

USHP000254



**DATA VALIDATION
SHIPROCK, NM
UMTRA SITE**

**March 1999
Water Sampling**

Prepared by the
U.S. Department of Energy
Grand Junction Office



RECORD COPY.

SHIPROCK, NEW MEXICO
Sampled March 1999

DATA PACKAGE CONTENTS

This data package includes the following information:

- | <u>Item No.</u> | <u>Description of Contents</u> |
|-----------------|--|
| 1. | Site Hydrologist Summary |
| 2. | Data Package Assessment, which includes the following: <ul style="list-style-type: none">a. Field procedures verification checklistb. Confirmation that chain-of-custody was maintained.c. Confirmation that holding time requirements were met.d. Evaluation of the adequacy of the QC sample results. |
| 3. | Data Assessment Summary, which describes problems identified in the data validation process and summarizes the validator's findings. |
| 4. | Anomalous Data Review Checksheets which list the subset of data that merits explanation or follow-up action. The "Disposition" column of this report describes the evaluator's judgments on the listed anomalies. |
| 5. | UMTRA Database Printouts of analytical data organized as follows: <ul style="list-style-type: none">a. Ground Water Quality Data (included on disk)b. Surface Water Quality Data (included on disk)c. Equipment Blank Data (included on disk)d. Time Versus Concentration Graphse. Static Ground Water Level Measurement Data |
| 6. | Sampling and Analysis Work Order and Trip Reports. |

Site Hydrologist Summary

Site: Shiprock

Sampling Period: March 1 to March 9, 1999

SUMMARY CRITERIA

1. **Did concentrations in water from any domestic wells sampled exceed a ground water standard, a primary drinking water standard, or health advisory?**

The selenium concentration from well 847 (0.0396 mg/L) exceeded the UMTRA ground water standard. The nitrate (771.0 mg/L), gross alpha (39.5 pCi/L), uranium (0.0519mg/L), and selenium concentrations (0.338 mg/L) from well 848 exceeded UMTRA ground water and primary drinking water standards. Water from these wells is not currently being used; however, these wells were originally installed for irrigation purposes only.

2. **Were standards exceeded at any point-of-compliance wells?**

There are no point-of-compliance wells established at the Shiprock site because of preexisting ground water contamination (from milling operations) at the repository site.


3. **As a result of this sampling round, is there any indication of unexpected contaminated ground water movement?**

There is no indication of unexpected movement of contaminated ground water; however, previous ground water sampling at the Shiprock site has indicated that inorganic and radiological contamination has been present in both the terrace ground water and alluvial aquifer systems. Assessment of the rate of contaminated ground water movement will be made in conjunction with the current field investigation at the Shiprock site. In addition, volatile organic compounds were sampled from selected terrace wells during this event. With the exception of low concentrations of acetone (14, 17, and 31 $\mu\text{g/L}$) and one benzene concentration near the detection limit (7 $\mu\text{g/L}$), there were no targeted organic compounds detected above the quantitation limit. Because of the low concentrations, these compounds are not considered significant constituents of the terrace ground water; however, an additional round of volatile organic compound sampling will be conducted to verify results from this round and finalize conclusions regarding organic compounds in the terrace ground water. Wells with sample concentrations that exceeded UMTRA ground water standards are listed in Table 1. Graphs that show nitrate and uranium concentrations versus time for selected wells are included with the analytical data.


Site Hydrologist Summary (continued)

4. **Is there statistical evidence that UMTRA Project related contaminants were detected in a surface body of water in greater concentrations than upstream ambient water quality?**

Surface water concentrations were compared to a benchmark derived using data from sampling locations 888 and 898. However, these are new locations upgradient of the site on the San Juan River, and have only been sampled twice each. Therefore, the benchmark background value used for comparison was the maximum observed value from these locations, because two samples are not enough to derive a statistical benchmark value. Sample concentrations from floodplain surface-water locations 655 and 887 exceeded the benchmarks for gross alpha (887 only), nitrate, selenium, and uranium. These locations (wetlands and a distributary channel) receive ground water discharge from the contaminated alluvial aquifer; therefore, elevated concentrations of contaminants are expected. Terrace locations 425 and 426 (seeps), 886 and 889 (Many Devils Wash), and locations 662 and 885 (Bob Lee Wash) had sample concentrations several orders of magnitude higher than one or more of the benchmarks for gross alpha, nitrate, selenium, and uranium. These locations receive ground water discharge from the terrace aquifer and elevated concentrations of contaminants are expected. In addition, terrace location 884 (irrigation ditch return flow) had sample concentrations that exceeded the benchmark values for gross alpha, nitrate, selenium, uranium, and radium 226/228 (slightly above benchmark). As part of the current field investigation, additional sampling will be conducted along these drainages to determine the extent of contamination.


Craig Goodknight
Project Lead

5/10/99
Date


Mark Kautsky
Site Hydrologist

5-10-99
Date

Table 1. Shiprock Wells Exceeding UMTRA standards in March 1999.

Analyte	Standard ¹	Wells Exceeding Standards (concentration in mg/L) ¹
Cadmium	0.010	603 (0.0193), 730 (0.0479)
Gross Alpha ²	15	608 (100.0), 614 (36.0), 615 (171.0), 617 (122.9), 619 (299.0), 735 (87.2), 854 (81.6), 857 (78.1), 602 (91.3), 604 (91.9), 727 (99.1), 731 (65.9), 814 (40.9), 816 (28.0), 819 (278.0), 824 (47.3), 826 (152.5), 828 (24.9), 832 (50.2), 836 (51.3), 839 (32.7), 841 (107.4), 844 (23.7), 848 (39.5), 852 (18.1), 853 (16.0) 855 (23.3)
Nitrate	44.27	608 (2,560), 610 (2,660), 614 (3,480), 615 (2,950), 616 (72.7), 617 (582), 619 (207), 620 (161), 624 (175), 731 (1770), 734 (261), 735 (2,400), 854 (1,970), 600 (538), 602 (119), 603 (4,700), 604 (3,730), 725 (182), 726 (120), 727 (1,680), 728 (538), 730 (479), 812 (5,500), 813 (7,240), 814 (3,860), 815 (2,540), 816 (348), 819 (151), 820 (260), 824 (91.3), 826 (134), 827 (568), 828 (155), 830 (94.1), 832 (1,220), 833 (758), 836 (61.7), 839 (1,990), 841 (2,180), 844 (113), 846 (445), 848 (771)
Radium-226 + 228	5	600 (5.31), 602 (15.28), 727 (8.97), 815 (7.99), 839 (5.59)
Selenium	0.01	610 (0.0401), 614 (0.203), 615 (1.100), 616 (0.0963), 617 (0.0868), 619 (0.279), 620 (0.272), 624 (0.247), 626 (0.0116), 628 (0.0488), 630 (0.116), 734 (0.172), 735 (0.150), 855 (0.106), 603 (0.346), 604 (0.240), 725 (0.518), 726 (0.215), 728 (0.0257), 730 (0.0166), 731 (0.554), 812 (6.690), 813 (0.0812), 814 (3.300), 815 (0.386), 816 (0.206), 826 (0.0636), 827 (0.0131), 828 (0.0380), 830 (0.0257), 832 (1.600), 833 (0.366), 835 (0.0373), 836 (0.142), 837 (0.0130), 838 (0.0472), 839 (0.0105), 841 (3.420), 844 (0.155), 846 (0.890), 847 (0.0396), 848 (0.338)
Uranium	0.044	608 (2.010), 610 (1.590), 612 (0.202), 614 (2.260), 615 (2.240), 616 (0.372), 617 (0.482), 619 (1.610), 620 (1.060), 624 (1.120), 626 (0.0901), 630 (0.130), 734 (0.0991), 735 (0.205), 736 (0.392), 853 (0.224), 854 (3.430), 855 (0.178), 856 (0.160), 857 (0.285), 600 (1.190), 602 (0.801), 604 (0.0438), 725 (0.304), 727 (0.307), 728 (0.214), 812 (0.123), 813 (0.160), 814 (0.142), 815 (0.330), 816 (0.0690), 819 (1.150), 820 (0.203), 826 (3.040), 827 (0.814), 828 (0.315), 832 (0.0471), 833 (0.106), 836 (0.0560), 839 (0.388), 841 (0.103), 848 (0.0519)

¹ Units are in mg/L except for radium-226 and radium-228, which are in pCi/L.

² Uranium activities were subtracted from the gross alpha results in order to compare to the standard, which excludes uranium and radon.

DATA ASSESSMENT

DATA PACKAGE ASSESSMENT

REQUISITION NUMBERS: 16472 SITE: Shiprock LABORATORY: GJO ANALYSIS DATES: 3-9-99 to 4-14-99

REVIEWER: Sam Campbell Sam Campbell 4-23-99
NAME (print) SIGNATURE DATE

	ICP-MS	ICP-AES	GFAA	FAA	NaBH ₄	AS	LSc	PC	IC	Gravimetric	Colorimetric	Other GEMS (VOC)	
CHAIN OF CUSTODY	①	①	NA	①	①	①	①	①	①	①	①	OK	—
HOLDING TIME	OK	OK		OK	OK	OK	OK	OK	OK	OK	②	OK	—
CALIB. VERIFICATION (For AS, internal tracer)	OK	OK		② OK <small>25-22-97</small>	②	OK	OK	OK	OK	NA	OK	NA	—
PREP. BLANKS (Only if digestion)	NA	NA		NA	NA	OK	④	③	NA	NA	NA	OK	—
INT/CONT CAL. BLANKS	OK	⑤	√	OK	OK	NA	NA	NA	⑥	NA	⑦	NA	—
ICP SERIAL DILUTION	OK	OK	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	—
ICS (ICP only)	OK	OK	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	—
LAB. CONTROL SAMPLE	OK	OK		OK	OK	NA	OK	OK	OK	OK	NA	NA	—
DUPLICATES	OK	OK		OK	OK	OK	OK	OK	OK	OK	OK	NA	—
POSTDIGEST. SPKS. (Only if MS fails)	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	—
MATRIX SPKS.	OK	OK		OK	OK	NA	NA	⑧	OK	NA	OK	OK	—
OVERALL ASSESS.	OK	OK	√	OK	OK	OK	OK	OK	OK	OK	OK	OK	—

REVIEWER COMMENTS: ① Time gap exists on 2 COCs. ② As CCU recovery 89.5 - no flag required.
 ③ Prep blank contamination - gross alpha - no samples affected.

ITEMS REQUIRING ATTENTION: ② J flag NH₄ result 257765 because the holding time was exceeded ④ U flag the following Ra-228 results because of prep blank contamination: 257915-257923, 257926, 257927, 257930, 257932, 257934-257938, 257734-257752, 257755. ⑤ U flag the following results because of SCR contamination: mg results 257764 and 257909; Fe results 257717, 719, 928, 736, 743, 746, 747, 911, 912, 915, 917, 918, 925, 927, 935, 940, 941, 943, 945, 947, 948, 950 and 951. ⑥ U flag the following results because of CC6 contamination: Cl results 257751, 909, and 922; NO₃ results 257728, 736, 739, 741, 751, 755, 764, and 926; and SO₄ results 257751, 764, 909 and 922. ⑦ U flag the following NH₄ results because of SCR contamination: 257718, 727, 750, 751, 758, 759, 764, 935, 937, 938 and 940. ⑧ J flag the following gross α results because of matrix spike recovery - 257734-753, 912-923, 926-932, 934-948, and 951-953

UGW Water Sampling Field Activities Verification Checklist

Project Ship rock

Date(s) of Ground Water Sampling 3-1-99 to 3-9-99

Date(s) of Verification 4-23-9

Name of Verifier Sam Campbell

	Response (Yes, No, N/A)	Comments
1. Is the SAP the primary document directing field procedures? List other documents, SOPs, Instructions.	<u>Yes</u>	<u>Sampling work order 2-1-99</u>
2. Were the sampling locations specified in the planning documents sampled?	<u>Yes</u>	<u>Except 13 well and 4 surface locations - all dry</u>
3. Was field equipment calibrated as specified in the above named documents? Were the number and types (alkalinity, temperature, conductivity pH, turbidity, DO, Eh) of field measurements taken as specified? Were the standard solutions used for the calibration and operational checks of the field instruments brought to within 10°C of the temperature of the water to be sampled? Was the calibration information recorded on the field data sheets?	<u>Yes</u> <u>Yes</u> <u>Yes</u>	<u>with the exception of turbidity meter calibration, which was not documented.</u> <u>Alkalinity was not measured at well 819, 820, and 860, and 862; field measurements were not taken at 929 - limited water volume at these wells</u>
4. Was a duplicate alkalinity measurement conducted on a frequency of one duplicate per 20 samples?	<u>Yes</u>	
5. Was depth to water measured before purging? Was this information used to calculate the purge volume?	<u>Yes</u> <u>Yes</u>	
6. If conventional purging was used, were the wells purged until parameters stabilized and 3 casing volumes were removed, until the well was purged dry, or until 10 casing volumes were removed?	<u>Yes</u>	<u>Except at wells 602 and 835 - conductivity was not stable</u>
7. If low-flow purging was used, was the purge rate less than 0.125 gal/min, and was the drawdown less than 0.3 feet?	<u>NA</u>	

- 8. Were duplicates taken at a frequency of one per 20 samples? Yes
- 9. Were equipment blanks taken at a frequency of one per 20 samples that were collected with nondedicated equipment? Yes
- 10. Were trip blanks prepared and included with each shipment of VOC samples? NO No trip blanks for this event.
- 11. Were QC samples assigned a fictitious site identification number? Yes
Was the true identity of the samples recorded in the field notes? Yes
- 12. Were samples collected in the containers specified? Yes
Were certified pre-cleaned containers used for the sampling? Yes
- 13. Were samples filtered and preserved as specified? Yes
- 14. Were the number and types of samples collected as specified? Yes
- 15. Were chain of custody records completed and was sample custody maintained? Yes Time gap on 2 COCs (hand delivered samples)
- 16. Were sample ticket book numbers recorded on field data forms and on the chain of custody? Yes
- 17. Are field data sheets signed and dated by the field team leader? Yes
- 18. Was all other pertinent information documented on the field data sheets? Yes Locations 733, 812, and 832 did not have a well inspection recorded.
- 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

**SHIPROCK, NEW MEXICO
MARCH 1999 SAMPLING
DATA ASSESSMENT SUMMARY**

The DOE-GJO Analytical Laboratory analyzed samples and reported results for this sampling event under requisition number 16472 for the UMTRA Ground Water Project.

