10000	-
cfu/mL		0565	WL, PZ	07/20/2006	N005	4.50 - 4.50	200000		10000	-
cfu/mL		0588	WL	07/19/2006	N001	26.00 - 26.00	50000		10000	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:08 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Denitrifying Bacteria	cfu/mL	0589	WL	07/20/2006	N001	44.00 - 44.00	50000		10000	-
	cfu/mL	0591	WL, PZ	07/19/2006	N005	4.40 - 4.40	10000	U	10000	-
	cfu/mL	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	200000		10000	-
	cfu/mL	0602	WL	07/19/2006	N001	18.00 - 18.00	50000		10000	-
	cfu/mL	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	10000	U	10000	-
	cfu/mL	0604	WL, PZ	07/19/2006	N005	7.80 - 7.80	200000		10000	-
	cfu/mL	0606	WL, PZ	07/19/2006	N005	9.80 - 9.80	200000		10000	-
	cfu/mL	0686	WL	07/17/2006	N001	18.00 - 18.00	50000		10000	-
	cfu/mL	0687	WL	07/19/2006	N001	28.00 - 28.00	50000		10000	-
	cfu/mL	0691	WL, PZ	07/19/2006	N005	4.90 - 4.90	200000		10000	-
	cfu/mL	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	10000		10000	-
	Iron	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	0.05		0.03
mg/L		0405	WL	07/17/2006	0001	18.00 - 18.00	0.06		0.03	-
mg/L		0407	WL	07/19/2006	0005	17.00 - 17.00	0.52		0.03	-
mg/L		0483	WL	07/18/2006	0001	18.00 - 18.00	0.03	U	0.03	-
mg/L		0488	WL	07/17/2006	0001	26.00 - 26.00	0.06		0.03	-
mg/L		0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	0.07		0.03	-
mg/L		0559	WL	07/18/2006	0001	19.00 - 19.00	0.07		0.03	-
mg/L		0563	WL, PZ	07/19/2006	0001	5.10 - 5.10	0.17		0.03	-
mg/L		0565	WL, PZ	07/20/2006	0005	4.50 - 4.50	0.03	U	0.03	-
mg/L		0588	WL	07/19/2006	0001	26.00 - 26.00	0.04		0.03	-
mg/L		0589	WL	07/20/2006	0001	44.00 - 44.00	0.07		0.03	-
mg/L		0591	WL, PZ	07/19/2006	0005	4.40 - 4.40	0.10		0.03	-
mg/L		0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.10		0.03	-
mg/L		0602	WL	07/19/2006	0001	18.00 - 18.00	0.03		0.03	-
mg/L		0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	0.03	U	0.03	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:08 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	SAMPLE: ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Iron	mg/L	0604	WL, PZ	07/19/2006	0005	7.80 - 7.80	0.19		0.03	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	0.04		0.03	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	0.06		0.03	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.32		0.03	-
Iron Related Bacteria	cfu/mL	0403	WL	07/19/2006	N001	18.00 - 18.00	500		25	-
	cfu/mL	0405	WL	07/17/2006	N001	18.00 - 18.00	35000		25	-
	cfu/mL	0407	WL	07/19/2006	N005	17.00 - 17.00	35000		25	-
	cfu/mL	0483	WL	07/18/2006	N001	18.00 - 18.00	9000		25	-
	cfu/mL	0488	WL	07/17/2006	N001	26.00 - 26.00	35000		25	-
	cfu/mL	0559	WL	07/18/2006	N001	19.00 - 19.00	9000		25	-
	cfu/mL	0563	WL, PZ	07/19/2006	N001	5.10 - 5.10	35000		25	-
	cfu/mL	0565	WL, PZ	07/20/2006	N005	4.50 - 4.50	9000		25	-
	cfu/mL	0588	WL	07/19/2006	N001	26.00 - 26.00	35000		25	-
	cfu/mL	0589	WL	07/20/2006	N001	44.00 - 44.00	35000		25	-
	cfu/mL	0591	WL, PZ	07/19/2006	N005	4.40 - 4.40	35000		25	-
	cfu/mL	0602	WL	07/19/2006	N001	18.00 - 18.00	35000		25	-
	cfu/mL	0604	WL, PZ	07/19/2006	N005	7.80 - 7.80	35000		25	-
	cfu/mL	0606	WL, PZ	07/19/2006	N005	9.80 - 9.80	35000		25	-
	cfu/mL	0686	WL	07/17/2006	N001	18.00 - 18.00	35000		25	-
	cfu/mL	0687	WL	07/19/2006	N001	28.00 - 28.00	35000		25	-
	cfu/mL	0691	WL, PZ	07/19/2006	N005	4.90 - 4.90	35000		25	-
	Nitrifying Bacteria	cfu/mL	0403	WL	07/19/2006	N001	18.00 - 18.00	100000		1000
cfu/mL		0405	WL	07/17/2006	N001	18.00 - 18.00	10000		1000	-
cfu/mL		0407	WL	07/19/2006	N005	17.00 - 17.00	1000		1000	-
cfu/mL		0483	WL	07/18/2006	N001	18.00 - 18.00	10000		1000	-
cfu/mL		0488	WL	07/17/2006	N001	26.00 - 26.00	10000		1000	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:08 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Nitrifying Bacteria	cfu/mL	0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	1000	U	1000	-
	cfu/mL	0559	WL	07/18/2006	N001	19.00 - 19.00	100000		1000	-
	cfu/mL	0563	WL, PZ	07/19/2006	N001	5.10 - 5.10	1000	U	1000	-
	cfu/mL	0565	WL, PZ	07/20/2006	N005	4.50 - 4.50	1000	U	1000	-
	cfu/mL	0588	WL	07/19/2006	N001	26.00 - 26.00	100000		1000	-
	cfu/mL	0589	WL	07/20/2006	N001	44.00 - 44.00	1000	U	1000	-
	cfu/mL	0591	WL, PZ	07/19/2006	N005	4.40 - 4.40	100000		1000	-
	cfu/mL	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	100000		1000	-
	cfu/mL	0602	WL	07/19/2006	N001	18.00 - 18.00	100000		1000	-
	cfu/mL	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	1000		1000	-
	cfu/mL	0604	WL, PZ	07/19/2006	N005	7.80 - 7.80	100000		1000	-
	cfu/mL	0606	WL, PZ	07/19/2006	N005	9.80 - 9.80	10000		1000	-
	cfu/mL	0686	WL	07/17/2006	N001	18.00 - 18.00	100000		1000	-
	cfu/mL	0687	WL	07/19/2006	N001	28.00 - 28.00	1000		1000	-
	cfu/mL	0691	WL, PZ	07/19/2006	N005	4.90 - 4.90	100000		1000	-
	cfu/mL	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	100000		1000	-
Nitrite as Nitrogen	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	0.010		0.005	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	0.012		0.005	-
	mg/L	0407	WL	07/19/2006	0005	17.00 - 17.00	0.005	U	0.005	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	0.015		0.005	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	0.016		0.005	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	0.023		0.005	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	0.005		0.005	-
	mg/L	0563	WL, PZ	07/19/2006	0001	5.10 - 5.10	0.005	U	0.005	-
	mg/L	0565	WL, PZ	07/20/2006	0005	4.50 - 4.50	0.005	U	0.005	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	0.008		0.005	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:08 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Nitrite as Nitrogen	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	0.016		0.005	-
	mg/L	0591	WL, PZ	07/19/2006	0005	4.40 - 4.40	0.277		0.005	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.920		0.005	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	0.013		0.005	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	0.210		0.005	-
	mg/L	0604	WL, PZ	07/19/2006	0005	7.80 - 7.80	0.660		0.005	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	0.007		0.005	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	0.014		0.005	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.260		0.005	-
ortho-Phosphate	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	1.1		0.3	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	0.5		0.3	-
	mg/L	0407	WL	07/19/2006	0005	17.00 - 17.00	1.3		0.3	-
	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	1.6		0.3	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	0.3	U	0.3	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	4.2		0.3	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	0.3	U	0.3	-
	mg/L	0563	WL, PZ	07/19/2006	0001	5.10 - 5.10	2.1		0.3	-
	mg/L	0565	WL, PZ	07/20/2006	0005	4.50 - 4.50	0.8		0.3	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	1.2		0.3	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	0.3	U	0.3	-
	mg/L	0591	WL, PZ	07/19/2006	0005	4.40 - 4.40	0.8		0.3	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.8		0.3	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	1.8		0.3	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	0.4		0.3	-
	mg/L	0604	WL, PZ	07/19/2006	0005	7.80 - 7.80	0.3	U	0.3	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	1.1		0.3	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:08 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
ortho-Phosphate	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	0.9		0.3	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	1.6		0.3	-
Sulfate Reducing Bacteria	cfu/mL	0403	WL	07/19/2006	N001	18.00 - 18.00	700000		200	-
	cfu/mL	0405	WL	07/17/2006	N001	18.00 - 18.00	700000		200	-
	cfu/mL	0407	WL	07/19/2006	N005	17.00 - 17.00	700000		200	-
	cfu/mL	0483	WL	07/18/2006	N001	18.00 - 18.00	700000		200	-
	cfu/mL	0488	WL	07/17/2006	N001	26.00 - 26.00	700000		200	-
	cfu/mL	0495	WL, PZ	07/18/2006	N001	5.10 - 5.10	100000		200	-
	cfu/mL	0559	WL	07/18/2006	N001	19.00 - 19.00	100000		200	-
	cfu/mL	0563	WL, PZ	07/19/2006	N001	5.10 - 5.10	100000		200	-
	cfu/mL	0565	WL, PZ	07/20/2006	N005	4.50 - 4.50	700000		200	-
	cfu/mL	0588	WL	07/19/2006	N001	26.00 - 26.00	100000		200	-
	cfu/mL	0589	WL	07/20/2006	N001	44.00 - 44.00	200	U	200	-
	cfu/mL	0591	WL, PZ	07/19/2006	N005	4.40 - 4.40	700000		200	-
	cfu/mL	0597	WL, PZ	07/18/2006	N001	9.80 - 9.80	100000		200	-
	cfu/mL	0602	WL	07/19/2006	N001	18.00 - 18.00	700000		200	-
	cfu/mL	0603	WL, PZ	07/18/2006	N001	9.70 - 9.70	700000		200	-
	cfu/mL	0604	WL, PZ	07/19/2006	N005	7.80 - 7.80	18000		200	-
	cfu/mL	0606	WL, PZ	07/19/2006	N005	9.80 - 9.80	700000		200	-
	cfu/mL	0686	WL	07/17/2006	N001	18.00 - 18.00	700000		200	-
	cfu/mL	0687	WL	07/19/2006	N001	28.00 - 28.00	18000		200	-
	cfu/mL	0691	WL, PZ	07/19/2006	N005	4.90 - 4.90	200	U	200	-
cfu/mL	0695	WL, PZ	07/18/2006	N001	9.80 - 9.80	18000		200	-	
Sulfide	mg/L	0403	WL	07/19/2006	0001	18.00 - 18.00	0.01	U	0.01	-
	mg/L	0405	WL	07/17/2006	0001	18.00 - 18.00	0.01	U	0.01	-
	mg/L	0407	WL	07/19/2006	0005	17.00 - 17.00	0.01		0.01	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:08 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:				
				DATE	ID			LAB	DATA	QA	DETECTION LIMIT	UN-CERTAINTY
Sulfide	mg/L	0483	WL	07/18/2006	0001	18.00 - 18.00	0.01				0.01	-
	mg/L	0488	WL	07/17/2006	0001	26.00 - 26.00	0.01				0.01	-
	mg/L	0495	WL, PZ	07/18/2006	0001	5.10 - 5.10	0.01				0.01	-
	mg/L	0559	WL	07/18/2006	0001	19.00 - 19.00	0.01				0.01	-
	mg/L	0563	WL, PZ	07/19/2006	0001	5.10 - 5.10	0.01				0.01	-
	mg/L	0565	WL, PZ	07/20/2006	0005	4.50 - 4.50	0.02				0.01	-
	mg/L	0588	WL	07/19/2006	0001	26.00 - 26.00	0.01				0.01	-
	mg/L	0589	WL	07/20/2006	0001	44.00 - 44.00	0.01	U			0.01	-
	mg/L	0591	WL, PZ	07/19/2006	0005	4.40 - 4.40	0.01	U			0.01	-
	mg/L	0597	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.01	U			0.01	-
	mg/L	0602	WL	07/19/2006	0001	18.00 - 18.00	0.01				0.01	-
	mg/L	0603	WL, PZ	07/18/2006	0001	9.70 - 9.70	0.01	U			0.01	-
	mg/L	0604	WL, PZ	07/19/2006	0005	7.80 - 7.80	0.01				0.01	-
	mg/L	0686	WL	07/17/2006	0001	18.00 - 18.00	0.02				0.01	-
	mg/L	0687	WL	07/19/2006	0001	28.00 - 28.00	0.01				0.01	-
	mg/L	0695	WL, PZ	07/18/2006	0001	9.80 - 9.80	0.01	U			0.01	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:08 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
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RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND (quality_assurance IS NULL OR quality_assurance = FALSE) AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%N%' AND data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #7/13/2006# and #8/4/2006#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LOCATION SUBTYPES: PZ Piezometer