RADIOCHEMICAL ANALYSES

The determination of gross alpha was performed using gas proportional counting (PC). Although not requested, gross beta results are included in this report because gross beta activity is determined concurrently with gross alpha activity. The detection limits for gross alpha are higher than those specified in the planning documents due to high TDS in the samples. Polonium-210 was determined using alpha spectrometry (AS). Radium-226 and radium-228 were determined by liquid scintillation spectrometry (LSc).

Radiological results that were less than the minimum detectable activity (MDA) and/or the 3-sigma counting statistic range were qualified with a "U" flag (nondetect) in the database as reflected in the database printouts.

The following gross alpha results were qualified with a "J" flag (estimated) in the database because the matrix spike recovery did not meet criteria: 257734 (619), 257735 (617), 257736 (equipment blank), 257737 (857), 257738 (615), 257739 (853), 257740 (850), 257741 (851), 257742 (852), 257743 (898), 257744 (734), 257745 (894), 257746 (655), 257747 (835), 257748 (844), 257749 (200), 257750 (838), 257751 (equipment blank), 257752 (833), 257753 (846), 257912 (824), 257913 (820), 257914 (827), 257915 (604), 257916 (725), 257917 (662), 257918 (662 duplicate), 257919 (726), 257920 (889), 257921 (886), 257922 (equipment blank), 257923 (863), 257926 (848), 257927 (847), 257928 (600), 257930 (658), 257931 (727), 257932 (888), 257934 (735), 257935 (555), 257936 (612), 257937 (553), 257938 (553), 257939 (616), 257940 (548), 257941 (546), 257942 (620), 257943 (855), 257944 (895), 257945 (895), 257946 (896), 257947 (896), 257948 (897), 257951 (893), 257952 (208), and 257953 (816).

The following radium-228 results were qualified with a "U" flag in the database because of prep blank contamination: 257915 (604), 257916 (725), 257917 (662), 257918 (662 duplicate), 257919 (726), 257920 (889), 257921 (886), 257922 (equipment blank), 257923 (863), 257926 (848), 257927 (847), 257930 (658), 257932 (888), 257934 (735), 257935 (555), 257936 (612), 257937 (553), 257938 (553), 257734 (619), 257735 (617), 257736 (equipment blank), 257737 (857), 257738 (615), 257739 (853), 257740 (850), 257741 (851), 257742 (852), 257743 (898), 257744 (734), 257745 (894), 257746 (655), 257747 (835), 257748 (844), 257749 (844 duplicate), 257750 (838), 257751 (equipment blank), 257752 (833), and 257755 (843).

METALS/MAJOR CATIONS ANALYSES

The determination of calcium, iron, magnesium, manganese, sodium, and strontium was performed by inductively coupled plasma-atomic emission spectrometry (ICP-AES). Antimony, cadmium, and uranium were analyzed using inductively coupled-mass spectrometry (ICP-MS).

Arsenic and selenium were determined by hydride generation (NaBH_4) atomic absorption spectroscopy, and potassium was determined by flame atomic absorption spectroscopy (FAA).

The following results were qualified with a "U" flag in the database because of continuing calibration blank (CCB) contamination: magnesium results 257764 (equipment blank) and 257909 (equipment blank); and iron results 257717 (628), 257719 (425), 257728 (856), 257736 (equipment blank), 257743 (898), 257746 (655), 257747 (835), 257911 (819), 257912 (824), 257915 (604), 257917 (662), 257918 (662 duplicate), 257925 (860), 257927 (847), 257935 (555), 257940 (548), 257941 (546), 257943 (855), 257945 (895), 257947 (896), 257948 (897), 257950 (893), and 257951 (893).

INORGANIC ANALYSES

Chloride, nitrate, and sulfate were determined by ion chromatography (IC), and ammonium was determined by spectrophotometry (or colorimetry). TDS was determined gravimetrically.

Ammonium result 257765 (632) was qualified with a "J" flag in the database because the holding time was exceeded.

The following results were qualified with a "U" flag in the database because of CCB contamination: chloride results 257751 (equipment blank), 257909 (equipment blank), and 257922 (equipment blank); nitrate results 257728 (856), 257736 (equipment blank), 257739 (853), 257741 (851), 257751 (equipment blank), 257755 (843), 257764 (equipment blank), and 257936 (612); sulfate results 257751 (equipment blank), 257764 (equipment blank), 257909 (equipment blank), and 257922 (equipment blank); and ammonium results 257718 (426), 257727 (630), 257750 (838), 257751 (equipment blank), 257758 (837), 257759 (837 duplicate), 257764 (equipment blank), 257935 (555), 257937 (553), 257938 (553), and 257940 (548).

VOLATILE ORGANIC ANALYSES

The determination of target compound list (TCL) volatile organic compounds were conducted using gas chromatography-mass spectrometry (GC-MS). Tentatively identified compounds and their estimated concentrations were also included.

FIELD ANALYSIS/ACTIVITIES

There were no wells with a measured pH greater than 9 during this sampling event; therefore "G" flags indicating potential grout contamination were not required. Because low-flow purging was not used during this sampling event, "F" flags were not required. Results from the following wells were qualified with an "L" flag in the database indicating that less than three casing volumes were removed prior to sampling: 600, 604, 730, 731, 812, 814, 819, 820, 824, 829, 861, 862, and 863.

Five equipment blanks were collected for the 92 locations where samples were collected using non-dedicated equipment. The equipment blanks were analyzed for the same constituents as the Shiprock environmental samples. Concentrations of UMTRA related contaminants were less than the contract required detection limit (CRDL) or MDA/3-sigma in two of the equipment blanks.

Low concentrations of several UMTRA related contaminants were detected in three of the equipment blanks (see equipment blank summary). Detection of these contaminants was attributed to the water used to prepare the equipment blanks, and use of this source water has been discontinued. Although analytes were detected in the equipment blank, impacts to sample quality are considered minimal because of the relatively low equipment blank concentrations.

Five duplicate samples were collected during this event. Duplicate samples were collected at wells 626, 632, 837, and 844 and surface water location 662. There are no established regulatory criteria for the evaluation of field duplicate samples; therefore, EPA guidance for laboratory duplicates (which is conservative for field duplicates) was used to assess duplicate precision. With the exception of two TDS results (24 and 25 relative percent difference) and one ammonium result (94 relative percent difference), duplicate results met the laboratory duplicate criteria (20 relative percent difference); duplicate results are considered acceptable.

SAR

Because of technical constraints, a suspected anomalies report (SAR) could not be generated for the Shiprock site and is not included in this data package. **Instead, historical data were reviewed as part of the evaluation of suspected anomalous data.** Data from this sampling event were compared to historical minimum and maximum values. Results that were greater than 150 percent of the historical maximum value or less than 50 percent of the historical minimum value (excluding results with less than 5 historical data points) are listed on the Anomalous Data Review Checksheet. During the course of this evaluation, it was discovered that the ammonium and nitrate results from wells 632 and 731 were switched by the laboratory. The laboratory report and database were subsequently updated to reflect the proper results. The remainder of the results listed on the checksheet will be compared to results of the next sampling round to make a final determination of validity.

SUMMARY

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 blank/trip blank database printouts. The meaning of data qualifiers is as defined on the UMTRA database printout or as defined in the USEPA 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.

A disk copy of the Ground Water Quality Data by Parameter, Surface Water Quality by Parameter, and equipment blank database printouts with the qualifiers incorporated are included in this package.

David Miller For DM

David Miller
Data Validation Lead

5-10-99

Date

Craig Goodknight

Craig Goodknight
Project Lead

5/10/99

Date

DATA REVIEW CHECKSHEET

ANOMALOUS DATA REVIEW CHECKSHEET

SITE: Shiprock SAMPLING DATA: Groundwater / Surface Water

REVIEWER(s): DAVID Miller [Signature] 4/29/99
NAME (print) SIGNATURE DATE

SITE HYDROLOGIST: Mark Kautsky [Signature] 5-10-99
NAME (print) SIGNATURE DATE

SITE GEOCHEMIST: Craig Goodknight [Signature] 5/10/99
NAME (print) SIGNATURE DATE

DATE OF REVIEW: 4/29/99

WELL NO.	ANALYTE	TYPE OF ANOMALY	DISPOSITION
<u>612</u>	<u>Iron</u>	<u>High</u>	<u>Compare to next round</u>
<u>624</u>	<u>Gross Alpha</u>	<u>Low</u>	<u>↓</u>
* <u>632</u>	<u>Ammonia</u>	<u>High</u>	<u>Reanalysis requested</u>
* <u>632</u>	<u>Nitrate</u>	<u>High</u>	<u>↓</u>
<u>734</u>	<u>Manganese</u>	<u>Low</u>	<u>Compare to next round</u>
<u>734</u>	<u>Ra-228</u>	<u>High</u>	<u>↓</u>
<u>735</u>	<u>Ammonia</u>	<u>High</u>	<u>↓</u>
<u>728</u>	<u>Ammonia</u>	<u>Low</u>	<u>↓</u>
<u>728</u>	<u>Gross Beta</u>	<u>Low</u>	<u>↓</u>
<u>728</u>	<u>Magnesium</u>	<u>Low</u>	<u>↓</u>
<u>728</u>	<u>Nitrate</u>	<u>Low</u>	<u>↓</u>
<u>728</u>	<u>Ra-226</u>	<u>Low</u>	<u>↓</u>
* <u>731</u>	<u>Ammonia</u>	<u>Low</u>	<u>Reanalysis Requested</u>
* <u>731</u>	<u>Nitrate</u>	<u>Low</u>	<u>↓</u>
* <u>See</u>	<u>Data Assessment Summary</u>		

sample switch was discovered prior to reanalysis - reanalysis was not required 8C5-10-99

sample switch was discovered prior to reanalysis - reanalysis was not required 8C5-10-99

**ANALYTICAL
LABORATORY
RESULTS**

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0608	03/03/1999	0001	KM	D	1080	#	-	-
	mg/L	0608	03/03/1999	N001	KM	D	1051	#	-	-
	mg/L	0610	03/03/1999	0001	AL	D	518	#	-	-
	mg/L	0610	03/03/1999	N001	AL	D	437	#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	276	#	-	-
	mg/L	0612	03/06/1999	N001	AL	D	276	#	-	-
	mg/L	0614	03/03/1999	0001	AL	D	642	#	-	-
	mg/L	0614	03/03/1999	N001	AL	D	668	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	664	#	-	-
	mg/L	0615	03/03/1999	N001	AL	D	680	#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	280	#	-	-
	mg/L	0616	03/07/1999	N001	AL	D	285	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	224	#	-	-
	mg/L	0617	03/03/1999	N001	AL	D	347	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	1005	#	-	-
	mg/L	0619	03/03/1999	N001	AL	D	1064	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	1076	#	-	-
	mg/L	0620	03/07/1999	N001	AL	D	1217	#	-	-
	mg/L	0624	03/03/1999	0001	AL	D	883	#	-	-
	mg/L	0624	03/03/1999	N001	AL	D	880	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	425	#	-	-
	mg/L	0626	03/03/1999	N001	AL	D	422	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	134	#	-	-
	mg/L	0628	03/04/1999	N001	AL	D	136	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	287	#	-	-
	mg/L	0630	03/02/1999	N001	AL	D	287	#	-	-
mg/L	0631	03/04/1999	0001	AL	D	467	#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0631	03/04/1999	N001	AL	D	460	#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	455	#	-	-
	mg/L	0632	03/05/1999	N001	AL	D	464	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	222	#	-	-
	mg/L	0732	03/05/1999	N001	AL	N	218	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	418	#	-	-
	mg/L	0733	03/05/1999	N001	AL	N	406	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	623	#	-	-
	mg/L	0734	03/02/1999	N001	AL	N	608	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	618	#	-	-
	mg/L	0735	03/06/1999	N001	AL	N	623	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	558	#	-	-
	mg/L	0736	03/02/1999	N001	AL	N	575	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	322	#	-	-
	mg/L	0850	03/02/1999	N001	AL	N	325	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	282	#	-	-
	mg/L	0851	03/02/1999	N001	AL	N	284	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	282	#	-	-
	mg/L	0852	03/02/1999	N001	AL	N	270	#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	273	#	-	-
	mg/L	0853	03/03/1999	N001	AL	N	270	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	1139	#	-	-
	mg/L	0854	03/02/1999	N001	AL	N	1149	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	344	#	-	-
	mg/L	0855	03/08/1999	N001	AL	N	347	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	272	#	-	-
	mg/L	0856	03/02/1999	N001	AL	N	268	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:		DETECTION LIMIT	UN-CERTAINTY	
			DATE	ID				LAB	DATA QA			
Alkalinity as CaCO3	mg/L	0857	03/03/1999	0001	AL	N	376		#	-	-	
	mg/L	0857	03/03/1999	N001	AL	N	378		#	-	-	
	mg/L	0863	03/08/1999	N001	KM	N	170	L	#	-	-	
Ammonia as NH4	mg/L	0608	03/03/1999	0001	KM	D	602.000		#	-	-	
	mg/L	0610	03/03/1999	0001	AL	D	113.000		#	-	-	
	mg/L	0612	03/06/1999	0001	AL	D	3.620		#	-	-	
	mg/L	0614	03/03/1999	0001	AL	D	56.500		#	-	-	
	mg/L	0615	03/03/1999	0001	AL	D	96.800		#	-	-	
	mg/L	0616	03/07/1999	0001	AL	D	12.000		#	-	-	
	mg/L	0617	03/03/1999	0001	AL	D	58.200		#	-	-	
	mg/L	0619	03/03/1999	0001	AL	D	8.950		#	-	-	
	mg/L	0620	03/07/1999	0001	AL	D	0.0334	B	#	-	-	
	mg/L	0624	03/03/1999	0001	AL	D	6.220		#	-	-	
	mg/L	0626	03/03/1999	0001	AL	D	0.0686	B	#	-	-	
	mg/L	0626	03/03/1999	0002	AL	D	0.0686	B	#	-	-	
	mg/L	0628	03/04/1999	0001	AL	D	0.0390	B	#	-	-	
	mg/L	0630	03/02/1999	0001	AL	D	0.0174	B	U	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	0.0930	B	#	-	-	
	mg/L	0632	03/05/1999	0001	AL	D	0.179		J	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	0.0647	B	#	-	-	
	mg/L	0732	03/05/1999	0001	AL	N	0.339		#	-	-	
	mg/L	0733	03/05/1999	0001	AL	N	0.0502	B	#	-	-	
	mg/L	0734	03/02/1999	0001	AL	N	0.0279	B	#	-	-	
	mg/L	0735	03/06/1999	0001	AL	N	25.300		#	-	-	
	mg/L	0736	03/02/1999	0001	AL	N	0.0607	B	#	-	-	
	mg/L	0850	03/02/1999	0001	AL	N	0.111		#	-	-	
	mg/L	0851	03/02/1999	0001	AL	N	0.115		#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Ammonia as NH4	mg/L	0852	03/02/1999	0001	AL	N	0.0262	B #	-	-
	mg/L	0853	03/03/1999	0001	AL	N	0.385	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	38.400	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	0.0295	B #	-	-
	mg/L	0856	03/02/1999	0001	AL	N	0.0843	B #	-	-
	mg/L	0857	03/03/1999	0001	AL	N	29.000	#	-	-
	mg/L	0860	03/08/1999	0001	KM	N	7.650	#	-	-
	mg/L	0862	03/08/1999	0001	KM	N	4.070	L #	-	-
	mg/L	0863	03/08/1999	0001	KM	N	2.500	L #	-	-
Antimony	mg/L	0608	03/03/1999	0001	KM	D	0.0010	U #	0.001	-
	mg/L	0610	03/03/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0612	03/06/1999	0001	AL	D	0.0023	B #	-	-
	mg/L	0614	03/03/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0615	03/03/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0616	03/07/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0617	03/03/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0619	03/03/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0620	03/07/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0624	03/03/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0626	03/03/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0626	03/03/1999	0002	AL	D	0.0010	U #	0.001	-
	mg/L	0628	03/04/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0630	03/02/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0631	03/04/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0632	03/05/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0632	03/05/1999	0002	AL	D	0.0010	U #	0.001	-
	mg/L	0732	03/05/1999	0001	AL	N	0.0010	U #	0.001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Antimony	mg/L	0733	03/05/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0734	03/02/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0735	03/06/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0736	03/02/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0850	03/02/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0851	03/02/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0852	03/02/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0853	03/03/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0854	03/02/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0855	03/08/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0856	03/02/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0857	03/03/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0860	03/08/1999	0001	KM	N	0.0047		#		-	-
	mg/L	0863	03/08/1999	0001	KM	N	0.0010	U	L	#	0.001	-
	Arsenic	mg/L	0608	03/03/1999	0001	KM	D	0.0010	U	#		0.001
mg/L		0610	03/03/1999	0001	AL	D	0.0010	U	#		0.001	-
mg/L		0612	03/06/1999	0001	AL	D	0.0031	B	#		-	-
mg/L		0614	03/03/1999	0001	AL	D	0.0010	U	#		0.001	-
mg/L		0615	03/03/1999	0001	AL	D	0.0010	U	#		0.001	-
mg/L		0616	03/07/1999	0001	AL	D	0.0010	U	#		0.001	-
mg/L		0617	03/03/1999	0001	AL	D	0.0010	U	#		0.001	-
mg/L		0619	03/03/1999	0001	AL	D	0.0010	U	#		0.001	-
mg/L		0620	03/07/1999	0001	AL	D	0.0010	U	#		0.001	-
mg/L		0624	03/03/1999	0001	AL	D	0.0010	U	#		0.001	-
mg/L		0626	03/03/1999	0001	AL	D	0.0010	U	#		0.001	-
mg/L		0626	03/03/1999	0002	AL	D	0.0010	U	#		0.001	-
mg/L		0628	03/04/1999	0001	AL	D	0.0010	U	#		0.001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
			DATE	ID				LAB	DATA QA		
Arsenic	mg/L	0630	03/02/1999	0001	AL	D	0.0010	U	#	0.001	-
	mg/L	0631	03/04/1999	0001	AL	D	0.0010	U	#	0.001	-
	mg/L	0632	03/05/1999	0001	AL	D	0.0010	U	#	0.001	-
	mg/L	0632	03/05/1999	0002	AL	D	0.0010	U	#	0.001	-
	mg/L	0732	03/05/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0733	03/05/1999	0001	AL	N	0.0035	B	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0735	03/06/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0736	03/02/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0850	03/02/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0851	03/02/1999	0001	AL	N	0.0011	B	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0853	03/03/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0854	03/02/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0855	03/08/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0856	03/02/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0857	03/03/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0860	03/08/1999	0001	KM	N	0.0011	B	#	-	-
	mg/L	0863	03/08/1999	0001	KM	N	0.0010	U	L #	0.001	-
Cadmium	mg/L	0608	03/03/1999	0001	KM	D	0.0010	U	#	0.001	-
	mg/L	0610	03/03/1999	0001	AL	D	0.0010	U	#	0.001	-
	mg/L	0612	03/06/1999	0001	AL	D	0.0010	U	#	0.001	-
	mg/L	0614	03/03/1999	0001	AL	D	0.0010	U	#	0.001	-
	mg/L	0615	03/03/1999	0001	AL	D	0.0010	U	#	0.001	-
	mg/L	0616	03/07/1999	0001	AL	D	0.0010	U	#	0.001	-
	mg/L	0617	03/03/1999	0001	AL	D	0.0010	U	#	0.001	-
	mg/L	0619	03/03/1999	0001	AL	D	0.0010	U	#	0.001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY	
Cadmium	mg/L	0620	03/07/1999	0001	AL	D	0.0010	U #	0.001	-	
	mg/L	0624	03/03/1999	0001	AL	D	0.0010	U #	0.001	-	
	mg/L	0626	03/03/1999	0001	AL	D	0.0010	U #	0.001	-	
	mg/L	0626	03/03/1999	0002	AL	D	0.0010	U #	0.001	-	
	mg/L	0628	03/04/1999	0001	AL	D	0.0010	U #	0.001	-	
	mg/L	0630	03/02/1999	0001	AL	D	0.0010	U #	0.001	-	
	mg/L	0631	03/04/1999	0001	AL	D	0.0010	U #	0.001	-	
	mg/L	0632	03/05/1999	0001	AL	D	0.0010	U #	0.001	-	
	mg/L	0632	03/05/1999	0002	AL	D	0.0010	U #	0.001	-	
	mg/L	0732	03/05/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0733	03/05/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0734	03/02/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0735	03/06/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0736	03/02/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0850	03/02/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0851	03/02/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0852	03/02/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0853	03/03/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0854	03/02/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0855	03/08/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0856	03/02/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0857	03/03/1999	0001	AL	N	0.0010	U #	0.001	-	
	mg/L	0860	03/08/1999	0001	KM	N	0.0010	U #	0.001	-	
	mg/L	0863	03/08/1999	0001	KM	N	0.0010	U L #	0.001	-	
	Calcium	mg/L	0608	03/03/1999	0001	KM	D	462.000	#	-	-
		mg/L	0610	03/03/1999	0001	AL	D	495.000	#	-	-
		mg/L	0612	03/06/1999	0001	AL	D	140.000	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Calcium	mg/L	0614	03/03/1999	0001	AL	D	519.000	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	458.000	#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	484.000	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	466.000	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	419.000	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	418.000	#	-	-
	mg/L	0624	03/03/1999	0001	AL	D	399.000	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	225.000	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	223.000	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	211.000	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	259.000	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	352.000	#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	350.000	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	348.000	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	109.000	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	363.000	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	417.000	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	428.000	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	390.000	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	182.000	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	214.000	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	221.000	#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	397.000	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	434.000	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	365.000	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	309.000	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	499.000	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Calcium	mg/L	0860	03/08/1999	0001	KM	N	23.800	#	-	-
	mg/L	0863	03/08/1999	0001	KM	N	39.800	L #	-	-
Chloride	mg/L	0608	03/03/1999	0001	KM	D	350.000	#	-	-
	mg/L	0610	03/03/1999	0001	AL	D	321.000	#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	39.900	#	-	-
	mg/L	0614	03/03/1999	0001	AL	D	458.000	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	520.000	#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	56.900	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	131.000	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	609.000	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	455.000	#	-	-
	mg/L	0624	03/03/1999	0001	AL	D	378.000	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	74.800	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	76.400	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	66.100	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	82.900	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	164.000	#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	152.000	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	160.000	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	40.900	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	107.000	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	283.000	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	383.000	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	227.000	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	70.400	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	69.700	#	-	-
mg/L	0852	03/02/1999	0001	AL	N	75.100	#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0853	03/03/1999	0001	AL	N	49.400	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	1230.000	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	119.000	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	92.700	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	105.000	#	-	-
	mg/L	0860	03/08/1999	0001	KM	N	1430.000	#	-	-
	mg/L	0862	03/08/1999	0001	KM	N	1470.000	L #	-	-
	mg/L	0863	03/08/1999	0001	KM	N	80.300	L #	-	-
Gross Alpha	pCi/L	0608	03/03/1999	0001	KM	D	1480	#	109	± 222.
	pCi/L	0610	03/03/1999	0001	AL	D	1001	#	95	± 170.
	pCi/L	0612	03/06/1999	0001	AL	D	145.0	J #	20.3	± 25.3
	pCi/L	0614	03/03/1999	0001	AL	D	1588	#	136	± 257.
	pCi/L	0615	03/03/1999	0001	AL	D	1709	J #	135	± 265.
	pCi/L	0616	03/07/1999	0001	AL	D	255.7	J #	31.8	± 41.5
	pCi/L	0617	03/03/1999	0001	AL	D	453.9	J #	41	± 75.3
	pCi/L	0619	03/03/1999	0001	AL	D	1405	J #	124	± 231.
	pCi/L	0620	03/07/1999	0001	AL	D	742.5	J #	139.6	± 153.
	pCi/L	0624	03/03/1999	0001	AL	D	52.47	U #	52.47	± 31.7
	pCi/L	0626	03/03/1999	0001	AL	D	47.24	#	26.95	± 22.7
	pCi/L	0626	03/03/1999	0002	AL	D	32.06	#	26.95	± 20.1
	pCi/L	0628	03/04/1999	0001	AL	D	21.51	U #	21.51	± 13.9
	pCi/L	0630	03/02/1999	0001	AL	D	70.46	#	27.94	± 26.8
	pCi/L	0631	03/04/1999	0001	AL	D	39.76	U #	39.76	± 24.0
	pCi/L	0632	03/05/1999	0001	AL	D	40.24	U #	40.24	± 24.8
	pCi/L	0632	03/05/1999	0002	AL	D	49.31	U #	49.31	± 28.1
	pCi/L	0732	03/05/1999	0001	AL	N	10.32	U #	10.32	± 6.23
	pCi/L	0733	03/05/1999	0001	AL	N	37.02	U #	37.02	± 21.6

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Gross Alpha	pCi/L	0734	03/02/1999	0001	AL	N	65.87	U	J	#	65.87	± 42.8
	pCi/L	0735	03/06/1999	0001	AL	N	228.1		J	#	75.5	± 77.9
	pCi/L	0736	03/02/1999	0001	AL	N	245.3			#	71.7	± 77.7
	pCi/L	0850	03/02/1999	0001	AL	N	21.47		J	#	16.1	± 12.4
	pCi/L	0851	03/02/1999	0001	AL	N	15.51		UJ	#	14.77	± 10.6
	pCi/L	0852	03/02/1999	0001	AL	N	29.87		J	#	16.36	± 14.0
	pCi/L	0853	03/03/1999	0001	AL	N	169.9		J	#	16.9	± 29.6
	pCi/L	0854	03/02/1999	0001	AL	N	2438			#	217	± 402.
	pCi/L	0855	03/08/1999	0001	AL	N	145.6		J	#	55.1	± 47.3
	pCi/L	0856	03/02/1999	0001	AL	N	75.73			#	30.15	± 28.9
	pCi/L	0857	03/03/1999	0001	AL	N	274.1		J	#	31.3	± 51.4
	pCi/L	0863	03/08/1999	0001	KM	N	5.36		JL	#	2.68	± 2.36
	Gross Beta	pCi/L	0608	03/03/1999	0001	KM	D	603.4			#	125.9
pCi/L		0610	03/03/1999	0001	AL	D	503.4			#	122.8	± 91.9
pCi/L		0612	03/06/1999	0001	AL	D	66.52			#	24.75	± 17.3
pCi/L		0614	03/03/1999	0001	AL	D	898.5			#	165.5	± 132.
pCi/L		0615	03/03/1999	0001	AL	D	947.5			#	166.2	± 134.
pCi/L		0616	03/07/1999	0001	AL	D	123.7			#	31.9	± 24.1
pCi/L		0617	03/03/1999	0001	AL	D	231.9			#	49.5	± 38.1
pCi/L		0619	03/03/1999	0001	AL	D	753.5			#	164.2	± 125.
pCi/L		0620	03/07/1999	0001	AL	D	385.0			#	154.1	± 107.
pCi/L		0624	03/03/1999	0001	AL	D	91.17	U		#	91.17	± 53.1
pCi/L		0626	03/03/1999	0001	AL	D	40.19			#	31.38	± 19.8
pCi/L		0626	03/03/1999	0002	AL	D	40.79			#	31.28	± 19.8
pCi/L		0628	03/04/1999	0001	AL	D	34.24			#	23.49	± 15.0
pCi/L		0630	03/02/1999	0001	AL	D	48.25			#	31.59	± 20.3
pCi/L		0631	03/04/1999	0001	AL	D	39.88	U		#	39.88	± 22.9