LAB QUALIFIERS:

- * Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

DATA QUALIFIERS:

- | | | |
|--|--|--|
| F Low flow sampling method used. | G Possible grout contamination, pH > 9. | J Estimated value. |
| L Less than 3 bore volumes purged prior to sampling. | N Presumptive evidence that analyte is present. The analyte is "tentatively identified". | Q Qualitative result due to sampling technique |
| R Unusable result. | U Parameter analyzed for but was not detected. | X Location is undefined. |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

Water Level Data

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:09 am

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0401	O	3969.60	08/02/2006	10:00	16.82	3952.78	
0402	O	3968.63	08/02/2006	08:58	16.10	3952.53	
0403	O	3968.95	07/19/2006	09:22	16.17	3952.78	
0404	O	3968.30	08/02/2006	10:30	15.93	3952.37	
0405	O	3968.47	07/17/2006	14:40	14.05	3954.42	
0407	O	3969.09	07/19/2006	08:16	16.64	3952.45	
0408	O	3969.17	08/02/2006	09:30	16.65	3952.52	
0437	O	4048.25	07/19/2006	09:17	90.79	3957.46	
0438	O	4054.22	07/19/2006	08:00	96.65	3957.57	
0439	O	4055.27	07/19/2006	08:31	98.22	3957.05	
0470		3964.12	07/14/2006	09:50	11.88	3952.24	
0471		3964.37	07/14/2006	09:40	12.35	3952.02	
0472		3964.40	07/14/2006	09:25	11.82	3952.58	
0473		3964.66	07/14/2006	09:15	12.25	3952.41	
0474		3964.99	07/14/2006	09:05	11.97	3953.02	
0475		3964.97	07/14/2006	08:55	12.97	3952.00	
0476		3965.24	07/14/2006	08:40	13.63	3951.61	
0477		3965.08	07/14/2006	08:31	12.43	3952.65	
0478		3964.91	07/14/2006	08:15	15.09	3949.82	
0479		3964.67	07/14/2006	08:05	12.45	3952.22	
0480		3968.65	08/01/2006	09:40	16.88	3951.77	
0481		3968.83	08/01/2006	08:30	16.61	3952.22	
0482		3968.70	08/01/2006	08:00	17.30	3951.40	
0483		3968.90	07/18/2006	15:56	16.35	3952.55	
0484		3969.19	08/01/2006	10:07	17.15	3952.04	
0485		3968.81	08/01/2006	11:12	16.80	3952.01	
0488		3968.48	07/17/2006	13:55	13.93	3954.55	
		3968.48	07/26/2006	16:15	14.52	3953.96	
0493		3967.89	07/31/2006	07:50	14.22	3953.67	
0494		3959.27	07/24/2006	08:39	-	-	D

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:09 am

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0495		3957.81	07/17/2006	08:36	3.46	3954.35	
0496		3957.48	07/24/2006	08:52	3.54	3953.94	
0497		3955.66	07/24/2006	09:00	1.87	3953.79	
0557		3968.85	07/31/2006	11:20	16.31	3952.54	
0558		3968.79	08/01/2006	10:38	16.70	3952.09	
0559		3969.92	07/18/2006	16:03	17.16	3952.76	
0560		3968.77	08/01/2006	15:33	16.45	3952.32	
0561		3968.56	08/01/2006	13:50	16.81	3951.75	
0562		3956.29	07/26/2006	10:30	1.20	3955.09	
0563		3955.05	07/17/2006	10:38	2.75	3952.30	
0564		3956.39	07/24/2006	11:18	3.89	3952.50	
0565		3954.05	07/17/2006	10:49	2.08	3951.97	
0570		3965.22	07/31/2006	13:50	25.61	3939.61	
0571		3964.89	07/31/2006	14:00	11.95	3952.94	
0572		3965.14	07/31/2006	14:20	26.84	3938.30	
0573		3965.15	07/31/2006	14:30	12.72	3952.43	
0575		3965.01	07/31/2006	14:45	25.31	3939.70	
0576		3965.15	07/31/2006	14:56	12.45	3952.70	
0577		3965.10	07/31/2006	15:06	19.90	3945.20	
0579		3965.11	07/31/2006	15:30	12.34	3952.77	
0580		3969.32	07/26/2006	11:10	16.93	3952.39	
0581		3969.02	07/25/2006	15:00	16.15	3952.87	
0582		3969.65	07/26/2006	10:42	16.82	3952.83	
0583		3969.64	07/25/2006	14:00	16.52	3953.12	
0584		3969.13	07/24/2006	15:21	15.89	3953.24	
0585		3969.36	07/24/2006	14:24	16.25	3953.11	
0586		3969.20	07/24/2006	13:33	16.20	3953.00	
0587		3968.89	07/25/2006	13:17	15.88	3953.01	
0588		3968.82	07/19/2006	16:17	15.78	3953.04	
		3968.82	07/24/2006	15:48	15.93	3952.89	

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:09 am

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0589		3968.87	07/20/2006	08:05	15.45	3953.42	
		3968.87	07/25/2006	13:35	15.63	3953.24	
0590		3956.70	07/24/2006	10:41	3.39	3953.31	
0591		3953.99	07/17/2006	10:05	3.17	3950.82	
0596		3968.76	08/01/2006	14:55	16.51	3952.25	
0597		3959.67	07/17/2006	08:28	5.68	3953.99	
0598		3957.38	07/24/2006	08:42	3.49	3953.89	
0599		3955.93	07/25/2006	08:40	2.47	3953.46	
0600		3968.77	07/25/2006	14:30	15.83	3952.94	
0601		3968.73	07/24/2006	14:00	15.50	3953.23	
0602		3969.40	07/19/2006	15:21	16.24	3953.16	
0603		3955.39	07/17/2006	10:00	2.30	3953.09	
0604		3958.11	07/17/2006	09:41	5.20	3952.91	
0605		3956.10	07/25/2006	10:35	4.53	3951.57	
0606		3956.13	07/17/2006	10:30	2.89	3953.24	
0607		3955.20	07/17/2006	11:00	4.00	3951.20	
0608		3956.34	07/24/2006	11:25	2.77	3953.57	
0611		3955.90	07/25/2006	11:00	3.68	3952.22	
0612		3955.77	07/24/2006	10:54	3.82	3951.95	
0613		3957.11	07/24/2006	10:49	4.20	3952.91	
0615		3957.10	07/25/2006	10:32	4.15	3952.95	
0616		3955.26	07/25/2006	10:40	2.39	3952.87	
0617		3956.76	07/24/2006	09:09	3.10	3953.66	
0618		3954.96	07/25/2006	08:47	1.83	3953.13	
0670		3969.54	07/14/2006	12:28	16.24	3953.30	
0671		3969.50	07/14/2006	12:22	16.69	3952.81	
0672		3969.57	07/14/2006	12:15	17.08	3952.49	
0673		3969.44	07/14/2006	12:10	17.21	3952.23	
0674		3969.49	07/14/2006	12:05	17.00	3952.49	
0675		3969.64	07/14/2006	12:00	16.63	3953.01	

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
 REPORT DATE: 10/16/2006 10:09 am

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0676		3969.69	07/14/2006	11:48	16.33	3953.36	
0677		3969.61	07/14/2006	11:40	16.19	3953.42	
0678		3969.65	07/14/2006	11:30	15.89	3953.76	
0679		3969.59	07/14/2006	11:20	15.72	3953.87	
0682		3970.18	07/26/2006	15:06	17.58	3952.60	
0683		3970.73	07/26/2006	15:30	17.70	3953.03	
0686		3968.85	07/17/2006	15:45	15.34	3953.51	
0687		3969.09	07/19/2006	13:32	16.25	3952.84	
0688		3968.66	07/26/2006	14:30	16.14	3952.52	
0689		3968.66	07/26/2006	13:52	15.99	3952.67	
0690		3958.92	07/24/2006	10:06	3.12	3955.80	
0691		3959.21	07/17/2006	08:55	6.00	3953.21	
0692		3959.43	07/17/2006	09:00	6.57	3952.86	
0693		3957.31	07/24/2006	09:53	4.19	3953.12	
0694		3956.83	07/17/2006	09:15	3.43	3953.40	
0695		3956.42	07/17/2006	09:20	3.77	3952.65	
0696		3957.18	07/24/2006	09:45	3.84	3953.34	
0697		3956.12	07/24/2006	09:30	2.93	3953.19	
0698		3956.01	07/24/2006	09:40	3.65	3952.36	
ATP-2-D	O	3967.05	07/18/2006	13:46	14.71	3952.34	
ATP-2-S	O	3967.04	07/18/2006	13:16	12.12	3954.92	
SMI-PW01	O	3968.45	07/31/2006	09:53	14.30	3954.15	
SMI-PW02	O	3967.48	07/26/2006	07:45	16.93	3950.55	
SMI-PZ1D2	O	3968.26	07/31/2006	09:24	15.50	3952.76	
SMI-PZ1M	O	3968.29	07/31/2006	08:58	14.15	3954.14	
SMI-PZ1S	O	3969.13	07/31/2006	08:36	15.65	3953.48	
TP-02	O	3975.55	07/13/2006	10:11	19.58	3955.97	

RECORDS: SELECTED FROM USEE700 WHERE site_code='MOA01' AND LOG_DATE between #7/13/2006# and #8/4/2006#

FLOW CODES: O ON-SITE

WATER LEVEL FLAGS:
D Dry

Blanks Report

BLANKS REPORT

LAB CODE: PAR, PARAGON (Fort Collins, CO)

LAB REQUISITION(S): 06070424

REPORT DATE: 10/10/06 01:59:55: PM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	SAMPLE ID	UNITS	RESULT	QUALIFIERS LAB DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
Ammonia Total as N	MOA01	0999	07/25/2006	0001	mg/L	0.1	U	0.1		E
Ammonia Total as N	MOA01	0999	07/26/2006	0001	mg/L	0.1	U	0.1		E
Ammonia Total as N	MOA01	0999	07/31/2006	0001	mg/L	0.1	U	0.1		E
Ammonia Total as N	MOA01	0999	08/01/2006	0001	mg/L	0.12	U	0.1		E
Bromide	MOA01	0999	07/25/2006	0001	mg/L	0.2	U	0.2		E
Bromide	MOA01	0999	07/26/2006	0001	mg/L	0.2	U	0.2		E
Bromide	MOA01	0999	07/31/2006	0001	mg/L	0.2	U	0.2		E
Bromide	MOA01	0999	08/01/2006	0001	mg/L	0.2	U	0.2		E
Chloride	MOA01	0999	07/25/2006	0001	mg/L	0.2	U	0.2		E
Chloride	MOA01	0999	07/26/2006	0001	mg/L	0.2	U	0.2		E
Chloride	MOA01	0999	07/31/2006	0001	mg/L	0.2	U	0.2		E
Chloride	MOA01	0999	08/01/2006	0001	mg/L	0.2	U	0.2		E
Sulfate	MOA01	0999	07/25/2006	0001	mg/L	0.5	U	0.5		E
Sulfate	MOA01	0999	07/26/2006	0001	mg/L	0.5	U	0.5		E
Sulfate	MOA01	0999	07/31/2006	0001	mg/L	0.5	U	0.5		E
Sulfate	MOA01	0999	08/01/2006	0001	mg/L	0.5	U	0.5		E
Total Dissolved Solids	MOA01	0999	07/25/2006	0001	mg/L	20	U	20		E
Total Dissolved Solids	MOA01	0999	07/26/2006	0001	mg/L	20	U	20		E
Total Dissolved Solids	MOA01	0999	07/31/2006	0001	mg/L	20	U J	20		E
Total Dissolved Solids	MOA01	0999	08/01/2006	0001	mg/L	20	U	20		E
Uranium	MOA01	0999	07/25/2006	0001	mg/L	0.000053	B	0.0000031		E
Uranium	MOA01	0999	07/26/2006	0001	mg/L	0.000044	B	0.0000031		E
Uranium	MOA01	0999	07/31/2006	0001	mg/L	0.000037	B	0.0000031		E
Uranium	MOA01	0999	08/01/2006	0001	mg/L	0.000041	B	0.0000031		E