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Gross Beta	pCi/L	0632	03/05/1999	0001	AL	D	39.95	U #	39.95	± 24.2
	pCi/L	0632	03/05/1999	0002	AL	D	58.54	U #	58.54	± 33.8
	pCi/L	0732	03/05/1999	0001	AL	N	10.01	U #	10.01	± 6.17
	pCi/L	0733	03/05/1999	0001	AL	N	39.53	U #	39.53	± 23.3
	pCi/L	0734	03/02/1999	0001	AL	N	91.60	#	77.86	± 48.9
	pCi/L	0735	03/06/1999	0001	AL	N	105.0	#	94.4	± 59.0
	pCi/L	0736	03/02/1999	0001	AL	N	174.0	#	79.5	± 53.5
	pCi/L	0850	03/02/1999	0001	AL	N	19.95	#	18.78	± 11.7
	pCi/L	0851	03/02/1999	0001	AL	N	18.28	#	15.73	± 9.88
	pCi/L	0852	03/02/1999	0001	AL	N	21.59	#	18.85	± 11.8
	pCi/L	0853	03/03/1999	0001	AL	N	86.97	#	19.74	± 15.0
	pCi/L	0854	03/02/1999	0001	AL	N	1045	#	249	± 187.
	pCi/L	0855	03/08/1999	0001	AL	N	60.31	U #	60.31	± 36.9
	pCi/L	0856	03/02/1999	0001	AL	N	65.72	#	31.75	± 21.2
	pCi/L	0857	03/03/1999	0001	AL	N	166.4	#	37.6	± 28.7
pCi/L	0863	03/08/1999	0001	KM	N	9.87	L #	2.96	± 2.14	
Iron	mg/L	0608	03/03/1999	0001	KM	D	0.0050	U #	0.005	-
	mg/L	0610	03/03/1999	0001	AL	D	0.0050	U #	0.005	-
	mg/L	0612	03/06/1999	0001	AL	D	0.607	#	-	-
	mg/L	0614	03/03/1999	0001	AL	D	0.0050	U #	0.005	-
	mg/L	0615	03/03/1999	0001	AL	D	0.0050	U #	0.005	-
	mg/L	0616	03/07/1999	0001	AL	D	0.0050	U #	0.005	-
	mg/L	0617	03/03/1999	0001	AL	D	0.0050	U #	0.005	-
	mg/L	0619	03/03/1999	0001	AL	D	0.0050	U #	0.005	-
	mg/L	0620	03/07/1999	0001	AL	D	0.0050	U #	0.005	-
	mg/L	0624	03/03/1999	0001	AL	D	0.0050	U #	0.005	-
	mg/L	0626	03/03/1999	0001	AL	D	0.0050	U #	0.005	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Iron	mg/L	0626	03/03/1999	0002	AL	D	0.0050	U		#	0.005	-
	mg/L	0628	03/04/1999	0001	AL	D	0.0249	B	U	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	0.0050	U		#	0.005	-
	mg/L	0631	03/04/1999	0001	AL	D	0.308			#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	0.178			#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	0.173			#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0733	03/05/1999	0001	AL	N	3.790			#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0735	03/06/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0736	03/02/1999	0001	AL	N	0.0864			#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	0.364			#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	0.594			#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	0.288			#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	0.932			#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0855	03/08/1999	0001	AL	N	0.0172	B	U	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	0.0356		U	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	3.530			#	-	-
	mg/L	0860	03/08/1999	0001	KM	N	0.0468		U	#	-	-
mg/L	0863	03/08/1999	0001	KM	N	0.0050	U	L	#	0.005	-	
Magnesium	mg/L	0608	03/03/1999	0001	KM	D	2000.000			#	-	-
	mg/L	0610	03/03/1999	0001	AL	D	1610.000			#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	106.000			#	-	-
	mg/L	0614	03/03/1999	0001	AL	D	2440.000			#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	2160.000			#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	228.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0617	03/03/1999	0001	AL	D	540.000	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	1420.000	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	1300.000	#	-	-
	mg/L	0624	03/03/1999	0001	AL	D	966.000	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	73.700	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	72.900	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	33.700	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	94.500	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	204.000	#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	254.000	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	254.000	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	52.100	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	250.000	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	645.000	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	945.000	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	599.000	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	34.200	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	41.700	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	38.800	#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	152.000	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	3540.000	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	134.000	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	119.000	#	-	-
mg/L	0857	03/03/1999	0001	AL	N	309.000	#	-	-	
mg/L	0860	03/08/1999	0001	KM	N	7.370	#	-	-	
mg/L	0863	03/08/1999	0001	KM	N	7.670	L #	-	-	
Manganese	mg/L	0608	03/03/1999	0001	KM	D	9.300	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Manganese	mg/L	0610	03/03/1999	0001	AL	D	3.040	#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	0.944	#	-	-
	mg/L	0614	03/03/1999	0001	AL	D	6.380	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	6.840	#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	1.650	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	5.570	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	6.360	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	2.450	#	-	-
	mg/L	0624	03/03/1999	0001	AL	D	4.620	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	1.140	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	1.120	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	1.380	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	0.296	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	5.300	#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	6.960	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	6.900	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	0.0151	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	3.220	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	0.385	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	3.900	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	3.580	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	2.290	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	1.250	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	0.996	#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	2.250	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	12.800	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	2.360	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Manganese	mg/L	0856	03/02/1999	0001	AL	N	1.510	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	5.060	#	-	-
	mg/L	0860	03/08/1999	0001	KM	N	0.0354	#	-	-
	mg/L	0863	03/08/1999	0001	KM	N	0.0524	L #	-	-
Nitrate	mg/L	0608	03/03/1999	0001	KM	D	2560.000	#	-	-
	mg/L	0610	03/03/1999	0001	AL	D	2660.000	#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	0.0523	B U #	-	-
	mg/L	0614	03/03/1999	0001	AL	D	3480.000	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	2950.000	#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	72.700	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	582.000	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	207.000	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	161.000	#	-	-
	mg/L	0624	03/03/1999	0001	AL	D	175.000	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	1.400	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	1.370	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	0.917	B #	-	-
	mg/L	0630	03/02/1999	0001	AL	D	20.800	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	0.0110	U #	0.011	-
	mg/L	0632	03/05/1999	0001	AL	D	1.310	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	1.290	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	30.600	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	1.360	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	261.000	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	2400.000	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	1.670	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	0.194	B #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION/ LIMIT	UN-CERTAINTY
Nitrate	mg/L	0851	03/02/1999	0001	AL	N	0.0134	B	U	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	0.516	B		#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	0.0414	B	U	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	1970.000			#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	17.800			#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	0.0324	B	U	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	0.217	B		#	-	-
	mg/L	0860	03/08/1999	0001	KM	N	0.423	B		#	-	-
	mg/L	0862	03/08/1999	0001	KM	N	0.878	B	L	#	-	-
	mg/L	0863	03/08/1999	0001	KM	N	3.150		L	#	-	-
pH	s.u.	0608	03/03/1999	N001	KM	D	6.75			#	-	-
	s.u.	0610	03/03/1999	N001	AL	D	7.06			#	-	-
	s.u.	0612	03/06/1999	N001	AL	D	7.35			#	-	-
	s.u.	0614	03/03/1999	N001	AL	D	6.97			#	-	-
	s.u.	0615	03/03/1999	N001	AL	D	6.84			#	-	-
	s.u.	0616	03/07/1999	N001	AL	D	7.13			#	-	-
	s.u.	0617	03/03/1999	N001	AL	D	7.00			#	-	-
	s.u.	0619	03/03/1999	N001	AL	D	7.04			#	-	-
	s.u.	0620	03/07/1999	N001	AL	D	6.87			#	-	-
	s.u.	0624	03/03/1999	N001	AL	D	7.04			#	-	-
	s.u.	0626	03/03/1999	N001	AL	D	7.31			#	-	-
	s.u.	0628	03/04/1999	N001	AL	D	7.56			#	-	-
	s.u.	0630	03/02/1999	N001	AL	D	7.48			#	-	-
	s.u.	0631	03/04/1999	N001	AL	D	6.88			#	-	-
	s.u.	0632	03/05/1999	N001	AL	D	7.11			#	-	-
	s.u.	0732	03/05/1999	N001	AL	N	7.32			#	-	-
	s.u.	0733	03/05/1999	N001	AL	N	7.00			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0734	03/02/1999	N001	AL	N	7.12	#	-	-
	s.u.	0735	03/06/1999	N001	AL	N	7.03	#	-	-
	s.u.	0736	03/02/1999	N001	AL	N	7.52	#	-	-
	s.u.	0850	03/02/1999	N001	AL	N	7.47	#	-	-
	s.u.	0851	03/02/1999	N001	AL	N	7.48	#	-	-
	s.u.	0852	03/02/1999	N001	AL	N	7.46	#	-	-
	s.u.	0853	03/03/1999	N001	AL	N	7.12	#	-	-
	s.u.	0854	03/02/1999	N001	AL	N	7.19	#	-	-
	s.u.	0855	03/08/1999	N001	AL	N	7.27	#	-	-
	s.u.	0856	03/02/1999	N001	AL	N	7.41	#	-	-
	s.u.	0857	03/03/1999	N001	AL	N	7.08	#	-	-
	s.u.	0860	03/08/1999	N001	KM	N	8.23	#	-	-
	s.u.	0862	03/08/1999	N001	KM	N	7.62	L #	-	-
	s.u.	0863	03/08/1999	N001	KM	N	8.26	L #	-	-
	Polonium-210	pCi/L	0608	03/03/1999	0001	KM	D	0.18	U #	0.18
pCi/L		0610	03/03/1999	0001	AL	D	0.08	U #	0.08	± 0.10
pCi/L		0612	03/06/1999	0001	AL	D	0	U #	0.24	± 0.21
pCi/L		0614	03/03/1999	0001	AL	D	0.16	U #	0.16	± -0.14
pCi/L		0615	03/03/1999	0001	AL	D	0.10	U #	0.1	± 0.11
pCi/L		0616	03/07/1999	0001	AL	D	0.13	U #	0.13	± 0.13
pCi/L		0617	03/03/1999	0001	AL	D	0.18	U #	0.18	± -0.12
pCi/L		0619	03/03/1999	0001	AL	D	0.15	U #	0.15	± 0.14
pCi/L		0620	03/07/1999	0001	AL	D	0.10	U #	0.1	± 0.09
pCi/L		0624	03/03/1999	0001	AL	D	0.14	U #	0.14	± 0.13
pCi/L		0626	03/03/1999	0001	AL	D	0.07	U #	0.07	± 0.08
pCi/L		0626	03/03/1999	0002	AL	D	0.15	U #	0.15	± 0.15
pCi/L		0628	03/04/1999	0001	AL	D	0.22	U #	0.22	± -0.17

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Polonium-210	pCi/L	0630	03/02/1999	0001	AL	D	0.15	U #	0.15	± 0.15
	pCi/L	0631	03/04/1999	0001	AL	D	0.20	U #	0.2	± -0.16
	pCi/L	0632	03/05/1999	0001	AL	D	0.12	U #	0.12	± 0.13
	pCi/L	0632	03/05/1999	0002	AL	D	0.11	U #	0.11	± 0.10
	pCi/L	0732	03/05/1999	0001	AL	N	0.17	U #	0.17	± 0.19
	pCi/L	0733	03/05/1999	0001	AL	N	0.21	U #	0.21	± 0.22
	pCi/L	0734	03/02/1999	0001	AL	N	0.16	U #	0.16	± 0.19
	pCi/L	0735	03/06/1999	0001	AL	N	0.11	U #	0.11	± 0.12
	pCi/L	0736	03/02/1999	0001	AL	N	0.13	U #	0.13	± -0.11
	pCi/L	0850	03/02/1999	0001	AL	N	0.12	U #	0.12	± 0.11
	pCi/L	0851	03/02/1999	0001	AL	N	0.11	U #	0.11	± 0.12
	pCi/L	0852	03/02/1999	0001	AL	N	0.11	U #	0.11	± 0.13
	pCi/L	0853	03/03/1999	0001	AL	N	0.06	U #	0.06	± 0.07
	pCi/L	0854	03/02/1999	0001	AL	N	0.24	U #	0.11	± 0.21
	pCi/L	0855	03/08/1999	0001	AL	N	0	U #	0.15	± 0.14
	pCi/L	0856	03/02/1999	0001	AL	N	0.12	U #	0.12	± 0.11
	pCi/L	0857	03/03/1999	0001	AL	N	0.10	U #	0.1	± -0.08
pCi/L	0863	03/08/1999	0001	KM	N	0.30	U L #	0.3	± -0.26	
Potassium	mg/L	0608	03/03/1999	0001	KM	D	148.000	#	-	-
	mg/L	0610	03/03/1999	0001	AL	D	106.000	#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	11.900	#	-	-
	mg/L	0614	03/03/1999	0001	AL	D	110.000	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	109.000	#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	31.500	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	47.100	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	68.800	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	46.600	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Potassium	mg/L	0624	03/03/1999	0001	AL	D	50.600	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	14.000	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	13.900	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	9.150	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	10.000	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	7.770	#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	7.890	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	7.790	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	3.670	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	5.290	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	18.000	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	32.500	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	37.200	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	5.110	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	4.620	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	5.110	#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	22.700	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	90.200	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	12.800	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	17.800	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	23.600	#	-	-
	mg/L	0860	03/08/1999	0001	KM	N	19.500	#	-	-
	mg/L	0863	03/08/1999	0001	KM	N	9.690	L #	-	-
Radium-226	pCi/L	0608	03/03/1999	0001	KM	D	0.12	U #	0.12	± 0.07
	pCi/L	0610	03/03/1999	0001	AL	D	0.12	U #	0.12	± 0.07
	pCi/L	0612	03/06/1999	0001	AL	D	0.11	U #	0.11	± 0.06
	pCi/L	0614	03/03/1999	0001	AL	D	0.13	U #	0.13	± 0.07

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Radium-226	pCi/L	0615	03/03/1999	0001	AL	D	0.15	U #	0.15	± 0.08
	pCi/L	0616	03/07/1999	0001	AL	D	0.10	U #	0.1	± 0.06
	pCi/L	0617	03/03/1999	0001	AL	D	0.14	U #	0.14	± 0.07
	pCi/L	0619	03/03/1999	0001	AL	D	0.15	U #	0.15	± 0.08
	pCi/L	0620	03/07/1999	0001	AL	D	0.13	U #	0.13	± 0.07
	pCi/L	0624	03/03/1999	0001	AL	D	0.12	U #	0.12	± 0.07
	pCi/L	0626	03/03/1999	0001	AL	D	0.11	U #	0.11	± 0.07
	pCi/L	0626	03/03/1999	0002	AL	D	0.11	U #	0.11	± 0.06
	pCi/L	0628	03/04/1999	0001	AL	D	0.12	U #	0.12	± 0.07
	pCi/L	0630	03/02/1999	0001	AL	D	0.12	U #	0.12	± 0.07
	pCi/L	0631	03/04/1999	0001	AL	D	0.10	U #	0.1	± 0.06
	pCi/L	0632	03/05/1999	0001	AL	D	0.10	U #	0.1	± 0.06
	pCi/L	0632	03/05/1999	0002	AL	D	0.10	U #	0.1	± 0.06
	pCi/L	0732	03/05/1999	0001	AL	N	0.11	U #	0.11	± 0.06
	pCi/L	0733	03/05/1999	0001	AL	N	0.10	U #	0.1	± 0.06
	pCi/L	0734	03/02/1999	0001	AL	N	0.17	U #	0.17	± 0.09
	pCi/L	0735	03/06/1999	0001	AL	N	0.11	U #	0.11	± 0.07
	pCi/L	0736	03/02/1999	0001	AL	N	0.11	U #	0.11	± 0.06
	pCi/L	0850	03/02/1999	0001	AL	N	0.14	U #	0.14	± 0.09
	pCi/L	0851	03/02/1999	0001	AL	N	0.14	U #	0.14	± 0.08
	pCi/L	0852	03/02/1999	0001	AL	N	0.12	U #	0.12	± 0.07
	pCi/L	0853	03/03/1999	0001	AL	N	0.13	U #	0.13	± 0.07
	pCi/L	0854	03/02/1999	0001	AL	N	0.12	U #	0.12	± 0.07
	pCi/L	0855	03/08/1999	0001	AL	N	0.11	U #	0.11	± 0.06
	pCi/L	0856	03/02/1999	0001	AL	N	0.11	U #	0.11	± 0.07
	pCi/L	0857	03/03/1999	0001	AL	N	0.14	U #	0.14	± 0.08
	pCi/L	0863	03/08/1999	0001	KM	N	0.18	L #	0.11	± 0.08