BLANKS REPORT

LAB CODE: MSP, MICROSEEPS LABORATORY (Pittsburgh, PA)

LAB REQUISITION(S): 06070426

REPORT DATE: 10/16/06 09:51:53: AM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	SAMPLE ID	UNITS	RESULT	QUALIFIERS LAB DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
Carbon Dioxide	MOA01	0999	07/19/2006	0004	mg/L	0.92	J	0.39		E
Dissolved Oxygen	MOA01	0999	07/19/2006	0004	mg/L	5.7		0.05		E
Iron (II)	MOA01	0999	07/19/2006	0004	mg/L	1	U	0.1		E
Manganese (II)	MOA01	0999	07/19/2006	0004	mg/L	1	U	0.1		E
Methane	MOA01	0999	07/19/2006	0004	ug/L	0.36		0.014		E
Nitrogen, Total	MOA01	0999	07/19/2006	0004	mg/L	10		0.1		E

BLANKS REPORT

LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)

LAB REQUISITION(S): 06070425

REPORT DATE: 10/16/06 09:36:38: AM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	SAMPLE ID	UNITS	RESULT	QUALIFIERS LAB DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
Ammonia Total as N	MOA01	0999	07/19/2006	0001	mg/L	0.0055	U	0.0055		E
Bromide	MOA01	0999	07/19/2006	0001	mg/L	0.05	U	0.05		E
Chemical Oxygen Demand	MOA01	0999	07/19/2006	0001	mg/L	9.2	U	9.2		E
Chloride	MOA01	0999	07/19/2006	0001	mg/L	0.053	B J	0.023		E
Iron	MOA01	0999	07/19/2006	0001	mg/L	0.025	U	0.025		E
Manganese	MOA01	0999	07/19/2006	0001	mg/L	0.00034	UN	0.00034		E
Nitrate + Nitrite as Nitrogen	MOA01	0999	07/19/2006	0001	mg/L	0.0031	U	0.0031		E
Phosphorus	MOA01	0999	07/19/2006	0001	mg/L	0.0199	B	0.0101		E
Selenium	MOA01	0999	07/19/2006	0001	mg/L	0.001	U	0.001		E
Sulfate	MOA01	0999	07/19/2006	0001	mg/L	0.17	B	0.05		E
Total Dissolved Solids	MOA01	0999	07/19/2006	0001	mg/L	34		3.5		E
Total Inorganic Carbon	MOA01	0999	07/19/2006	0001	mg/L	0.22	U	0.22		E
Total Kjeldahl Nitrogen	MOA01	0999	07/19/2006	0001	mg/L	0.59	J	0.058		E
Total Organic Carbon	MOA01	0999	07/19/2006	N001	mg/L	23.7	U	23.7		E
Uranium	MOA01	0999	07/19/2006	0001	mg/L	0.00021	U	0.00021		E

BLANKS REPORT

LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)

LAB REQUISITION(S): 06070425

REPORT DATE: 10/16/06 09:36:38: AM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	ID	UNITS	RESULT	QUALIFIERS LAB DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
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SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- * Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

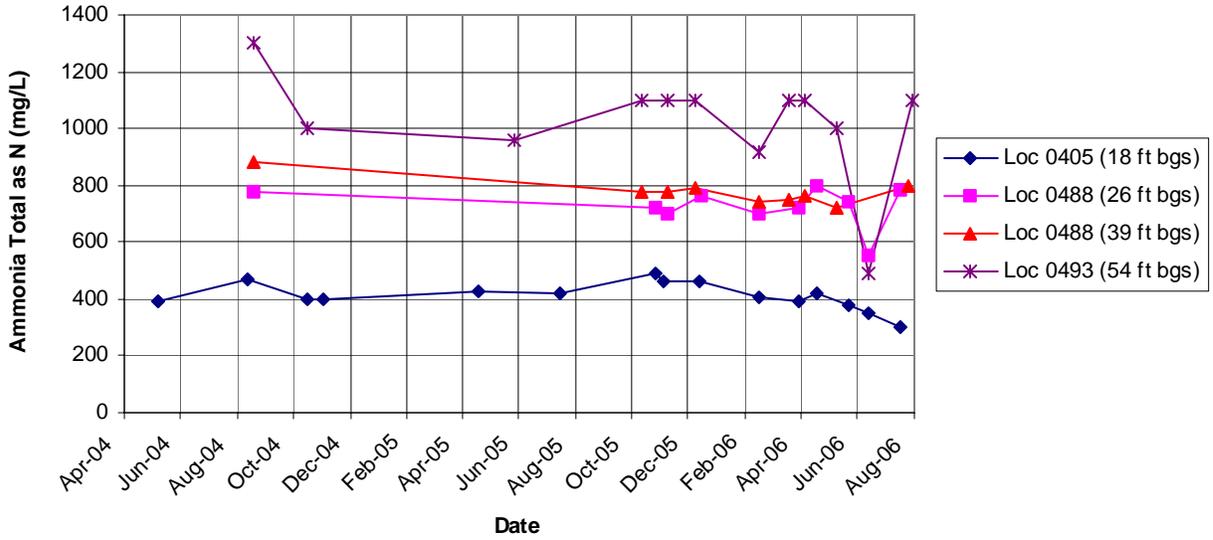
- | | | |
|--|--|--|
| J Estimated value. | F Low flow sampling method used. | G Possible grout contamination, pH > 9. |
| L Less than 3 bore volumes purged prior to sampling. | R Unusable result. | X Location is undefined. |
| U Parameter analyzed for but was not detected. | Q Qualitative result due to sampling technique | N Presumptive evidence that analyte is present. The analyte is "tentatively identified". |

SAMPLE TYPES:

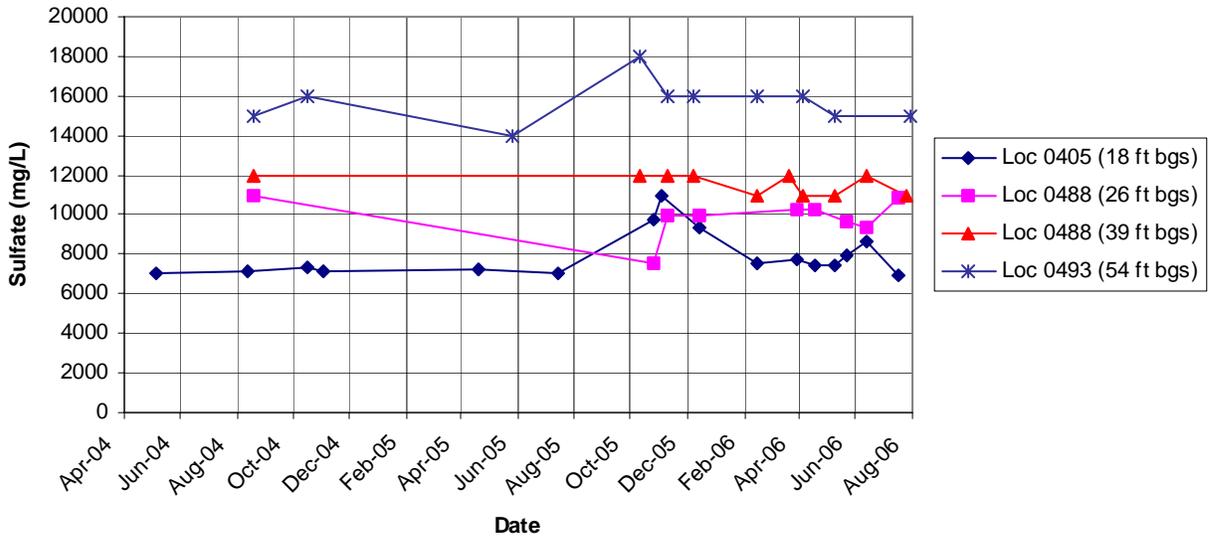
- E EQUIPMENT BLANK

Time Versus Concentration Graphs

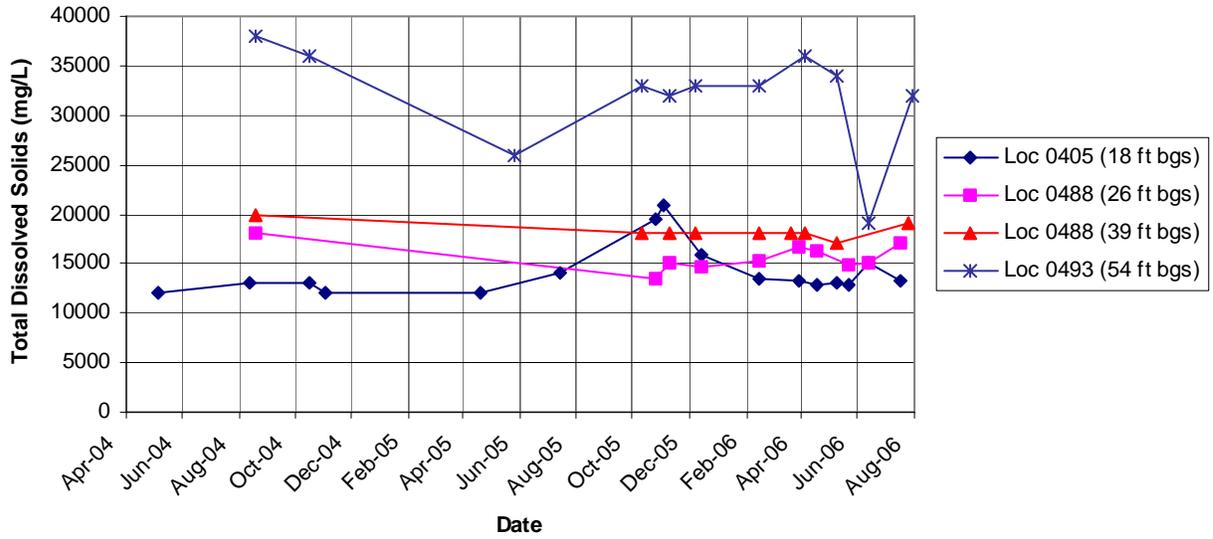
**Moab Site
Baseline Area
Ammonia Total as N Concentration**



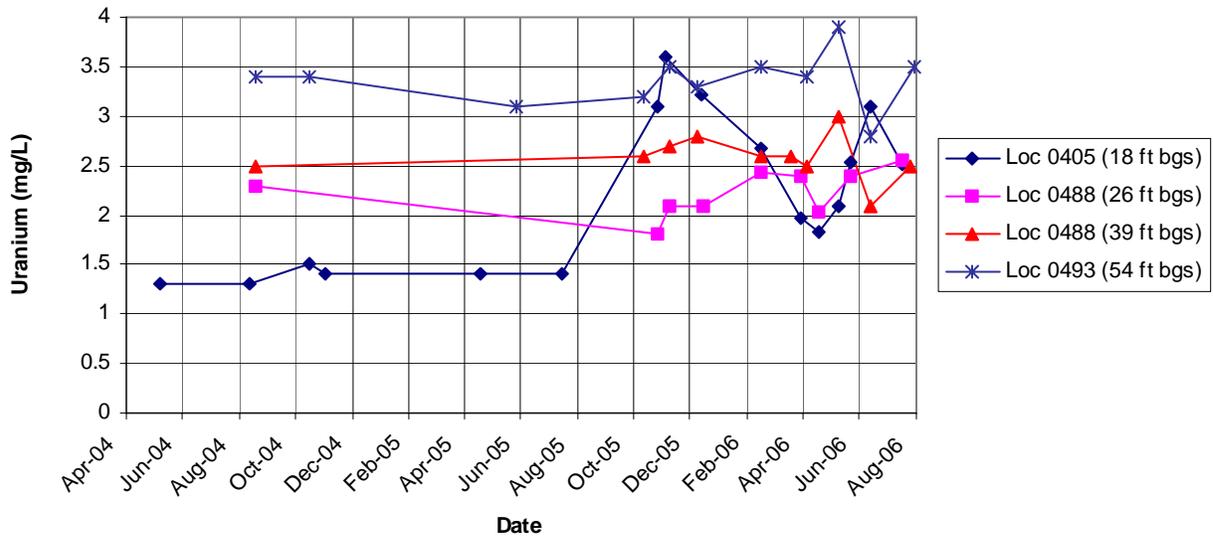
**Moab Site
Baseline Area
Sulfate Concentration**