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Radium-228	pCi/L	0608	03/03/1999	0001	KM	D	1.19	#	0.67	± 0.41
	pCi/L	0610	03/03/1999	0001	AL	D	0.69	U #	0.69	± 0.41
	pCi/L	0612	03/06/1999	0001	AL	D	0.73	U #	0.62	± 0.38
	pCi/L	0614	03/03/1999	0001	AL	D	1.06	#	0.67	± 0.41
	pCi/L	0615	03/03/1999	0001	AL	D	1.51	U #	0.78	± 0.49
	pCi/L	0616	03/07/1999	0001	AL	D	0.62	U #	0.62	± 0.37
	pCi/L	0617	03/03/1999	0001	AL	D	0.97	U #	0.75	± 0.46
	pCi/L	0619	03/03/1999	0001	AL	D	1.00	U #	0.78	± 0.48
	pCi/L	0620	03/07/1999	0001	AL	D	1.15	#	0.71	± 0.44
	pCi/L	0624	03/03/1999	0001	AL	D	1.34	#	0.71	± 0.44
	pCi/L	0626	03/03/1999	0001	AL	D	0.73	#	0.67	± 0.41
	pCi/L	0626	03/03/1999	0002	AL	D	0.66	U #	0.66	± 0.40
	pCi/L	0628	03/04/1999	0001	AL	D	1.17	#	0.66	± 0.41
	pCi/L	0630	03/02/1999	0001	AL	D	0.71	U #	0.71	± 0.42
	pCi/L	0631	03/04/1999	0001	AL	D	0.59	U #	0.59	± 0.35
	pCi/L	0632	03/05/1999	0001	AL	D	0.61	#	0.6	± 0.36
	pCi/L	0632	03/05/1999	0002	AL	D	0.74	#	0.6	± 0.37
	pCi/L	0732	03/05/1999	0001	AL	N	0.95	#	0.62	± 0.38
	pCi/L	0733	03/05/1999	0001	AL	N	0.61	U #	0.61	± 0.37
	pCi/L	0734	03/02/1999	0001	AL	N	4.78	U #	0.73	± 0.54
	pCi/L	0735	03/06/1999	0001	AL	N	1.03	U #	0.6	± 0.37
	pCi/L	0736	03/02/1999	0001	AL	N	0.69	U #	0.69	± 0.41
	pCi/L	0850	03/02/1999	0001	AL	N	0.76	U #	0.74	± 0.45
	pCi/L	0851	03/02/1999	0001	AL	N	0.84	U #	0.75	± 0.46
	pCi/L	0852	03/02/1999	0001	AL	N	0.70	U U #	0.7	± 0.41
	pCi/L	0853	03/03/1999	0001	AL	N	0.80	U #	0.73	± 0.44
	pCi/L	0854	03/02/1999	0001	AL	N	1.02	#	0.7	± 0.43

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Radium-228	pCi/L	0855	03/08/1999	0001	AL	N	0.63	U		#	0.63	± 0.38
	pCi/L	0856	03/02/1999	0001	AL	N	0.98			#	0.65	± 0.40
	pCi/L	0857	03/03/1999	0001	AL	N	0.92		U	#	0.76	± 0.47
	pCi/L	0863	03/08/1999	0001	KM	N	0.65	U	UL	#	0.65	± 0.39
Redox Potential	mV	0608	03/03/1999	N001	KM	D	199			#	-	-
	mV	0610	03/03/1999	N001	AL	D	207			#	-	-
	mV	0612	03/06/1999	N001	AL	D	-267			#	-	-
	mV	0614	03/03/1999	N001	AL	D	55			#	-	-
	mV	0615	03/03/1999	N001	AL	D	65			#	-	-
	mV	0616	03/07/1999	N001	AL	D	194			#	-	-
	mV	0617	03/03/1999	N001	AL	D	215			#	-	-
	mV	0619	03/03/1999	N001	AL	D	196			#	-	-
	mV	0620	03/07/1999	N001	AL	D	185			#	-	-
	mV	0624	03/03/1999	N001	AL	D	211			#	-	-
	mV	0626	03/03/1999	N001	AL	D	200			#	-	-
	mV	0628	03/04/1999	N001	AL	D	157			#	-	-
	mV	0630	03/02/1999	N001	AL	D	194			#	-	-
	mV	0631	03/04/1999	N001	AL	D	54			#	-	-
	mV	0632	03/05/1999	N001	AL	D	71			#	-	-
	mV	0732	03/05/1999	N001	AL	N	172			#	-	-
	mV	0733	03/05/1999	N001	AL	N	-189			#	-	-
	mV	0734	03/02/1999	N001	AL	N	217			#	-	-
	mV	0735	03/06/1999	N001	AL	N	203			#	-	-
	mV	0736	03/02/1999	N001	AL	N	14			#	-	-
	mV	0850	03/02/1999	N001	AL	N	-20			#	-	-
	mV	0851	03/02/1999	N001	AL	N	-54			#	-	-
	mV	0852	03/02/1999	N001	AL	N	-29			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Redox Potential	mV	0853	03/03/1999	N001	AL	N	-3	#	-	-
	mV	0854	03/02/1999	N001	AL	N	207	#	-	-
	mV	0855	03/08/1999	N001	AL	N	152	#	-	-
	mV	0856	03/02/1999	N001	AL	N	101	#	-	-
	mV	0857	03/03/1999	N001	AL	N	-34	#	-	-
	mV	0860	03/08/1999	N001	KM	N	100	#	-	-
	mV	0862	03/08/1999	N001	KM	N	115	L #	-	-
	mV	0863	03/08/1999	N001	KM	N	87	L #	-	-
Selenium	mg/L	0608	03/03/1999	0001	KM	D	0.0076	#	-	-
	mg/L	0610	03/03/1999	0001	AL	D	0.0401	#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0614	03/03/1999	0001	AL	D	0.203	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	1.100	#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	0.0963	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	0.0868	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	0.279	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	0.272	#	-	-
	mg/L	0624	03/03/1999	0001	AL	D	0.247	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	0.0114	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	0.0116	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	0.0488	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	0.116	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0632	03/05/1999	0001	AL	D	0.0010	U #	0.001	-
	mg/L	0632	03/05/1999	0002	AL	D	0.0010	U #	0.001	-
	mg/L	0732	03/05/1999	0001	AL	N	0.0033	B #	-	-
	mg/L	0733	03/05/1999	0001	AL	N	0.0010	U #	0.001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Selenium	mg/L	0734	03/02/1999	0001	AL	N	0.172	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	0.150	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	0.0012	B #	-	-
	mg/L	0850	03/02/1999	0001	AL	N	0.0010	U #	0.001	-
	mg/L	0851	03/02/1999	0001	AL	N	0.0010	U #	0.001	-
	mg/L	0852	03/02/1999	0001	AL	N	0.0010	U #	0.001	-
	mg/L	0853	03/03/1999	0001	AL	N	0.0010	U #	0.001	-
	mg/L	0854	03/02/1999	0001	AL	N	0.0041	B #	-	-
	mg/L	0855	03/08/1999	0001	AL	N	0.106	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	0.0010	U #	0.001	-
	mg/L	0857	03/03/1999	0001	AL	N	0.0010	U #	0.001	-
	mg/L	0860	03/08/1999	0001	KM	N	0.0029	B #	-	-
	mg/L	0863	03/08/1999	0001	KM	N	0.0013	B L #	-	-
Sodium	mg/L	0608	03/03/1999	0001	KM	D	2020.000	#	-	-
	mg/L	0610	03/03/1999	0001	AL	D	1900.000	#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	293.000	#	-	-
	mg/L	0614	03/03/1999	0001	AL	D	2620.000	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	3040.000	#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	336.000	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	711.000	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	3300.000	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	2290.000	#	-	-
	mg/L	0624	03/03/1999	0001	AL	D	2280.000	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	1090.000	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	1080.000	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	851.000	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	1100.000	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0631	03/04/1999	0001	AL	D	589.000	#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	685.000	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	680.000	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	170.000	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	447.000	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	1900.000	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	2180.000	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	2680.000	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	596.000	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	552.000	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	615.000	#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	246.000	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	6040.000	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	1380.000	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	1220.000	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	586.000	#	-	-
	mg/L	0860	03/08/1999	0001	KM	N	1200.000	#	-	-
	mg/L	0863	03/08/1999	0001	KM	N	92.100	L #	-	-
Specific Conductance	umhos/cm	0608	03/03/1999	N001	KM	D	17890	#	-	-
	umhos/cm	0610	03/03/1999	N001	AL	D	10890	#	-	-
	umhos/cm	0612	03/06/1999	N001	AL	D	2370	#	-	-
	umhos/cm	0614	03/03/1999	N001	AL	D	18450	#	-	-
	umhos/cm	0615	03/03/1999	N001	AL	D	18290	#	-	-
	umhos/cm	0616	03/07/1999	N001	AL	D	4270	#	-	-
	umhos/cm	0617	03/03/1999	N001	AL	D	7210	#	-	-
	umhos/cm	0619	03/03/1999	N001	AL	D	16360	#	-	-
	umhos/cm	0620	03/07/1999	N001	AL	D	13800	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0624	03/03/1999	N001	AL	D	12120	#	-	-
	umhos/cm	0626	03/03/1999	N001	AL	D	5320	#	-	-
	umhos/cm	0628	03/04/1999	N001	AL	D	4380	#	-	-
	umhos/cm	0630	03/02/1999	N001	AL	D	5600	#	-	-
	umhos/cm	0631	03/04/1999	N001	AL	D	5090	#	-	-
	umhos/cm	0632	03/05/1999	N001	AL	D	5070	#	-	-
	umhos/cm	0732	03/05/1999	N001	AL	N	1467	#	-	-
	umhos/cm	0733	03/05/1999	N001	AL	N	4300	#	-	-
	umhos/cm	0734	03/02/1999	N001	AL	N	10550	#	-	-
	umhos/cm	0735	03/06/1999	N001	AL	N	13040	#	-	-
	umhos/cm	0736	03/02/1999	N001	AL	N	12140	#	-	-
	umhos/cm	0850	03/02/1999	N001	AL	N	3560	#	-	-
	umhos/cm	0851	03/02/1999	N001	AL	N	3190	#	-	-
	umhos/cm	0852	03/02/1999	N001	AL	N	3520	#	-	-
	umhos/cm	0853	03/03/1999	N001	AL	N	3480	#	-	-
	umhos/cm	0854	03/02/1999	N001	AL	N	26500	#	-	-
	umhos/cm	0855	03/08/1999	N001	AL	N	7120	#	-	-
	umhos/cm	0856	03/02/1999	N001	AL	N	6110	#	-	-
	umhos/cm	0857	03/03/1999	N001	AL	N	4640	#	-	-
	umhos/cm	0860	03/08/1999	N001	KM	N	5350	#	-	-
umhos/cm	0862	03/08/1999	N001	KM	N	6780	L #	-	-	
umhos/cm	0863	03/08/1999	N001	KM	N	8250	L #	-	-	
Strontium	mg/L	0608	03/03/1999	0001	KM	D	11.500	#	-	-
	mg/L	0610	03/03/1999	0001	AL	D	10.400	#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	1.650	#	-	-
	mg/L	0614	03/03/1999	0001	AL	D	12.800	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	11.600	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Strontium	mg/L	0616	03/07/1999	0001	AL	D	4.570	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	5.520	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	11.000	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	10.100	#	-	-
	mg/L	0624	03/03/1999	0001	AL	D	10.200	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	7.460	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	7.490	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	10.500	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	12.100	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	4.050	#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	4.900	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	4.960	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	1.540	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	5.070	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	9.040	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	8.900	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	7.970	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	2.400	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	3.180	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	2.570	#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	4.010	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	16.200	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	9.830	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	4.430	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	5.750	#	-	-
	mg/L	0860	03/08/1999	0001	KM	N	0.922	#	-	-
	mg/L	0863	03/08/1999	0001	KM	N	0.566	L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0608	03/03/1999	0001	KM	D	11000.000	#	-	-
	mg/L	0610	03/03/1999	0001	AL	D	8920.000	#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	1030.000	#	-	-
	mg/L	0614	03/03/1999	0001	AL	D	11900.000	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	13000.000	#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	2340.000	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	4140.000	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	11900.000	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	8770.000	#	-	-
	mg/L	0624	03/03/1999	0001	AL	D	7840.000	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	2540.000	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	2560.000	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	2190.000	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	2880.000	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	2620.000	#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	2460.000	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	2560.000	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	560.000	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	2240.000	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	6600.000	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	6270.000	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	7830.000	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	1480.000	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	1460.000	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	1640.000	#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	1930.000	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	22400.000	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0855	03/08/1999	0001	AL	N	3710.000	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	3330.000	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	3210.000	#	-	-
	mg/L	0860	03/08/1999	0001	KM	N	509.000	#	-	-
	mg/L	0862	03/08/1999	0001	KM	N	1060.000	L #	-	-
	mg/L	0863	03/08/1999	0001	KM	N	134.000	L #	-	-
Temperature	C	0608	03/03/1999	N001	KM	D	8.4	#	-	-
	C	0610	03/03/1999	N001	AL	D	9.6	#	-	-
	C	0612	03/06/1999	N001	AL	D	9.9	#	-	-
	C	0614	03/03/1999	N001	AL	D	10.0	#	-	-
	C	0615	03/03/1999	N001	AL	D	10.9	#	-	-
	C	0616	03/07/1999	N001	AL	D	11.2	#	-	-
	C	0617	03/03/1999	N001	AL	D	11.5	#	-	-
	C	0619	03/03/1999	N001	AL	D	12.9	#	-	-
	C	0620	03/07/1999	N001	AL	D	10.9	#	-	-
	C	0624	03/03/1999	N001	AL	D	14.0	#	-	-
	C	0626	03/03/1999	N001	AL	D	9.4	#	-	-
	C	0628	03/04/1999	N001	AL	D	7.1	#	-	-
	C	0630	03/02/1999	N001	AL	D	10.2	#	-	-
	C	0631	03/04/1999	N001	AL	D	13.6	#	-	-
	C	0632	03/05/1999	N001	AL	D	13.2	#	-	-
	C	0732	03/05/1999	N001	AL	N	11.2	#	-	-
	C	0733	03/05/1999	N001	AL	N	12.8	#	-	-
	C	0734	03/02/1999	N001	AL	N	7.5	#	-	-
	C	0735	03/06/1999	N001	AL	N	8.0	#	-	-
	C	0736	03/02/1999	N001	AL	N	10.9	#	-	-
C	0850	03/02/1999	N001	AL	N	11.9	#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0851	03/02/1999	N001	AL	N	12.0		#	
	C	0852	03/02/1999	N001	AL	N	12.5		#	
	C	0853	03/03/1999	N001	AL	N	12.5		#	
	C	0854	03/02/1999	N001	AL	N	10.8		#	
	C	0855	03/08/1999	N001	AL	N	6.7		#	
	C	0856	03/02/1999	N001	AL	N	12.0		#	
	C	0857	03/03/1999	N001	AL	N	13.3		#	
	C	0860	03/08/1999	N001	KM	N	14.6		#	
	C	0862	03/08/1999	N001	KM	N	13.1	L	#	
	C	0863	03/08/1999	N001	KM	N	13.7	L	#	
Total Dissolved Solids	mg/L	0608	03/03/1999	0001	KM	D	19100		#	
	mg/L	0610	03/03/1999	0001	AL	D	17600		#	
	mg/L	0612	03/06/1999	0001	AL	D	3180		#	
	mg/L	0614	03/03/1999	0001	AL	D	23200		#	
	mg/L	0615	03/03/1999	0001	AL	D	24800		#	
	mg/L	0616	03/07/1999	0001	AL	D	4180		#	
	mg/L	0617	03/03/1999	0001	AL	D	7360		#	
	mg/L	0619	03/03/1999	0001	AL	D	20900		#	
	mg/L	0620	03/07/1999	0001	AL	D	16500		#	
	mg/L	0624	03/03/1999	0001	AL	D	14800		#	
	mg/L	0626	03/03/1999	0001	AL	D	4510		#	
	mg/L	0626	03/03/1999	0002	AL	D	4500		#	
	mg/L	0628	03/04/1999	0001	AL	D	3560		#	
	mg/L	0630	03/02/1999	0001	AL	D	4870		#	
	mg/L	0631	03/04/1999	0001	AL	D	4850		#	
	mg/L	0632	03/05/1999	0001	AL	D	4820		#	
	mg/L	0632	03/05/1999	0002	AL	D	6150		#	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0732	03/05/1999	0001	AL	N	1230	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	4180	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	11300	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	14200	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	12400	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	2670	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	2530	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	2790	#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	3210	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	42100	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	6230	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	5510	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	5580	#	-	-
	mg/L	0863	03/08/1999	0001	KM	N	435	L #	-	-
Turbidity	NTU	0608	03/03/1999	N001	KM	D	9.93	#	-	-
	NTU	0610	03/03/1999	N001	AL	D	5.29	#	-	-
	NTU	0612	03/06/1999	N001	AL	D	1.16	#	-	-
	NTU	0614	03/03/1999	N001	AL	D	8.35	#	-	-
	NTU	0615	03/03/1999	N001	AL	D	81.5	#	-	-
	NTU	0616	03/07/1999	N001	AL	D	2.25	#	-	-
	NTU	0617	03/03/1999	N001	AL	D	9.62	#	-	-
	NTU	0619	03/03/1999	N001	AL	D	8.31	#	-	-
	NTU	0620	03/07/1999	N001	AL	D	4.02	#	-	-
	NTU	0624	03/03/1999	N001	AL	D	9.4	#	-	-
	NTU	0626	03/03/1999	N001	AL	D	8.0	#	-	-
	NTU	0628	03/04/1999	N001	AL	D	3.20	#	-	-
	NTU	0630	03/02/1999	N001	AL	D	8.22	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0631	03/04/1999	N001	AL	D	1.69	#	-	-
	NTU	0632	03/05/1999	N001	AL	D	8.52	#	-	-
	NTU	0732	03/05/1999	N001	AL	N	0.45	#	-	-
	NTU	0733	03/05/1999	N001	AL	N	2.12	#	-	-
	NTU	0734	03/02/1999	N001	AL	N	0.67	#	-	-
	NTU	0735	03/06/1999	N001	AL	N	3.85	#	-	-
	NTU	0736	03/02/1999	N001	AL	N	1.28	#	-	-
	NTU	0850	03/02/1999	N001	AL	N	623	#	-	-
	NTU	0851	03/02/1999	N001	AL	N	8.40	#	-	-
	NTU	0852	03/02/1999	N001	AL	N	9.16	#	-	-
	NTU	0853	03/03/1999	N001	AL	N	167	#	-	-
	NTU	0854	03/02/1999	N001	AL	N	1000	> #	-	-
	NTU	0855	03/08/1999	N001	AL	N	2.47	#	-	-
	NTU	0856	03/02/1999	N001	AL	N	9.14	#	-	-
	NTU	0857	03/03/1999	N001	AL	N	7.02	#	-	-
	NTU	0860	03/08/1999	N001	KM	N	1000	> #	-	-
	NTU	0862	03/08/1999	N001	KM	N	1000	> L #	-	-
	NTU	0863	03/08/1999	N001	KM	N	174	L #	-	-
Uranium	mg/L	0608	03/03/1999	0001	KM	D	2.010	#	-	-
	mg/L	0610	03/03/1999	0001	AL	D	1.590	#	-	-
	mg/L	0612	03/06/1999	0001	AL	D	0.202	#	-	-
	mg/L	0614	03/03/1999	0001	AL	D	2.260	#	-	-
	mg/L	0615	03/03/1999	0001	AL	D	2.240	#	-	-
	mg/L	0616	03/07/1999	0001	AL	D	0.372	#	-	-
	mg/L	0617	03/03/1999	0001	AL	D	0.482	#	-	-
	mg/L	0619	03/03/1999	0001	AL	D	1.610	#	-	-
	mg/L	0620	03/07/1999	0001	AL	D	1.060	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0624	03/03/1999	0001	AL	D	1.120	#	-	-
	mg/L	0626	03/03/1999	0001	AL	D	0.0901	#	-	-
	mg/L	0626	03/03/1999	0002	AL	D	0.0881	#	-	-
	mg/L	0628	03/04/1999	0001	AL	D	0.0221	#	-	-
	mg/L	0630	03/02/1999	0001	AL	D	0.130	#	-	-
	mg/L	0631	03/04/1999	0001	AL	D	0.0176	#	-	-
	mg/L	0632	03/05/1999	0001	AL	D	0.0230	#	-	-
	mg/L	0632	03/05/1999	0002	AL	D	0.0242	#	-	-
	mg/L	0732	03/05/1999	0001	AL	N	0.0087	#	-	-
	mg/L	0733	03/05/1999	0001	AL	N	0.0226	#	-	-
	mg/L	0734	03/02/1999	0001	AL	N	0.0991	#	-	-
	mg/L	0735	03/06/1999	0001	AL	N	0.205	#	-	-
	mg/L	0736	03/02/1999	0001	AL	N	0.392	#	-	-
	mg/L	0850	03/02/1999	0001	AL	N	0.0166	#	-	-
	mg/L	0851	03/02/1999	0001	AL	N	0.0174	#	-	-
	mg/L	0852	03/02/1999	0001	AL	N	0.0171	#	-	-
	mg/L	0853	03/03/1999	0001	AL	N	0.224	#	-	-
	mg/L	0854	03/02/1999	0001	AL	N	3.430	#	-	-
	mg/L	0855	03/08/1999	0001	AL	N	0.178	#	-	-
	mg/L	0856	03/02/1999	0001	AL	N	0.160	#	-	-
	mg/L	0857	03/03/1999	0001	AL	N	0.285	#	-	-
	mg/L	0860	03/08/1999	0001	KM	N	0.0119	#	-	-
	mg/L	0863	03/08/1999	0001	KM	N	0.0034	L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 9:30 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
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RECORDS: SELECTED FROM USEE200 WHERE site_code='SHP01' AND quality_assurance = TRUE AND (NOT (data_validation_qualifiers LIKE "R" OR data_validation_qualifiers LIKE "X") OR IsNull(data_validation_qualifiers)) AND DATE_SAMPLED between #3/1/1999# and #3/30/1999#