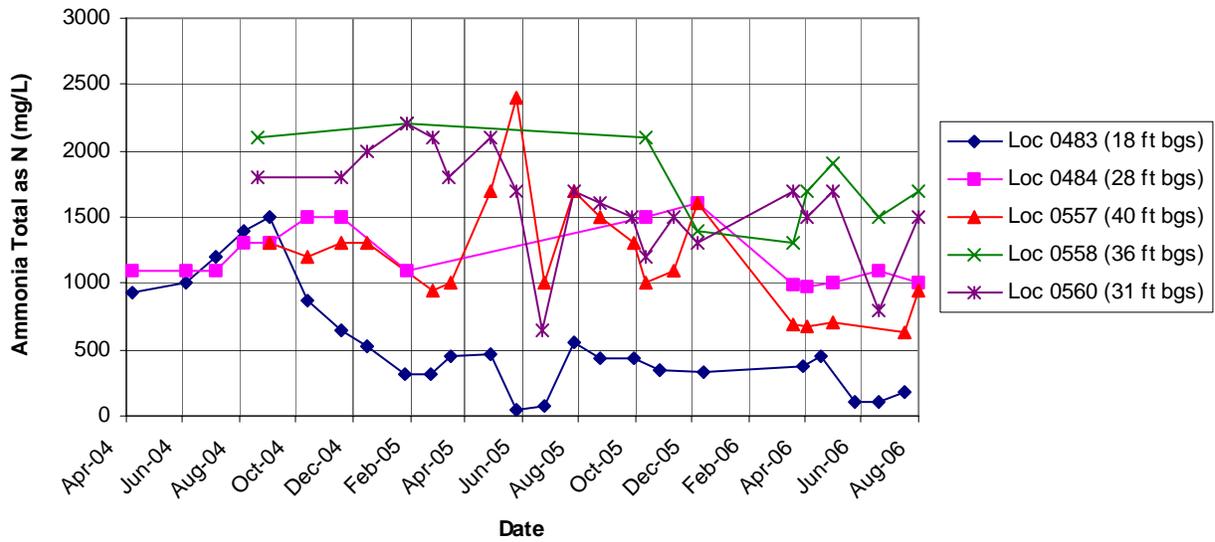
**Moab Site
Baseline Area
Total Dissolved Solids Concentration**



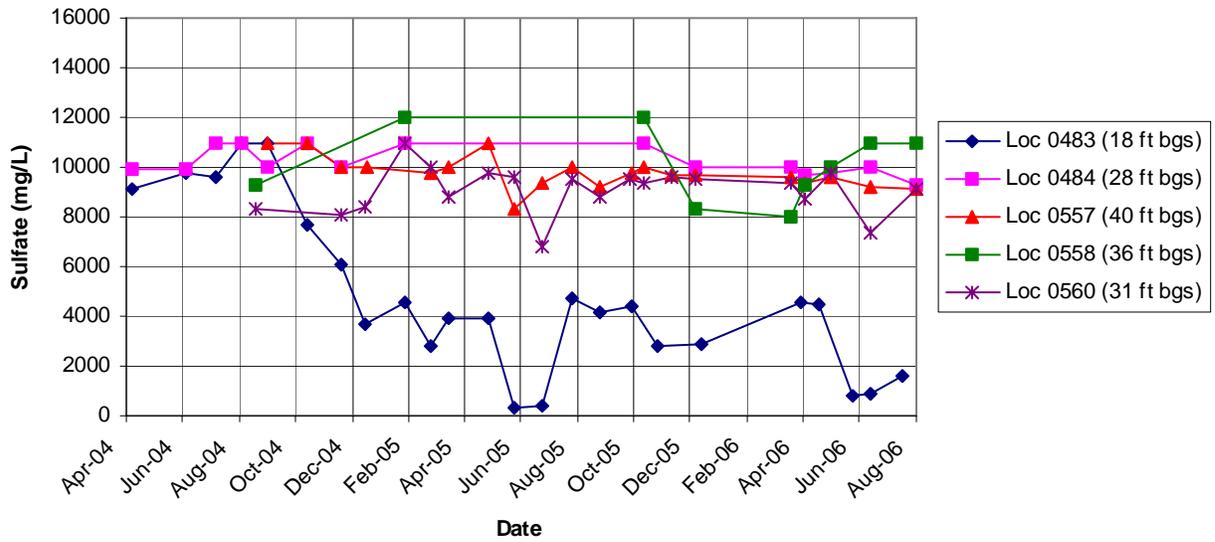
**Moab Site
Baseline Area
Uranium Concentration**



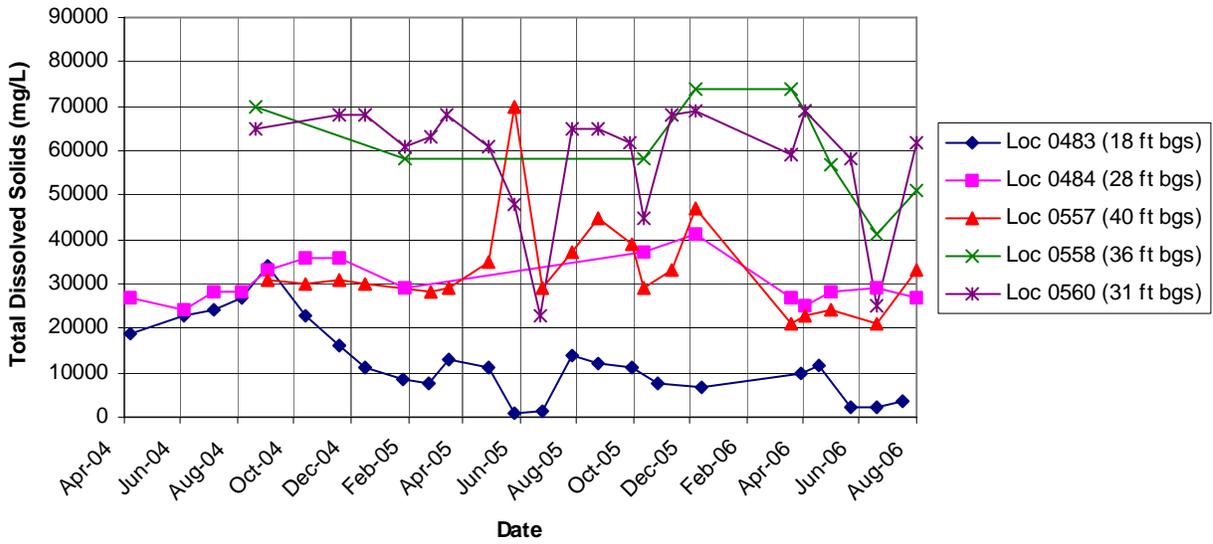
Moab Site
Configuration 1 Observation Wells
Ammonia Total as N



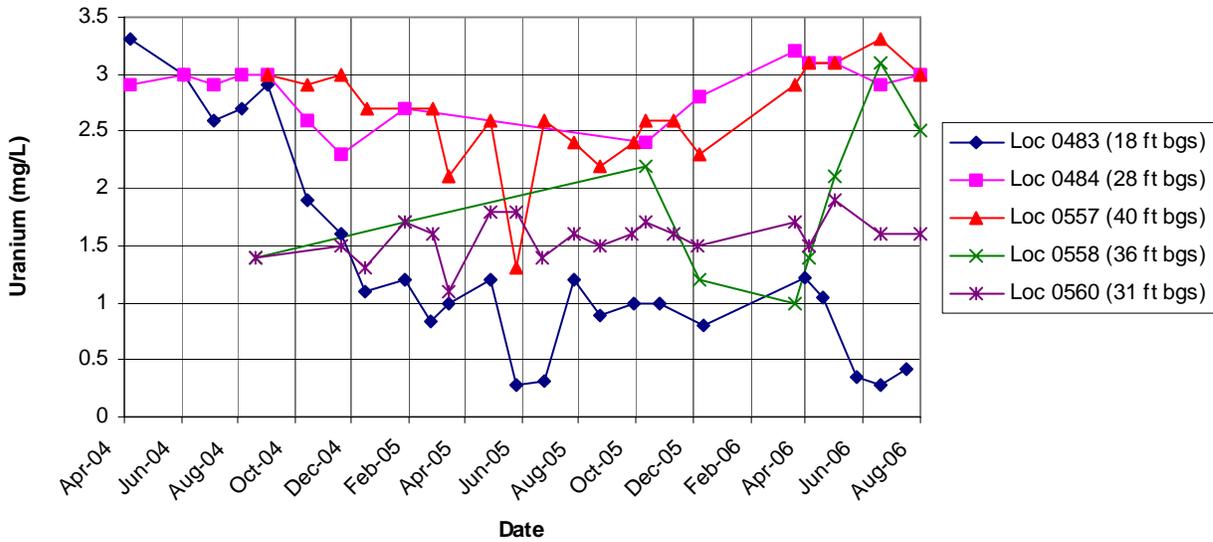
Moab Site
Configuration 1 Observation Wells
Sulfate



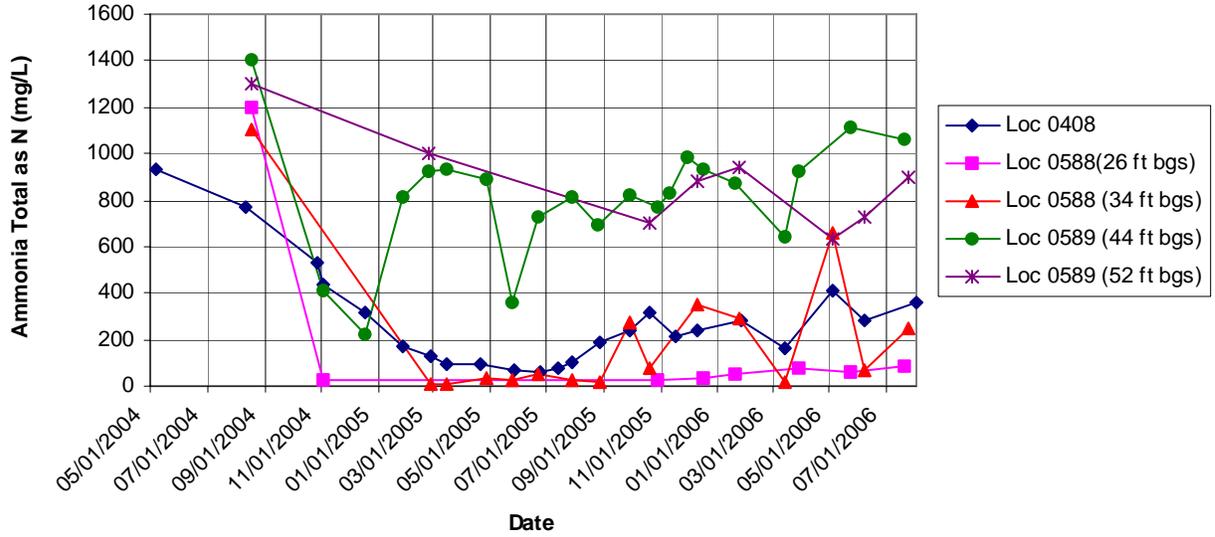
**Moab Site
Configuration 1 Observation Wells
Total Dissolved Solids**



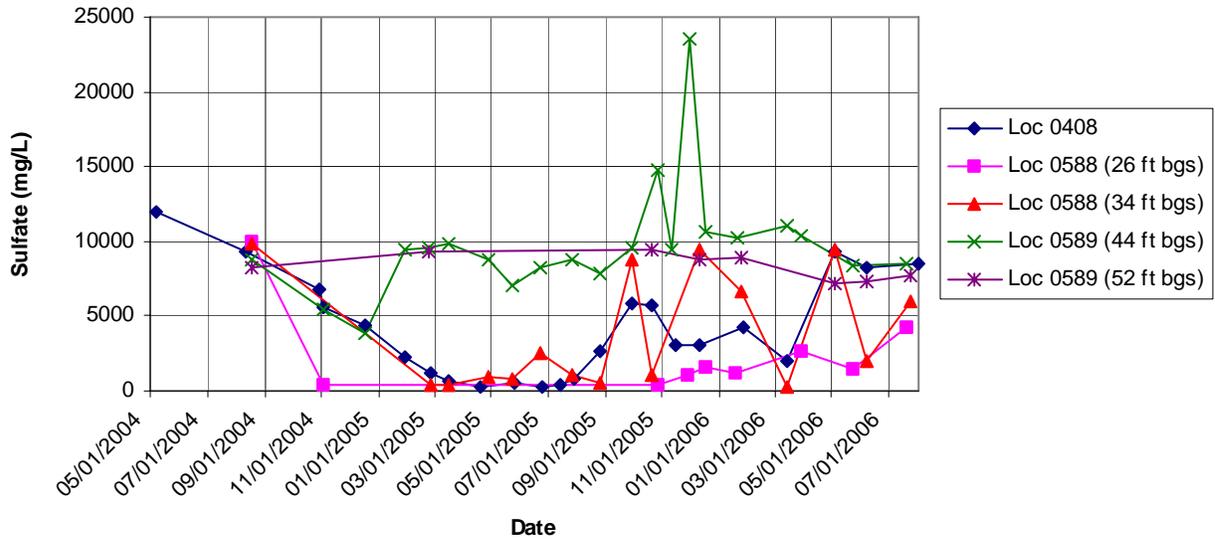
**Moab Site
Configuration 1 Observation Wells
Uranium**



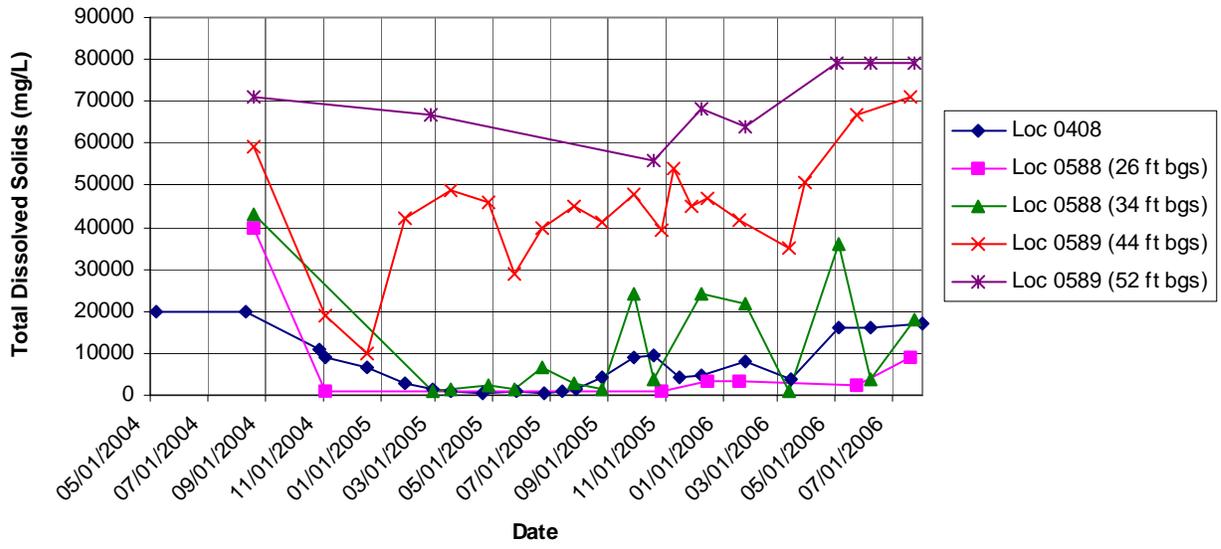
**Moab Site
Configuration 2 Well Field
Ammonia Total as N Concentration**



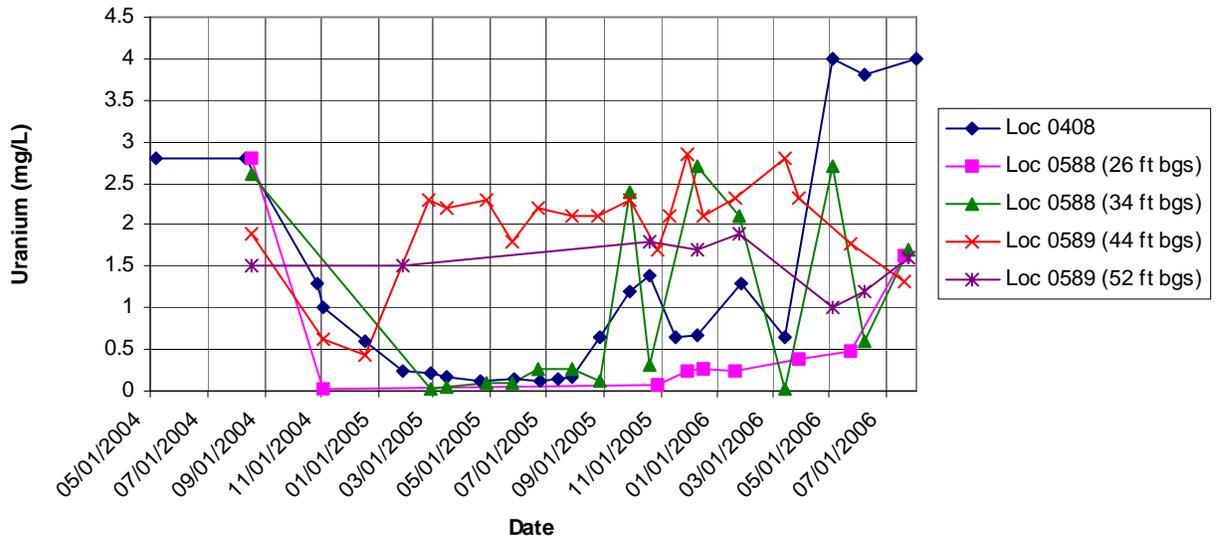
**Moab Site
Configuration 2 Well Field
Sulfate Concentration**



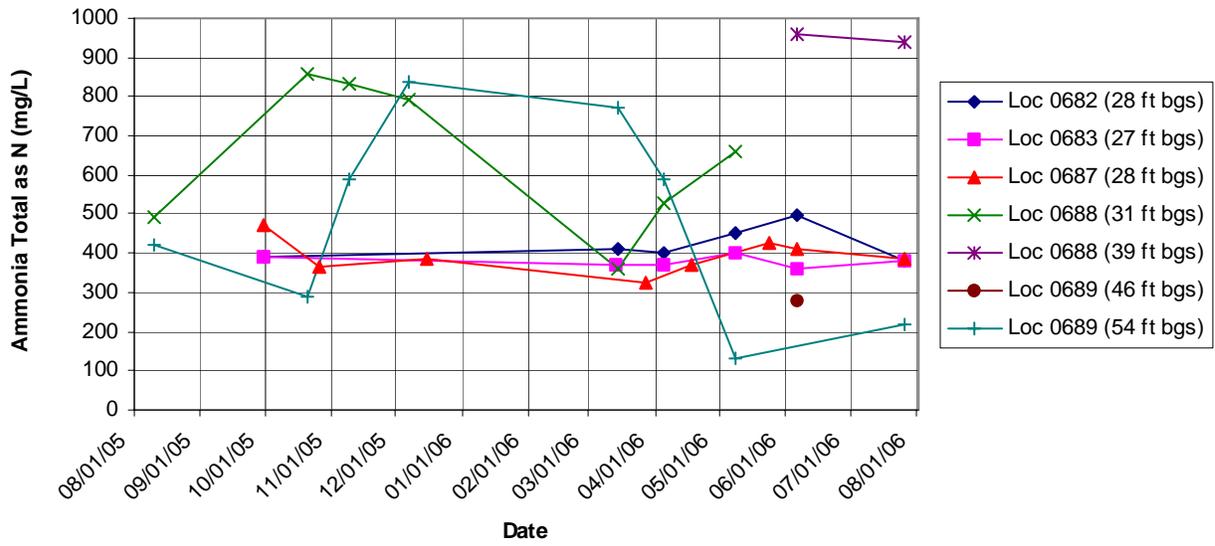
**Moab Site
Configuration 2 Well Field
Total Dissolved Solids Concentration**



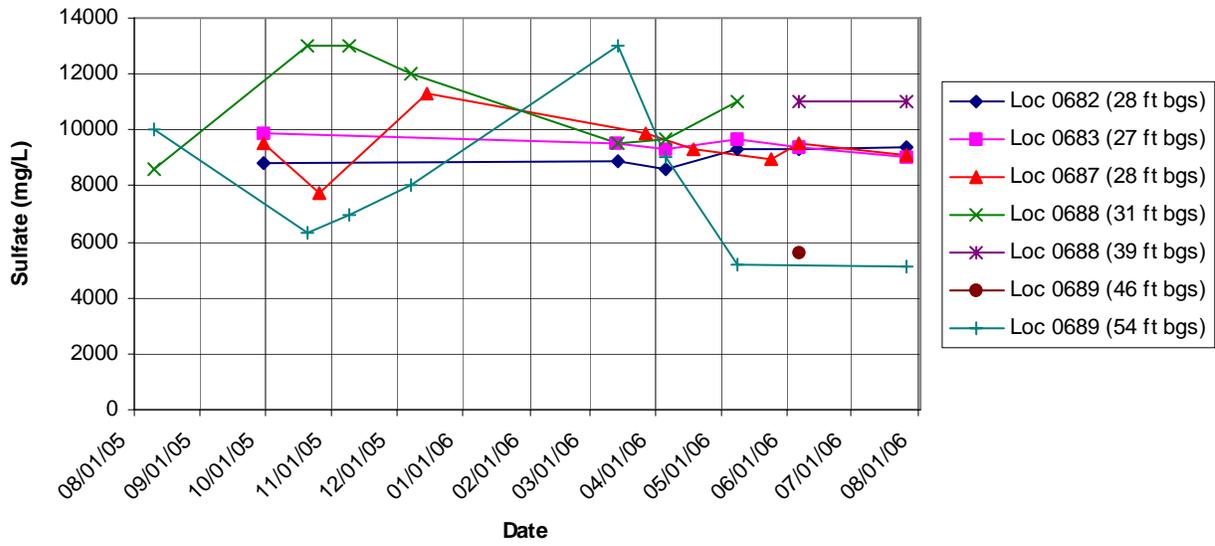
**Moab Site
Configuration 2 Well Field
Uranium Concentration**



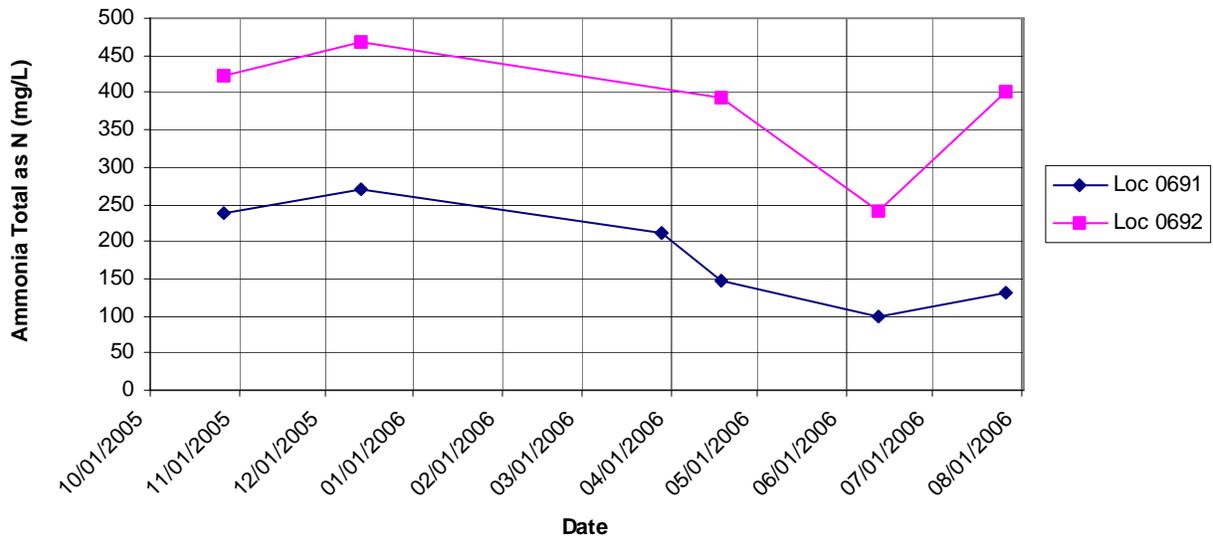
Moab Site
Configuration 3 Observation Wells
Ammonia Total as N