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: 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.

DATA QUALIFIERS:

- J Estimated value.
- L Less than 3 bore volumes purged prior to sampling.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- R Unusable result.
- G Possible grout contamination, pH > 9.
- X Location is undefined.

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

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
1,1,1,2-Tetrachloroethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,1,1-Trichloroethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,1,2,2-Tetrachloroethane	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
1,1,2-Trichloroethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
1,1,2-Trichloroethane	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,1-Dichloroethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,1-Dichloroethene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,1-Dichloropropene	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
1,2,3-Trichloropropane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
1,2,3-Trichloropropane	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,2,4-Trimethylbenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,2-Dibromo-3-chloropropan	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,2-Dibromoethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,2-Dichlorobenzene	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIER\$:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
1,2-Dichlorobenzene	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
1,2-Dichloroethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	3	J		#	-	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,2-Dichloropropane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,3,5-Trimethylbenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
1,3,5-Trimethylbenzene	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,3-Dichlorobenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,3-Dichloropropane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
1,4-Dichlorobenzene	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
2,2-Dichloropropane	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
2,2-Dichloropropane	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
2-Butanone	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
2-Chlorotoluene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
2-Hexanone	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
2-Hexenal	ug/L	0819	03/06/1999	N001	KM	N	6.0	JN	L	#	-	-
4-Chlorotoluene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
4-Chlorotoluene	ug/L	0824	03/06/1999	N001	KM	N	5	U L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U #	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U #	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U #	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U #	5	-
4-Methyl-2-Pentanone	ug/L	0819	03/06/1999	N001	KM	N	10	U L #	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U L #	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U #	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U #	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U #	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U L #	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U #	10	-
5,5-Dimethyl-,(Z)-2-Hexene	ug/L	0819	03/06/1999	N001	KM	N	6.0	JN L #	-	-
Acetone	ug/L	0819	03/06/1999	N001	KM	N	17	L #	-	-
	ug/L	0824	03/06/1999	N001	KM	N	31	L #	-	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U #	10	-
	ug/L	0827	03/06/1999	N001	AL	N	14	#	-	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U #	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U L #	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U #	10	-
Alkalinity as CaCO3	mg/L	0600	03/08/1999	0001	KM	O	1454	L #	-	-
	mg/L	0600	03/08/1999	N001	KM	O	1394	L #	-	-
	mg/L	0602	03/04/1999	N001	KM	O	2145	#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	290	#	-	-
	mg/L	0603	03/04/1999	N001	AL	N	300	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:		DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA QA		
Alkalinity as CaCO3	mg/L	0604	03/06/1999	0001	KM	N	605	L	#	-	-
	mg/L	0604	03/06/1999	N001	KM	N	625	L	#	-	-
	mg/L	0725	03/07/1999	0001	AL	N	286		#	-	-
	mg/L	0725	03/07/1999	N001	AL	N	285		#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	441		#	-	-
	mg/L	0726	03/07/1999	N001	KM	N	337		#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	1534		#	-	-
	mg/L	0727	03/09/1999	N001	KM	N	1557		#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	279		#	-	-
	mg/L	0728	03/04/1999	N001	AL	N	307		#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	13	L	#	-	-
	mg/L	0730	03/06/1999	N001	AL	N	13	L	#	-	-
	mg/L	0731	03/05/1999	0001	AL	N	355	L	#	-	-
	mg/L	0731	03/05/1999	N001	AL	N	345	L	#	-	-
	mg/L	0812	03/08/1999	N001	AL	N	731	L	#	-	-
	mg/L	0813	03/04/1999	0001	AL	N	1083		#	-	-
	mg/L	0813	03/04/1999	N001	AL	N	1094		#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	915	L	#	-	-
	mg/L	0814	03/04/1999	N001	AL	N	990	L	#	-	-
	mg/L	0815	03/06/1999	0001	AL	N	1392		#	-	-
	mg/L	0815	03/06/1999	N001	AL	N	1409		#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	540		#	-	-
	mg/L	0816	03/09/1999	N001	AL	N	563		#	-	-
	mg/L	0824	03/06/1999	0001	KM	N	85	L	#	-	-
	mg/L	0824	03/06/1999	N001	KM	N	96	L	#	-	-
	mg/L	0826	03/04/1999	0001	AL	N	1683		#	-	-
	mg/L	0826	03/04/1999	N001	AL	N	1783		#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity as CaCO3	mg/L	0827	03/06/1999	0001	AL	N	820	#	-	-
	mg/L	0827	03/06/1999	N001	AL	N	880	#	-	-
	mg/L	0828	03/04/1999	0001	AL	N	528	#	-	-
	mg/L	0828	03/04/1999	N001	AL	N	564	#	-	-
	mg/L	0830	03/04/1999	0001	KM	N	10	#	-	-
	mg/L	0830	03/04/1999	N001	KM	N	8	#	-	-
	mg/L	0832	03/04/1999	0001	AL	N	239	#	-	-
	mg/L	0832	03/04/1999	N001	AL	N	255	#	-	-
	mg/L	0833	03/03/1999	0001	AL	N	408	#	-	-
	mg/L	0833	03/03/1999	N001	AL	N	396	#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	303	#	-	-
	mg/L	0835	03/03/1999	N001	AL	N	325	#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	398	#	-	-
	mg/L	0836	03/03/1999	N001	AL	N	404	#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	442	#	-	-
	mg/L	0837	03/04/1999	N001	AL	N	444	#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	320	#	-	-
	mg/L	0838	03/03/1999	N001	AL	N	321	#	-	-
	mg/L	0839	03/06/1999	0001	AL	N	875	#	-	-
	mg/L	0839	03/06/1999	N001	AL	N	878	#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	792	#	-	-
	mg/L	0841	03/04/1999	N001	AL	N	845	#	-	-
	mg/L	0843	03/04/1999	0001	AL	N	402	#	-	-
	mg/L	0843	03/04/1999	N001	AL	N	406	#	-	-
	mg/L	0844	03/03/1999	0001	AL	N	303	#	-	-
	mg/L	0844	03/03/1999	N001	AL	N	322	#	-	-
	mg/L	0846	03/03/1999	0001	AL	N	240	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	0846	03/03/1999	N001	AL	N	247			#	-	-
	mg/L	0847	03/08/1999	0001	AL	N	320			#	-	-
	mg/L	0847	03/08/1999	N001	AL	N	242			#	-	-
	mg/L	0848	03/08/1999	0001	AL	N	589			#	-	-
	mg/L	0848	03/08/1999	N001	AL	N	564			#	-	-
Ammonia as NH4	mg/L	0600	03/08/1999	0001	KM	O	170.000		L	#	-	-
	mg/L	0602	03/04/1999	0001	KM	O	653.000			#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	2160.000			#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	0.147		L	#	-	-
	mg/L	0725	03/07/1999	0001	AL	N	0.0264	B		#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	0.109			#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	24.300			#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	63.800			#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	208.000		L	#	-	-
	mg/L	0731	03/05/1999	0001	AL	N	51.400		L	#	-	-
	mg/L	0812	03/08/1999	0001	AL	N	0.191		L	#	-	-
	mg/L	0813	03/04/1999	0001	AL	N	72.700			#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	40.900		L	#	-	-
	mg/L	0815	03/06/1999	0001	AL	N	0.0587	B		#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	0.0447	B		#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	2.880		L	#	-	-
	mg/L	0820	03/06/1999	0001	KM	N	11.900		L	#	-	-
	mg/L	0824	03/06/1999	0001	KM	N	0.800		L	#	-	-
	mg/L	0826	03/04/1999	0001	AL	N	108.000			#	-	-
	mg/L	0827	03/06/1999	0001	AL	N	1.830			#	-	-
mg/L	0828	03/04/1999	0001	AL	N	8.250			#	-	-	
mg/L	0830	03/04/1999	0001	KM	N	21.100			#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Ammonia as NH4	mg/L	0832	03/04/1999	0001	AL	N	0.0353	B		#	-	-
	mg/L	0833	03/03/1999	0001	AL	N	0.127			#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	0.0120	B		#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	0.0390	B		#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	0.0036	B	U	#	-	-
	mg/L	0837	03/04/1999	0002	AL	N	0.0055	B	U	#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	0.0036	B	U	#	-	-
	mg/L	0839	03/06/1999	0001	AL	N	105.000			#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	2.370			#	-	-
	mg/L	0843	03/04/1999	0001	AL	N	0.0160	B		#	-	-
	mg/L	0844	03/03/1999	0001	AL	N	0.0421	B		#	-	-
	mg/L	0844	03/03/1999	0002	AL	N	0.0102	B		#	-	-
	mg/L	0846	03/03/1999	0001	AL	N	0.0178	B		#	-	-
	mg/L	0847	03/08/1999	0001	AL	N	0.193			#	-	-
	mg/L	0848	03/08/1999	0001	AL	N	3.630			#	-	-
	Antimony	mg/L	0600	03/08/1999	0001	KM	O	0.0010	U	L	#	0.001
mg/L		0602	03/04/1999	0001	KM	O	0.0010	U		#	0.001	-
mg/L		0603	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
mg/L		0604	03/06/1999	0001	KM	N	0.0010	U	L	#	0.001	-
mg/L		0725	03/07/1999	0001	AL	N	0.0010	U		#	0.001	-
mg/L		0726	03/07/1999	0001	KM	N	0.0010	U		#	0.001	-
mg/L		0727	03/09/1999	0001	KM	N	0.0010	U		#	0.001	-
mg/L		0728	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
mg/L		0730	03/06/1999	0001	AL	N	0.0010	U	L	#	0.001	-
mg/L		0731	03/05/1999	0001	AL	N	0.0010	U	L	#	0.001	-
mg/L		0812	03/08/1999	0001	AL	N	0.0010	U	L	#	0.001	-
mg/L		0813	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Antimony	mg/L	0814	03/04/1999	0001	AL	N	0.0010	U	L	#	0.001	-
	mg/L	0815	03/06/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0816	03/09/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0819	03/06/1999	0001	KM	N	0.0010	U	L	#	0.001	-
	mg/L	0820	03/06/1999	0001	KM	N	0.0049		L	#	-	-
	mg/L	0824	03/06/1999	0001	KM	N	0.0028	B	L	#	-	-
	mg/L	0826	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0827	03/06/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0828	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0830	03/04/1999	0001	KM	N	0.0010	U		#	0.001	-
	mg/L	0832	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0833	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0835	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0836	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0837	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0837	03/04/1999	0002	AL	N	0.0010	U		#	0.001	-
	mg/L	0838	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0839	03/06/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0841	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0843	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0844	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0844	03/03/1999	0002	AL	N	0.0010	U		#	0.001	-
	mg/L	0846	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0847	03/08/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0848	03/08/1999	0001	AL	N	0.0010	U		#	0.001	-
	Arsenic	mg/L	0600	03/08/1999	0001	KM	O	0.0010	U	L	#	0.001
mg/L		0602	03/04/1999	0001	KM	O	0.0010	U		#	0.001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Arsenic	mg/L	0603	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0604	03/06/1999	0001	KM	N	0.0010	U	L	#	0.001	-
	mg/L	0725	03/07/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0726	03/07/1999	0001	KM	N	0.0010	U		#	0.001	-
	mg/L	0727	03/09/1999	0001	KM	N	0.0010	U		#	0.001	-
	mg/L	0728	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0730	03/06/1999	0001	AL	N	0.0010	U	L	#	0.001	-
	mg/L	0731	03/05/1999	0001	AL	N	0.0010	U	L	#	0.001	-
	mg/L	0812	03/08/1999	0001	AL	N	0.0010	U	L	#	0.001	-
	mg/L	0813	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0814	03/04/1999	0001	AL	N	0.0010	U	L	#	0.001	-
	mg/L	0815	03/06/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0816	03/09/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0819	03/06/1999	0001	KM	N	0.0010	U	L	#	0.001	-
	mg/L	0820	03/06/1999	0001	KM	N	0.0010	U	L	#	0.001	-
	mg/L	0824	03/06/1999	0001	KM	N	0.0010	U	L	#	0.001	-
	mg/L	0826	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0827	03/06/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0828	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0830	03/04/1999	0001	KM	N	0.0010	U		#	0.001	-
	mg/L	0832	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0833	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0835	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0836	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0837	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0837	03/04/1999	0002	AL	N	0.0010	U		#	0.001	-
	mg/L	0838	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION- ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA		DETECTION LIMIT	UN- CERTAINTY
Arsenic	mg/L	0839	03/06/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0841	03/04/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0843	03/04/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0844	03/03/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0844	03/03/1999	0002	AL	N	0.0010	U	#	0.001	-
	mg/L	0846	03/03/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0847	03/08/1999	0001	AL	N	0.0010	U	#	0.001	-
	mg/L	0848	03/08/1999	0001	AL	N	0.0010	U	#	0.001	-
Benzene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	7		L #	-	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U	#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5		L #	-	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U	#	5	-
Bromobenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U	#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U	#	5	-
Bromochloromethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U	#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)

REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Bromochloromethane	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Bromodichloromethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Bromoform	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
Bromomethane	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
Cadmium	mg/L	0600	03/08/1999	0001	KM	O	0.0010	U	L	#	0.001	-
	mg/L	0602	03/04/1999	0001	KM	O	0.0010	U		#	0.001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Cadmium	mg/L	0603	03/04/1999	0001	AL	N	0.0193			#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	0.0010	U	L	#	0.001	-
	mg/L	0725	03/07/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0726	03/07/1999	0001	KM	N	0.0010	U		#	0.001	-
	mg/L	0727	03/09/1999	0001	KM	N	0.0010	U		#	0.001	-
	mg/L	0728	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0730	03/06/1999	0001	AL	N	0.0479		L	#	-	-
	mg/L	0731	03/05/1999	0001	AL	N	0.0010	U	L	#	0.001	-
	mg/L	0812	03/08/1999	0001	AL	N	0.0010	U	L	#	0.001	-
	mg/L	0813	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0814	03/04/1999	0001	AL	N	0.0010	U	L	#	0.001	-
	mg/L	0815	03/06/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0816	03/09/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0819	03/06/1999	0001	KM	N	0.0010	U	L	#	0.001	-
	mg/L	0820	03/06/1999	0001	KM	N	0.0010	U	L	#	0.001	-
	mg/L	0824	03/06/1999	0001	KM	N	0.0021		L	#	-	-
	mg/L	0826	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0827	03/06/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0828	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0830	03/04/1999	0001	KM	N	0.0088			#	-	-
	mg/L	0832	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0833	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0835	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0836	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0837	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0837	03/04/1999	0002	AL	N	0.0010	U		#	0.001	-
	mg/L	0838	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Cadmium	mg/L	0839	03/06/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0841	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0843	03/04/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0844	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0844	03/03/1999	0002	AL	N	0.0010	U		#	0.001	-
	mg/L	0846	03/03/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0847	03/08/1999	0001	AL	N	0.0010	U		#	0.001	-
	mg/L	0848	03/08/1999	0001	AL	N	0.0010	U		#	0.001	-
Calcium	mg/L	0600	03/08/1999	0001	KM	O	385.000		L	#	-	-
	mg/L	0602	03/04/1999	0001	KM	O	427.000			#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	481.000			#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	414.000		L	#	-	-
	mg/L	0725	03/07/1999	0001	AL	N	308.000			#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	428.000			#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	442.000			#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	420.000			#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	510.000		L	#	-	-
	mg/L	0731	03/05/1999	0001	AL	N	552.000		L	#	-	-
	mg/L	0812	03/08/1999	0001	AL	N	473.000		L	#	-	-
	mg/L	0813	03/04/1999	0001	AL	N	604.000			#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	453.000		L	#	-	-
	mg/L	0815	03/06/1999	0001	AL	N	433.000			#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	443.000			#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	421.000		L	#	-	-
	mg/L	0820	03/06/1999	0001	KM	N	137.000		L	#	-	-
	mg/L	0824	03/06/1999	0001	KM	N	252.000		L	#	-	-
	mg/L	0826	03/04/1999	0001	AL	N	427.000			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Calcium	mg/L	0827	03/06/1999	0001	AL	N	510.000			#	-	-
	mg/L	0828	03/04/1999	0001	AL	N	396.000			#	-	-
	mg/L	0830	03/04/1999	0001	KM	N	543.000			#	-	-
	mg/L	0832	03/04/1999	0001	AL	N	422.000			#	-	-
	mg/L	0833	03/03/1999	0001	AL	N	698.000			#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	366.000			#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	574.000			#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	436.000			#	-	-
	mg/L	0837	03/04/1999	0002	AL	N	442.000			#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	552.000			#	-	-
	mg/L	0839	03/06/1999	0001	AL	N	439.000			#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	406.000			#	-	-
	mg/L	0843	03/04/1999	0001	AL	N	441.000			#	-	-
	mg/L	0844	03/03/1999	0001	AL	N	451.000			#	-	-
	mg/L	0844	03/03/1999	0002	AL	N	449.000			#	-	-
	mg/L	0846	03/03/1999	0001	AL	N	598.000			#	-	-
	mg/L	0847	03/08/1999	0001	AL	N	554.000			#	-	-
	mg/L	0848	03/08/1999	0001	AL	N	497.000			#	-	-
Carbon Disulfide	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Carbon tetrachloride	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Carbon tetrachloride	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Chloride	mg/L	0600	03/08/1999	0001	KM	O	332.000		L	#	-	-
	mg/L	0602	03/04/1999	0001	KM	O	699.000			#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	399.000			#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	2380.000		L	#	-	-
	mg/L	0725	03/07/1999	0001	AL	N	145.000			#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	145.000			#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	438.000			#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	53.200			#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	17.900		L	#	-	-
	mg/L	0731	03/05/1999	0001	AL	N	476.000		L	#	-	-
	mg/L	0812	03/08/1999	0001	AL	N	2310.000		L	#	-	-
	mg/L	0813	03/04/1999	0001	AL	N	661.000			#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	1030.000		L	#	-	-
	mg/L	0815	03/06/1999	0001	AL	N	844.000			#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	201.000			#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	830.000		L	#	-	-
	mg/L	0820	03/06/1999	0001	KM	N	2690.000		L	#	-	-
	mg/L	0824	03/06/1999	0001	KM	N	3960.000		L	#	-	-
	mg/L	0826	03/04/1999	0001	AL	N	764.000			#	-	-
	mg/L	0827	03/06/1999	0001	AL	N	325.000			#	-	-
mg/L	0828	03/04/1999	0001	AL	N	155.000			#	-	-	
mg/L	0830	03/04/1999	0001	KM	N	52.300			#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0832	03/04/1999	0001	AL	N	357.000		#	
	mg/L	0833	03/03/1999	0001	AL	N	214.000		#	
	mg/L	0835	03/03/1999	0001	AL	N	13.400		#	
	mg/L	0836	03/03/1999	0001	AL	N	37.900		#	
	mg/L	0837	03/04/1999	0001	AL	N	18.200		#	
	mg/L	0837	03/04/1999	0002	AL	N	18.900		#	
	mg/L	0838	03/03/1999	0001	AL	N	15.500		#	
	mg/L	0839	03/06/1999	0001	AL	N	448.000		#	
	mg/L	0841	03/04/1999	0001	AL	N	686.000		#	
	mg/L	0843	03/04/1999	0001	AL	N	24.800		#	
	mg/L	0844	03/03/1999	0001	AL	N	55.100		#	
	mg/L	0844	03/03/1999	0002	AL	N	54.500		#	
	mg/L	0846	03/03/1999	0001	AL	N	118.000		#	
	mg/L	0847	03/08/1999	0001	AL	N	14.400		#	
	mg/L	0848	03/08/1999	0001	AL	N	369.000		#	
Chlorobenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U L	#	5
	ug/L	0824	03/06/1999	N001	KM	N	5	U L	#	5
	ug/L	0826	03/04/1999	N001	AL	N	2	J	#	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U	#	5
	ug/L	0828	03/04/1999	N001	AL	N	5	U	#	5
	ug/L	0829	03/08/1999	N001	KM	N	5	U L	#	5
	ug/L	0830	03/04/1999	N001	KM	N	5	U	#	5
Chlorodibromomethane	ug/L	0819	03/06/1999	N001	KM	N	5	U L	#	5
	ug/L	0824	03/06/1999	N001	KM	N	5	U L	#	5 -
	ug/L	0826	03/04/1999	N001	AL	N	5	U	#	5 -
	ug/L	0827	03/06/1999	N001	AL	N	5	U	#	5 -
	ug/L	0828	03/04/1999	N001	AL	N	5	U	#	5