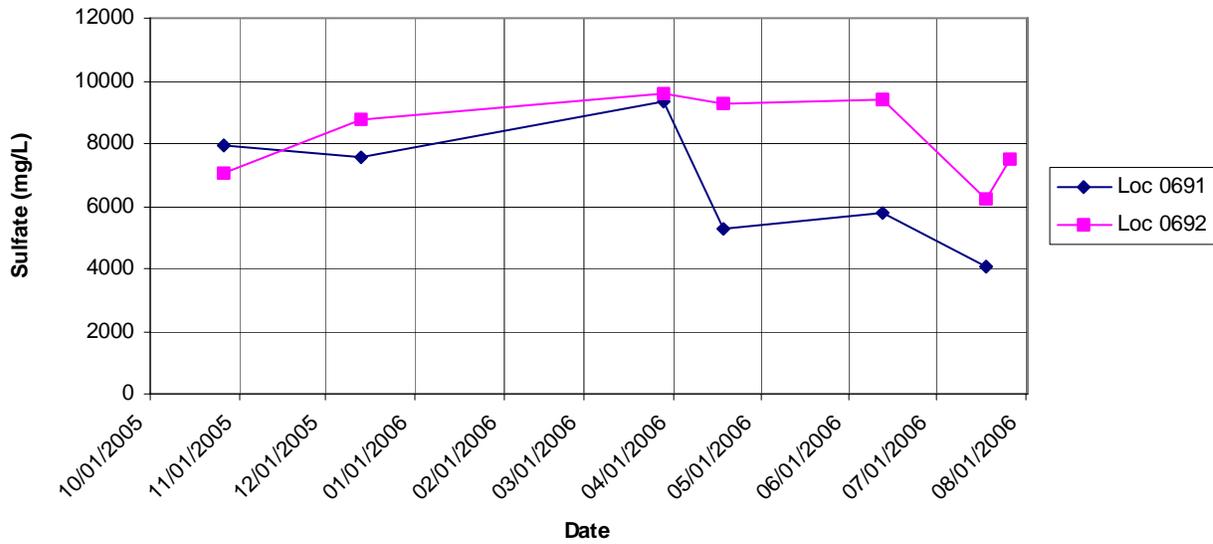
Moab Site
Configuration 3 Observation Wells
Sulfate



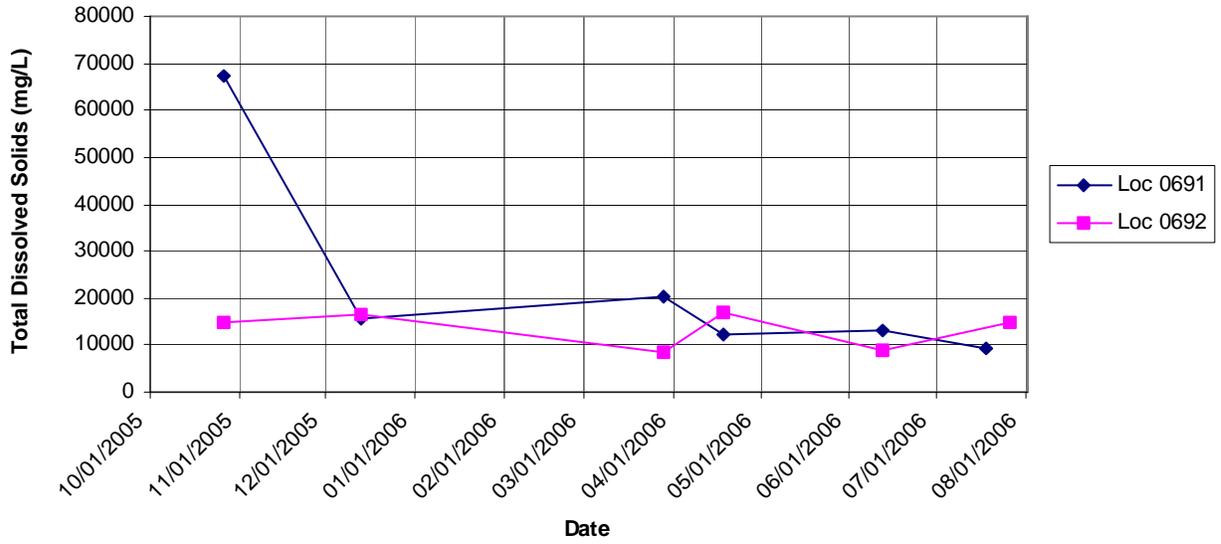
Moab Site
Configuration 3 Piezometers
Ammonia Total as N Concentration



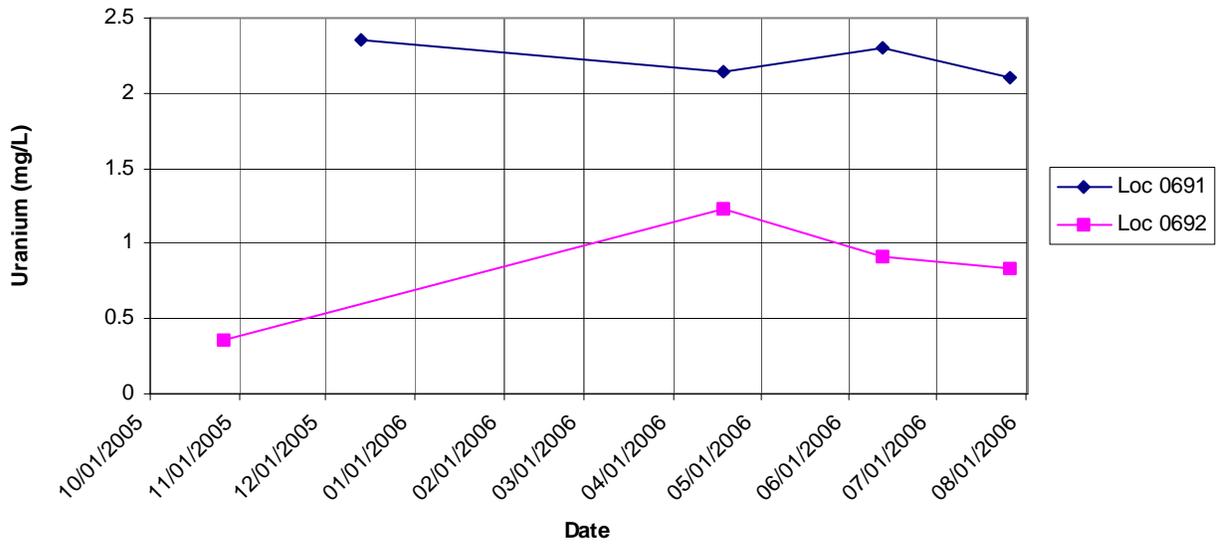
Moab Site
Configuration 3 Piezometers
Sulfate Concentration



Moab Site
Configuration 3 Piezometers
Total Dissolved Solids Concentration



Moab Site
Configuration 3 Piezometers
Uranium Concentration



Attachment 2

Trip Reports

DATE: September 19, 2006

TO: John Ford

FROM: E. M. Glowiak

SUBJECT: Trip Report

Site: Moab – Interim Action Well Field Monthly Sampling – July 2006

Date of Sampling Event: July 14 – August 3, 2006.

Team Members: Elizabeth Glowiak, Steve Back, Ken Pill, and Robert Hill

RIN Number Assigned: All samples were assigned to RIN 06070424

Sample Shipment: All samples were shipped in a cooler overnight FedEx to Paragon Analytics, Inc. from Moab, Utah, on July 14, 20, and 27, 2006, and on August 3, 2006 (Airbill Nos. 8553 8751 8839, 8553 8751 8840, 8473 2967 6465, 8473 2967 6465).

Surface Water Samples: Two surface water samples (CR-1 and CR-5) not associated with Configurations were collected after the Moab Wash flood event.

July 2006 Configuration 1 Sampling

Number of Locations Sampled: Eleven Configuration 1 extraction wells (0470 through 0479 and PW-02), ten observation wells (0480, 0481, 0482, 0484, 0485, 0557, 0558, 0560, 0561, and 0596), five piezometers (0562, 0564, 0608, 0611, and 0612), two surface water locations (0216 and 0245), and two treatment system locations (0547 and 0548) were sampled. Including two duplicates and one equipment blank, a total of 33 samples were collected.

Locations Not Sampled/Reason: All of the Configuration 1 locations were sampled in the July 2006 Monthly Sampling Event.

Field Variance: A limited volume was available from the piezometers. These samples were split and preserved as directed by the laboratory for proper analysis.

Quality Control Sample Cross Reference: Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2235	0596	Duplicate of from 25.5 ft bgs*	Ground Water	NFB 570
2228	0470	Duplicate from 21.3 ft bgs	Ground Water	NFB 486
2233	NA	Equipment Blank	Deionized Water	NFB 572

*below ground surface.

Location-Specific Information – Configuration 1 Extraction Wells: Extraction wells were sampled using dedicated submersible pumps.

Well No.	Date	Time	Water Level (ft btoc)	Pump Intake (ft bgs)
0470	07/14/2006	09:50	11.88	18
0471	07/14/2006	09:40	12.35	18
0472	07/14/2006	09:25	11.82	18
0473	07/14/2006	09:15	12.25	18
0474	07/14/2006	09:05	11.97	18
0475	07/14/2006	08:55	12.97	18
0476	07/14/2006	08:40	13.63	18
0477	07/14/2006	08:31	12.43	18
0478	07/14/2006	08:15	15.09	23
0479	07/14/2006	08:05	12.45	23
PW-02	08/03/2006	07:45	16.93	55

*Below top of casing

Location-Specific Information – Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0480	08/01/2006	09:40	16.88	18
0481	08/01/2006	08:30	16.61	28
0482	08/01/2006	08:00	17.30	58
0485	08/01/2006	11:12	16.80	58
0558	08/01/2006	10:38	16.70	36
0484	08/01/2006	10:07	17.15	28
0560	08/01/2006	15:33	16.45	31
0561	08/01/2006	13:50	16.81	50
0557	07/31/2006	11:20	16.31	40
0596	08/01/2006	14:55	16.51	24

Location-Specific Information – Piezometer Sampling: The following Configuration 1 piezometers were sampled.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0562	07/27/2006	10:30	1.20		
0564	07/24/2006	11:18	3.89	3.05	Dry at base
0608	07/24/2006	11:25	2.77	2.30	Dry at base
0611	07/25/2006	11:00	3.68	2.14	Dry at base
0612	07/24/2006	10:54	3.82	2.03	Dry at base

Location-Specific Information – Treatment System Sampling: Locations 0547 and 0548 were sampled when the evaporation pond level was 7.50 ft. The sample for location 0548 was collected off the pond discharge line. Location 0547 was collected from the pond inlet. Both of these locations were sampled August 3, 2006.



Configuration 1 River Edge Piezometers



Surface Water Location 0216



Surface Water Location 0245*

*The Configuration 1 river edge piezometers are located near the lower left corner of the photograph.

July 2006 Configuration 2 Sampling

Number of Locations Sampled: Eight of the Configuration 2 extraction wells, (0570, 0571, 0572, 0573, 0575, 0576, 0577, and 0579), 15 Configuration 2 observation wells (0580–0589, 0401, 0402, 0408, 0600, and 0601), three piezometers (0605, 0615, and 0616), and two surface water locations (0239 and 0240) were sampled. Including two duplicates and one equipment blank, a total of 31 samples were collected.

Locations Not Sampled/Reason: Extraction wells 0574 and 0578 were not running and therefore were not sampled. Piezometers 0590 and 0613 did not recharge after the initial purge and were not sampled. Surface water location 0236 was dry, and the injection water (0550) was not sampled because none of the wells were running on injection during the month of July.

Field Variance: A limited volume was available from the piezometers. These samples were split and preserved as directed by the laboratory for proper analysis.

Quality Control Sample Cross Reference: Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2239	0583	Duplicate from 37 ft bgs	Ground Water	NFB 534
2238	0577	Duplicate from 18 ft bgs	Ground Water	NFB 560
2237	NA	Equipment Blank	DI Water	NFB 537

Location-Specific Information – Configuration 2 Extraction Wells: Extraction wells were sampled using dedicated submersible pumps.

Well No.	Date	Time	Water Level (ft btoc)	Pump Intake (ft bgs)
0570	07/31/2006	13:50	25.61	27
0571	07/31/2006	14:00	11.95	37
0572	07/31/2006	14:20	26.84	27
0573	07/31/2006	14:30	12.72	37
0575	07/31/2006	14:45	25.31	37
0576	07/31/2006	14:50	12.45	27
0577	07/31/2006	15:06	19.90	37
0579	07/31/2006	15:30	12.34	37

Location-Specific Information – Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0580	07/26/2006	11:10	16.93	18
0581	07/25/2006	15:00	16.15	18
0582	07/26/2006	10:42	16.82	18
0583	07/25/2006	14:00	16.52	18
0584	07/24/2006	15:21	15.89	18
0585	07/24/2006	14:24	16.25	18
0586	07/24/2006	13:33	16.20	18
0587	07/25/2006	13:17	15.88	18
0588	07/24/2006	15:48	15.93	34
0589	07/25/2006	13:35	15.63	52
0401	08/02/2006	10:00	16.82	18
0402	08/02/2006	08:58	16.10	17
0408	08/02/2006	09:30	16.65	26
0600	07/25/2006	14:30	15.83	27
0601	07/24/2006	14:00	15.50	27

Location-Specific Information – Piezometer Sampling: Piezometers 0605, 0615, and 0616 were sampled. Piezometers 0590 and 0613 did not recharge and were not sampled. These samples were split and preserved as directed by the laboratory for proper analysis.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0590	07/24/2006	10:41	3.39	3.10	Dry at base
0613	07/24/2006	10:49	4.20	1.48	Dry at base
0605	07/25/2006	10:35	4.53	1.50	Dry at base
0615	07/25/2006	10:32	4.15	2.61	Dry at base
0616	07/25/2006	10:40	2.39	0.76	Dry at base



Surface Water Location 0240



Surface Water Location 0239

July 2006 Configuration 3 Sampling

Number of Locations Sampled: Ten extraction wells (0670 through 0679), five observation wells (0404, 0682, 0683, 0688 [at 31 ft], and 0689 [at 54 ft]), four piezometers (0693, 0696, 0697, and 0698), and one surface water location (0259) were sampled. Including one equipment blank and two duplicates, a total of 23 samples were collected.

Locations in Which Field Parameters Were Measured Only: Parameters were measured at locations 0688 at 39 ft and 0689 at 46 ft.

Well No.	Date	Time	Depth (ft bgs)	Depth To Water (ft btoc)	Field Parameters					
					Temp (°C)	Spec Cond (µS/cm)	D.O. (mg/L)	pH	ORP	Turb. (NTUs)*
0688	7/26/2006	15:03	39	16.14	18.47	57,700	0.82	6.72	116	1.28
0689	7/26/2006	14:25	46	15.97	21.77	119,300	1.34	6.58	95	2.80

*NTU = Nephelometric Turbidity Units

Locations Not Sampled/Reason: Surface water locations 0257 and 0259 were dry. Piezometer location 0690 never recharged after the initial purge.

Field Variance: A limited volume was available from the piezometers. These samples were split and preserved as directed by the laboratory for proper analysis.

Quality Control Sample Cross Reference: Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2241	0683	Duplicate from 27 ft bgs	Ground Water	NFB 576
2242	0259	Duplicate of surface water	Surface Water	NFB 582
2240	NA	Equipment Blank	DI Water	NFB 577

Location-Specific Information – Configuration 3 Extraction Wells: All extraction wells were sampled using dedicated pumps.

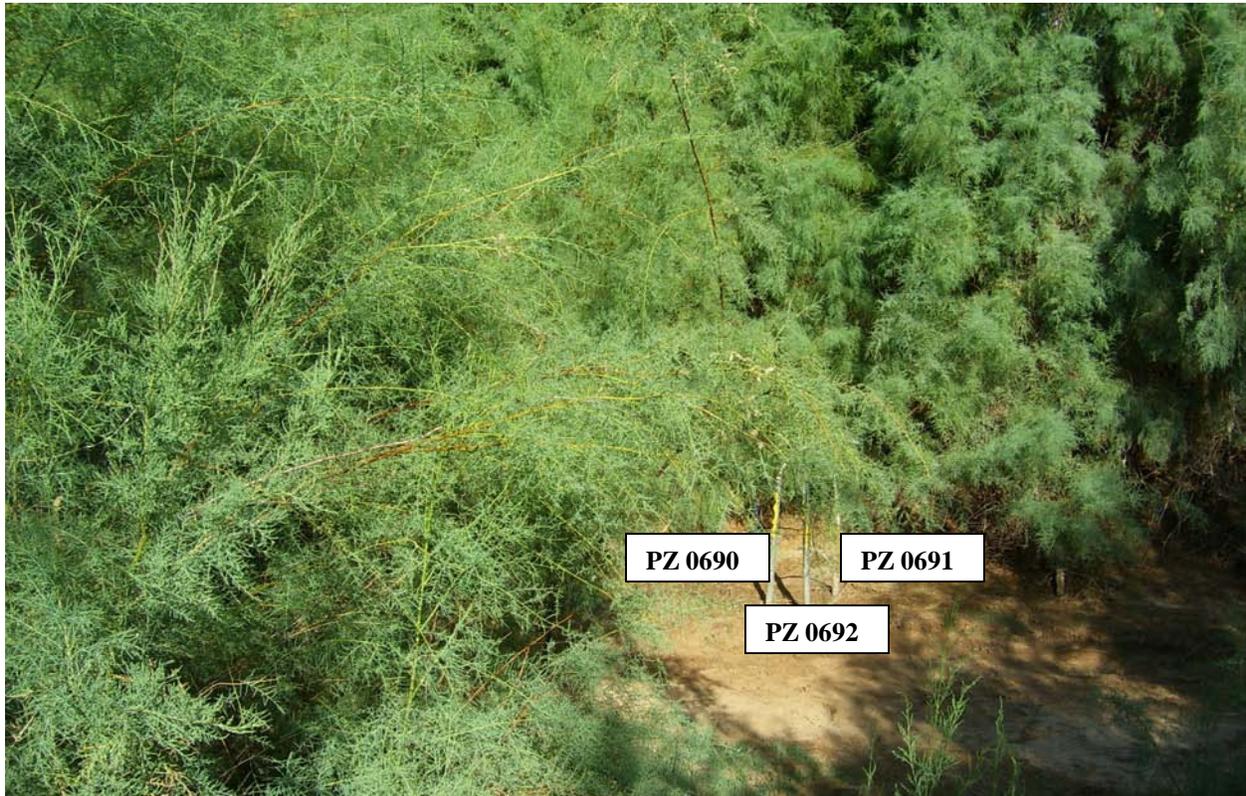
Well No.	Date	Time	Depth to Water (ft btoc)	Pump Intake (ft bgs)
0670	07/14/2006	12:28	16.24	40
0671	07/14/2006	12:22	16.65	40
0672	07/14/2006	12:15	17.08	40
0673	07/14/2006	12:10	17.21	40
0674	07/14/2006	12:05	17.00	40
0675	07/14/2006	12:00	16.63	40
0676	07/14/2006	11:48	16.33	40
0677	07/14/2006	11:40	16.19	40
0678	07/14/2006	11:30	15.89	40
0679	07/14/2006	11:20	15.72	40

Location-Specific Information – Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole tubing. Sample depths and water levels for each observation well are listed below.

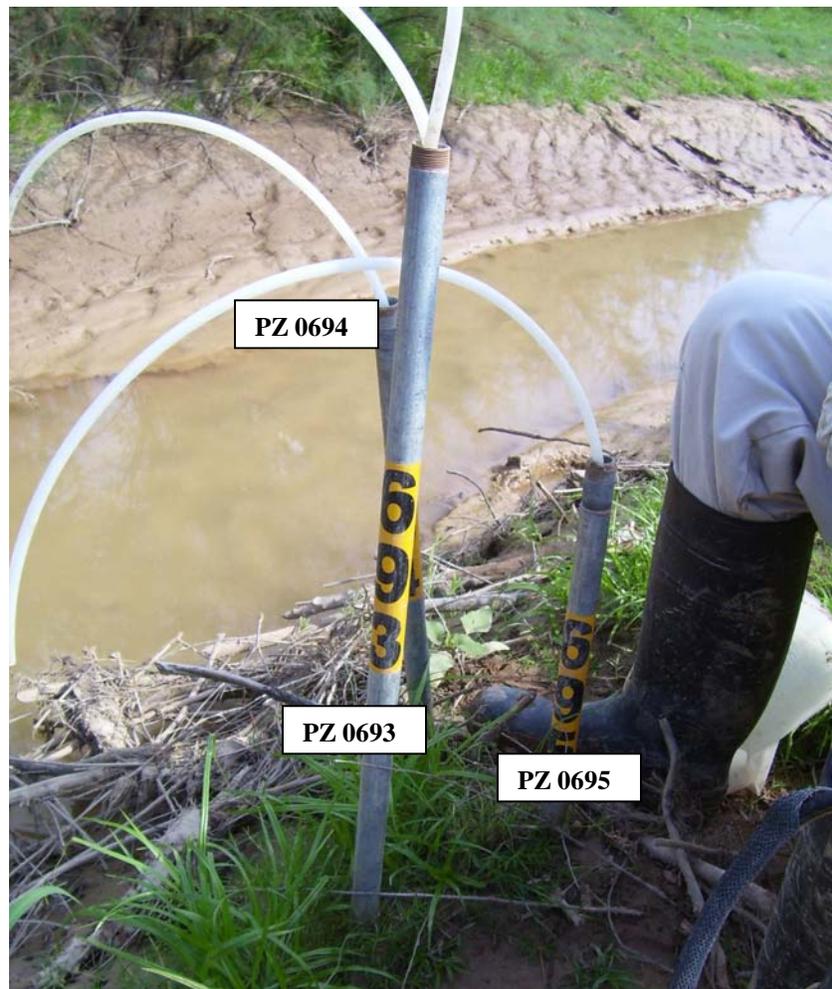
Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0404	08/02/2006	10:30	15.93	18
0682	07/26/2006	15:06	17.58	28
0683	07/26/2006	15:30	17.70	27
0688-31	07/26/2006	14:30	16.14	31
0689-54	07/26/2006	13:52	15.99	54

Location-Specific Information – Piezometer Sampling: Piezometer 0690 did not recharge after the initial purge and was not sampled.

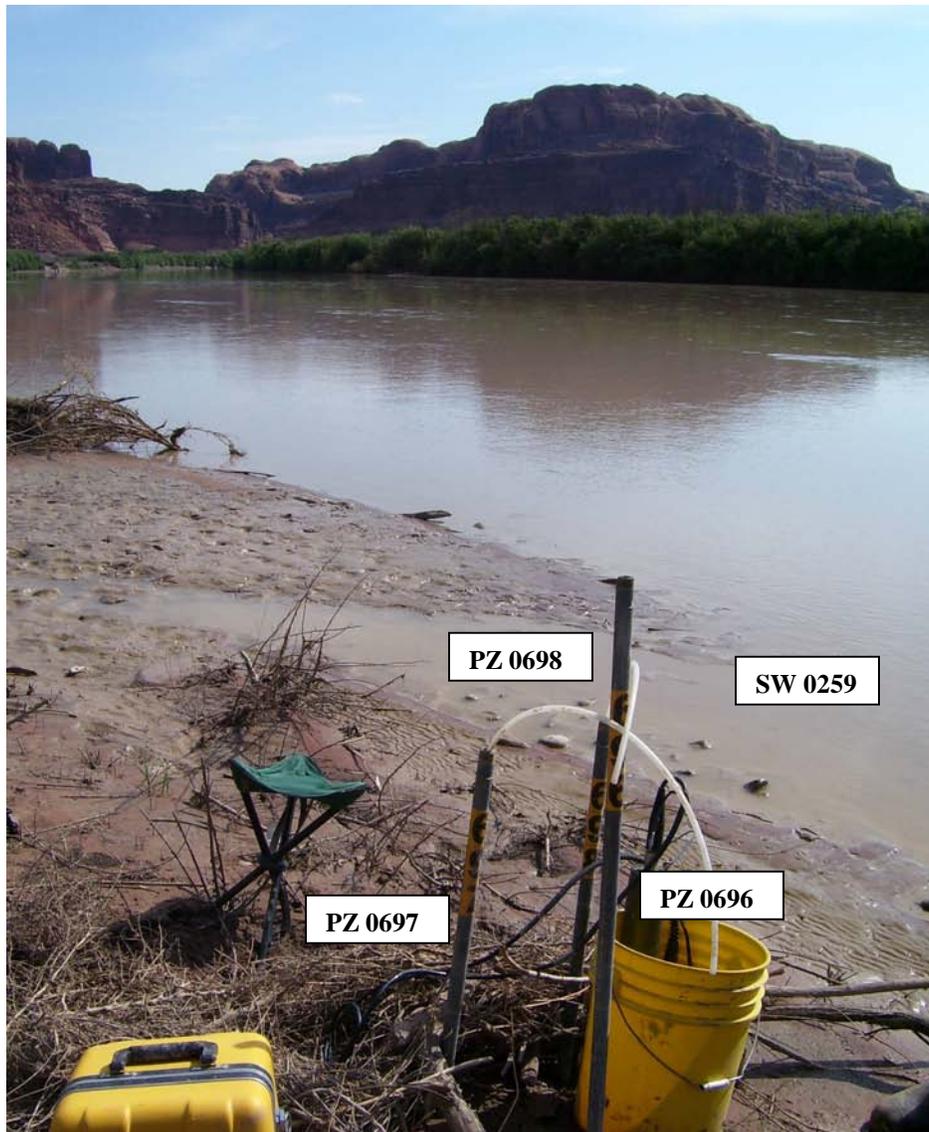
PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0690	07/24/2006	10:06	3.12	1.60	Dry at base
0693	07/24/2006	09:53	4.19	2.30	Dry at base
0696	07/24/2006	09:45	3.84	3.30	Dry at base
0697	07/24/2006	09:30	2.93	2.20	Dry at base
0698	07/24/2006	09:40	3.65	2.30	Dry at base



Riverbank Piezometers 0690, 0691, and 0692



Intermediate Bank Piezometers 0693, 0695, and 0694



River Edge Piezometers 0696, 0697, 0698, and Surface Water Location 0259

July 2006 Baseline Sampling

Number of Locations Sampled: Six observation wells (0405, 0488, SMI-PZ1S, SMI-PZ1M, SMI-PZ1D2, and SMI-PW01), one surface water location (0243), and five piezometer locations (0497, 0598, 0599, 0617, and 0618) were sampled. Including one duplicate and one equipment blank, a total of 14 samples were collected.

Locations Not Sampled/Reason: After the initial purge, piezometer 0496 did not recharge and therefore was not sampled.

Field Variance: Limited sample volume was available for analysis from the piezometer locations. These samples were split and preserved as directed by the laboratory for proper analysis.

Quality Control Sample Cross Reference: Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2227	0493	Duplicate from 54 ft bgs	Ground Water	NFB 596
2234	NA	Equipment Blank – GW Equip	DI Water	NFB 551

Location-Specific Information – Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc*)	Sample Depth (ft bgs)
0488	07/26/2006	16:15	14.52	39
0493	07/31/2006	07:50	14.22	54
SMI-PW01	07/31/2006	09:53	14.30	40
SMI-PZ1S	07/31/2006	08:36	15.65	18
SMI-PZ1M	07/31/2006	08:58	14.15	57
SMI-PZ1D2	07/31/2006	09:24	15.50	73

Location-Specific Information – Piezometer Sampling: The table below presents the water level, stick up height, and depth to the river surface prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0494	07/24/2006	08:39	Dry	1.90	Dry at base
0496	07/24/2006	08:52	3.54	1.87	Dry at base
0497	07/24/2006	09:00	1.87	0.43	Dry at base
0598	07/24/2006	08:42	3.49	2.04	Dry at base
0599	07/25/2006	08:40	2.47	2.04	Dry at base
0617	07/24/2006	09:09	3.10	2.93	Dry at base
0618	07/25/2006	08:47	1.83	1.40	Dry at base



Baseline Riverbank Piezometers 0494, 0495, and 0597



Baseline Intermediate Piezometers



Well Inspection Summary: A well inspection was not conducted.

Site Issues: According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flows during this sampling event are provided below:

Date	Daily Mean Flow (cfs)
07/14/2006	6,510
07/15/2006	6,080
07/16/2006	5,580
07/17/2006	5,030
07/18/2006	4,570
07/19/2006	4,230
07/20/2006	4,290
07/21/2006	4,520
07/22/2006	4,960
07/23/2006	4,380
07/24/2006	3,740
07/25/2006	3,430
07/26/2006	3,300
07/27/2006	3,720
07/28/2006	3,890
07/29/2006	3,790

Date	Daily Mean Flow (cfs)
07/30/2006	3,660
07/31/2006	3,630
08/01/2006	4,210
08/02/2006	5,170
08/03/2006	5,440
08/04/2006	4,830

Equipment Issues: None.

Corrective Action Required/Taken: None.

cc: E. B. Baker, Stoller (e)
L. E. Cummins, Stoller (e)
S. E. Donovan, Stoller (e)
J. R. Ford, Stoller (e)
E. M. Glowiak, Stoller (e)
K. E. Karp, Stoller (e)
K. E. Miller, Stoller (e)
K. G. Pill, Stoller (e)
J. E. Price, Stoller (e)
Document Production (e)

End of current text

DATE: September 26, 2006

TO: John Ford

FROM: E.M. Glowiak

SUBJECT: Trip Report

Site: Moab – Interim Action Well Field Biogeochemical Sampling Event – July 2006

Date of Sampling Event: July 17–20, 2006

Team Members: Emile Bettez, Elizabeth Glowiak, Robert Hill, and Ken Pill

Sampling Event Background: This biogeochemical sampling was designed to relatively measure microorganism populations in an area where the shallow aquifer intersects the riverbed of the Moab site and evaluate the attenuation of contaminant concentrations in ground water and the river because of biologically mediated reactions. Specific locations from Configuration 1, Configuration 2, Configuration 3, and Baseline were sampled.

Number of Locations Sampled: Four observation wells (0403, 0407, 0483, and 0559) and three piezometers (0563, 0565, and 0606) were sampled from Configuration 1. Three observation wells (0588, 0589, and 0602) and three piezometers (0591, 0603, 0604) were sampled from Configuration 2. Two observation wells (0686, 0687) and four piezometers (0691, 0692, 0694, and 0695) were sampled from Configuration 3. Two observation wells (0405 and 0488) and two piezometers (0495 and 0597) were sampled from Baseline. Including one equipment blank and two duplicates, a total of 26 samples were collected during the July biogeochemical sampling event.

Locations Not Sampled/Reason: The following piezometers were not sampled: Configuration 1 (0607) and Configuration 2 (0614). These piezometers did not recharge after the initial purge.

Field Variance: A limited volume was available from the piezometers. These samples were split and preserved as directed by the laboratory for proper analysis.

Sample Analysis: Submitted samples were analyzed by Severn Trent Laboratories, Microseeps, Inc., and the Grand Junction Office Environmental Sciences Laboratory (ESL) for the analytes in the following table.

Analyte	Laboratory	Priority
Nitrate / Nitrite as N	Severn Trent	High
Ferrous Iron / Divalent Manganese	Microseeps	
Carbon Dioxide / Methane / Nitrogen / Oxygen	Microseeps	
Bromide / Chloride / Sulfate	Severn Trent	
Nitrifying Bacteria	ESL	
Biological Oxygen Demand	ESL	
Total Dissolved Solids	Severn Trent	
Total Iron	ESL	
Nitrite (as N)	ESL	
Sulfide	ESL	
Orthophosphate	ESL	
Ammonia (as N)	Severn Trent	
Dissolved Organic Carbon / Total Inorganic Carbon	Severn Trent	
Iron / Manganese / Selenium / Uranium	Severn Trent	
Total Organic Carbon	Severn Trent	
Chemical Oxygen Demand / Total Phosphorus / Total Kjeldahl Nitrogen	Severn Trent	Low

The analytes are listed from high to low priority for locations in which sufficient sample volume was not available (i.e., riverbed piezometers) for complete analyses.

Quality Control Sample Cross Reference: Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2328	0403	Duplicate from 18 ft bgs	Ground Water	NFB 519
2323	0589	Duplicate from 44 ft bgs	Ground Water	NFB 451
2322	NA	Equipment Blank – GW Equip	DI Water	NFB 520

RIN Numbers Assigned: The samples that were shipped to Severn Trent were assigned to RIN 06070425. The samples that were shipped to Microseeps were assigned to RIN 06070426.

Sample Shipment: The coolers were sent overnight FedEx (to Microseeps, Inc. and Severn Trent Laboratories) from Moab, Utah, on July 20, 2006 (Airbill Nos. 8553 8751 8850 [Microseeps] 8553 8751 8840 [Severn Trent]).

Location-Specific Information – Configuration 1 Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed in the following table.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0403	07/19/2006	09:22	16.17	18
0407	07/19/2006	08:16	16.64	17
0483	07/18/2006	15:56	16.35	18
0559	07/18/2006	16:03	17.16	19

Configuration 1 Piezometers: The piezometers were purged dry on July 17, 2006, and were sampled after they recharged.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0606	07/17/2006	10:30	2.89	1.90	Dry at base
0563	07/17/2006	10:38	2.75	3.50	Dry at base
0565	07/17/2006	10:49	2.08	0.70	Dry at base

Location-Specific Information – Configuration 2 Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0588	07/19/2006	16:17	15.78	26
0589	07/20/2006	08:05	15.45	44
0602	07/19/2006	15:21	16.24	18

Configuration 2 Piezometers: The piezometers were purged dry on July 17, 2006, and were sampled after they recharged.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0604	07/17/2006	09:41	5.20	2.35	Dry at base
0603	07/17/2006	10:00	2.30	1.81	Dry at base
0591	07/17/2006	10:05	3.17	1.90	Dry at base

Location-Specific Information – Configuration 3 Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed in the following table.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0686	07/17/2006	15:45	15.34	18
0687	07/19/2006	13:32	16.25	28

Configuration 3 Piezometers: The piezometers were purged dry on July 17, 2006, and were sampled after they recharged.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0691	07/17/2006	08:55	6.00	2.04	Dry at base
0692	07/17/2006	09:00	6.57	2.20	Dry at base
0694	07/17/2006	09:15	3.43	1.80	Dry at base
0695	07/17/2006	09:20	3.77	1.27	Dry at base

Location-Specific Information – Baseline Observation Wells: All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0405	07/17/2006	14:40	14.05	18
0488	07/17/2006	13:55	13.93	26

Baseline Piezometers: The piezometers were purged dry on July 17, 2006, and were sampled after they recharged.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0597	07/17/2006	08:28	5.68	2.92	Dry at base
0495	07/17/2006	08:36	3.46	0.25	Dry at base

Well Inspection Summary: Piezometer 0614 is buried in river sediment and is not accessible.

Equipment Issues: None.

Site Issues: According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flows during this sampling event are provided in the following table.

Date	Daily Mean Flow (cfs)
07/17/2006	5,030
07/18/2006	4,570
07/19/2006	4,230
07/20/2006	4,290

Corrective Action Required/Taken: None.

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Document Production (e)