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Chlorodibromomethane	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Chloroethane	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
Chloroform	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	2	J		#	-	-
	ug/L	0827	03/06/1999	N001	AL	N	2	J		#	-	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	3	J	L	#	-	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Chloromethane	ug/L	0819	03/06/1999	N001	KM	N	10		L	#	-	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-
cis-1,2-Dichloroethene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
cis-1,2-Dichloroethene	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
cis-1,3-Dichloropropene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Cyclopropane, ethyl-	ug/L	0819	03/06/1999	N001	KM	N	6.0	JN	L	#	-	-
Dibromomethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Dichlorodifluoromethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Ethylbenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Gross Alpha	pCi/L	0600	03/08/1999	0001	KM	O	633.9		JL	#	90.3	± 133.
	pCi/L	0602	03/04/1999	0001	KM	O	641.3			#	145.8	± 175.
	pCi/L	0603	03/04/1999	0001	AL	N	86.30	U		#	86.3	± 37.8
	pCi/L	0604	03/06/1999	0001	KM	N	125.0		JL	#	104.1	± 78.0
	pCi/L	0725	03/07/1999	0001	AL	N	197.4		J	#	28.7	± 42.1
	pCi/L	0726	03/07/1999	0001	KM	N	49.07	U	J	#	49.07	± 26.3
	pCi/L	0727	03/09/1999	0001	KM	N	353.3		J	#	122.8	± 124.
	pCi/L	0728	03/04/1999	0001	AL	N	151.3			#	30.4	± 38.7
	pCi/L	0731	03/05/1999	0001	AL	N	90.35		L	#	88.79	± 59.6
	pCi/L	0813	03/04/1999	0001	AL	N	179.6	U		#	179.6	± 127.
	pCi/L	0814	03/04/1999	0001	AL	N	209.2	U	L	#	209.2	± 130.
	pCi/L	0815	03/06/1999	0001	AL	N	257.4	U		#	257.4	± 163.
	pCi/L	0816	03/09/1999	0001	AL	N	75.41		J	#	60.35	± 42.3
	pCi/L	0819	03/06/1999	0001	KM	N	1068		L	#	193	± 216.
	pCi/L	0820	03/06/1999	0001	KM	N	117.4		JL	#	98.3	± 73.5
	pCi/L	0824	03/06/1999	0001	KM	N	86.12	U	JL	#	86.12	± 57.0
	pCi/L	0826	03/04/1999	0001	AL	N	2241			#	132	± 300.
	pCi/L	0827	03/06/1999	0001	AL	N	425.4		J	#	50.7	± 81.4
	pCi/L	0828	03/04/1999	0001	AL	N	240.9			#	32.6	± 49.6
	pCi/L	0830	03/04/1999	0001	KM	N	14.81	U		#	14.81	± 6.18

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL.	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Gross Alpha	pCi/L	0832	03/04/1999	0001	AL	N	82.54		#		80.89	± 54.3
	pCi/L	0833	03/03/1999	0001	AL	N	59.13		J #		49.5	± 37.0
	pCi/L	0835	03/03/1999	0001	AL	N	16.22		J #		12.82	± 9.75
	pCi/L	0836	03/03/1999	0001	AL	N	89.82		#		39.25	± 32.2
	pCi/L	0837	03/04/1999	0001	AL	N	34.29		#		32.11	± 21.7
	pCi/L	0837	03/04/1999	0002	AL	N	34.06		#		24.71	± 17.7
	pCi/L	0838	03/03/1999	0001	AL	N	16.46	U	J #		16.46	± 11.4
	pCi/L	0839	03/06/1999	0001	AL	N	299.3		#		178.1	± 134.
	pCi/L	0841	03/04/1999	0001	AL	N	200.1	U	#		200.1	± 131.
	pCi/L	0843	03/04/1999	0001	AL	N	24.90	U	#		24.9	± 16.0
	pCi/L	0844	03/03/1999	0001	AL	N	38.00		J #		27.11	± 21.2
	pCi/L	0844	03/03/1999	0002	AL	N	52.86		J #		26.8	± 23.5
	pCi/L	0846	03/03/1999	0001	AL	N	34.59		J #		27.34	± 20.7
	pCi/L	0847	03/08/1999	0001	AL	N	24.82		J #		15.33	± 12.6
	pCi/L	0848	03/08/1999	0001	AL	N	75.09		J #		66.6	± 48.9
	Gross Beta	pCi/L	0600	03/08/1999	0001	KM	O	368.8		L #		120.2
pCi/L		0602	03/04/1999	0001	KM	O	357.1		#		160	± 108.
pCi/L		0603	03/04/1999	0001	AL	N	206.4		#		93.5	± 63.2
pCi/L		0604	03/06/1999	0001	KM	N	117.57	U	L #		117.57	± 69.1
pCi/L		0725	03/07/1999	0001	AL	N	101.5		#		32.4	± 23.1
pCi/L		0726	03/07/1999	0001	KM	N	67.06		#		58.21	± 36.5
pCi/L		0727	03/09/1999	0001	KM	N	209.8		#		156.9	± 99.7
pCi/L		0728	03/04/1999	0001	AL	N	59.95		#		39.66	± 25.5
pCi/L		0731	03/05/1999	0001	AL	N	86.15	U	L #		86.15	± 53.1
pCi/L		0813	03/04/1999	0001	AL	N	232.61	U	#		232.61	± 137.
pCi/L		0814	03/04/1999	0001	AL	N	200.7	U	L #		200.7	± 119.
pCi/L		0815	03/06/1999	0001	AL	N	295.0	U	#		295	± 175.

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Gross Beta	pCi/L	0816	03/09/1999	0001	AL	N	60.24	U #	60.24	± 36.0
	pCi/L	0819	03/06/1999	0001	KM	N	329.3	L #	206.6	± 134.
	pCi/L	0820	03/06/1999	0001	KM	N	117.1	U L #	117.1	± 72.3
	pCi/L	0824	03/06/1999	0001	KM	N	189.6	L #	94	± 62.7
	pCi/L	0826	03/04/1999	0001	AL	N	991.0	#	169.6	± 137.
	pCi/L	0827	03/06/1999	0001	AL	N	287.3	#	61	± 47.2
	pCi/L	0828	03/04/1999	0001	AL	N	102.4	#	40.3	± 27.7
	pCi/L	0830	03/04/1999	0001	KM	N	18.52	U #	18.52	± 11.1
	pCi/L	0832	03/04/1999	0001	AL	N	85.30	U #	85.3	± 51.8
	pCi/L	0833	03/03/1999	0001	AL	N	58.58	U #	58.58	± 35.9
	pCi/L	0835	03/03/1999	0001	AL	N	15.60	U #	15.6	± 9.58
	pCi/L	0836	03/03/1999	0001	AL	N	97.35	#	40.35	± 27.9
	pCi/L	0837	03/04/1999	0001	AL	N	39.17	U #	39.17	± 23.5
	pCi/L	0837	03/04/1999	0002	AL	N	24.18	U #	24.18	± 14.9
	pCi/L	0838	03/03/1999	0001	AL	N	18.76	U #	18.76	± 11.4
	pCi/L	0839	03/06/1999	0001	AL	N	307.6	#	198.8	± 129.
	pCi/L	0841	03/04/1999	0001	AL	N	200.11	U #	200.11	± 118.
	pCi/L	0843	03/04/1999	0001	AL	N	37.22	#	24.08	± 15.6
	pCi/L	0844	03/03/1999	0001	AL	N	37.35	#	31.33	± 19.7
	pCi/L	0844	03/03/1999	0002	AL	N	31.41	U #	31.41	± 19.1
pCi/L	0846	03/03/1999	0001	AL	N	31.33	U #	31.33	± 19.2	
pCi/L	0847	03/08/1999	0001	AL	N	18.75	U #	18.75	± 11.4	
pCi/L	0848	03/08/1999	0001	AL	N	78.12	U #	78.12	± 46.9	
Iodomethane	ug/L	0819	03/06/1999	N001	KM	N	5	U L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U #	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U #	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Iodomethane	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Iron	mg/L	0600	03/08/1999	0001	KM	O	0.0050	U	L	#	0.005	-
	mg/L	0602	03/04/1999	0001	KM	O	0.0050	U		#	0.005	-
	mg/L	0603	03/04/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0604	03/06/1999	0001	KM	N	0.0066	B	UL	#	-	-
	mg/L	0725	03/07/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0726	03/07/1999	0001	KM	N	0.0050	U		#	0.005	-
	mg/L	0727	03/09/1999	0001	KM	N	0.0050	U		#	0.005	-
	mg/L	0728	03/04/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0730	03/06/1999	0001	AL	N	1.120		L	#	-	-
	mg/L	0731	03/05/1999	0001	AL	N	0.0050	U	L	#	0.005	-
	mg/L	0812	03/08/1999	0001	AL	N	0.0050	U	L	#	0.005	-
	mg/L	0813	03/04/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0814	03/04/1999	0001	AL	N	0.0050	U	L	#	0.005	-
	mg/L	0815	03/06/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0816	03/09/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0819	03/06/1999	0001	KM	N	0.0441		UL	#	-	-
	mg/L	0820	03/06/1999	0001	KM	N	0.0677		L	#	-	-
	mg/L	0824	03/06/1999	0001	KM	N	0.0350		UL	#	-	-
	mg/L	0826	03/04/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0827	03/06/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0828	03/04/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0830	03/04/1999	0001	KM	N	0.0050	U		#	0.005	-
	mg/L	0832	03/04/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0833	03/03/1999	0001	AL	N	0.0050	U		#	0.005	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Iron	mg/L	0835	03/03/1999	0001	AL	N	0.0070	B	U	#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	0.101			#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0837	03/04/1999	0002	AL	N	0.0050	U		#	0.005	-
	mg/L	0838	03/03/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0839	03/06/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0841	03/04/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0843	03/04/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0844	03/03/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0844	03/03/1999	0002	AL	N	0.0050	U		#	0.005	-
	mg/L	0846	03/03/1999	0001	AL	N	0.0050	U		#	0.005	-
	mg/L	0847	03/08/1999	0001	AL	N	0.0100	B	U	#	-	-
	mg/L	0848	03/08/1999	0001	AL	N	0.304			#	-	-
	Isopropylbenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5
ug/L		0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
ug/L		0826	03/04/1999	N001	AL	N	5	U		#	5	-
ug/L		0827	03/06/1999	N001	AL	N	5	U		#	5	-
ug/L		0828	03/04/1999	N001	AL	N	5	U		#	5	-
ug/L		0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
ug/L		0830	03/04/1999	N001	KM	N	5	U		#	5	-
m-Xylene	ug/L	0819	03/06/1999	N001	KM	N	2	J	L	#	-	-
	ug/L	0824	03/06/1999	N001	KM	N	3	J	L	#	-	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0600	03/08/1999	0001	KM	O	669.000	L #	-	-
	mg/L	0602	03/04/1999	0001	KM	O	2860.000	#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	1080.000	#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	972.000	L #	-	-
	mg/L	0725	03/07/1999	0001	AL	N	206.000	#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	436.000	#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	2170.000	#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	439.000	#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	169.000	L #	-	-
	mg/L	0731	03/05/1999	0001	AL	N	707.000	L #	-	-
	mg/L	0812	03/08/1999	0001	AL	N	2240.000	L #	-	-
	mg/L	0813	03/04/1999	0001	AL	N	3070.000	#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	2500.000	L #	-	-
	mg/L	0815	03/06/1999	0001	AL	N	1300.000	#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	599.000	#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	1770.000	L #	-	-
	mg/L	0820	03/06/1999	0001	KM	N	64.200	L #	-	-
	mg/L	0824	03/06/1999	0001	KM	N	97.100	L #	-	-
	mg/L	0826	03/04/1999	0001	AL	N	2450.000	#	-	-
	mg/L	0827	03/06/1999	0001	AL	N	552.000	#	-	-
	mg/L	0828	03/04/1999	0001	AL	N	357.000	#	-	-
	mg/L	0830	03/04/1999	0001	KM	N	40.000	#	-	-
	mg/L	0832	03/04/1999	0001	AL	N	525.000	#	-	-
	mg/L	0833	03/03/1999	0001	AL	N	626.000	#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	92.900	#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	269.000	#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	172.000	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Magnesium	mg/L	0837	03/04/1999	0002	AL	N	171.000	#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	114.000	#	-	-
	mg/L	0839	03/06/1999	0001	AL	N	1920.000	#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	931.000	#	-	-
	mg/L	0843	03/04/1999	0001	AL	N	165.000	#	-	-
	mg/L	0844	03/03/1999	0001	AL	N	373.000	#	-	-
	mg/L	0844	03/03/1999	0002	AL	N	378.000	#	-	-
	mg/L	0846	03/03/1999	0001	AL	N	225.000	#	-	-
	mg/L	0847	03/08/1999	0001	AL	N	101.000	#	-	-
	mg/L	0848	03/08/1999	0001	AL	N	555.000	#	-	-
Manganese	mg/L	0600	03/08/1999	0001	KM	O	1.030	L #		
	mg/L	0602	03/04/1999	0001	KM	O	2.140	#		
	mg/L	0603	03/04/1999	0001	AL	N	34.500	#		
	mg/L	0604	03/06/1999	0001	KM	N	0.338	L #		
	mg/L	0725	03/07/1999	0001	AL	N	0.0048	B #		
	mg/L	0726	03/07/1999	0001	KM	N	0.298	#		
	mg/L	0727	03/09/1999	0001	KM	N	1.450	#		
	mg/L	0728	03/04/1999	0001	AL	N	0.532	#		
	mg/L	0730	03/06/1999	0001	AL	N	21.700	L #		
	mg/L	0731	03/05/1999	0001	AL	N	0.0367	L #		
	mg/L	0812	03/08/1999	0001	AL	N	0.394	L #		
	mg/L	0813	03/04/1999	0001	AL	N	0.416	#		
	mg/L	0814	03/04/1999	0001	AL	N	1.290	L #		
	mg/L	0815	03/06/1999	0001	AL	N	1.370	#		
	mg/L	0816	03/09/1999	0001	AL	N	0.0451	#		
	mg/L	0819	03/06/1999	0001	KM	N	1.870	L #		
	mg/L	0820	03/06/1999	0001	KM	N	0.161	L #		

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Manganese	mg/L	0824	03/06/1999	0001	KM	N	0.109	L	#		-	-
	mg/L	0826	03/04/1999	0001	AL	N	2.650		#		-	-
	mg/L	0827	03/06/1999	0001	AL	N	1.630		#		-	-
	mg/L	0828	03/04/1999	0001	AL	N	0.0692		#		-	-
	mg/L	0830	03/04/1999	0001	KM	N	1.890		#		-	-
	mg/L	0832	03/04/1999	0001	AL	N	0.0010	U	#		0.001	-
	mg/L	0833	03/03/1999	0001	AL	N	0.0025	B	#		-	-
	mg/L	0835	03/03/1999	0001	AL	N	0.0034	B	#		-	-
	mg/L	0836	03/03/1999	0001	AL	N	1.250		#		-	-
	mg/L	0837	03/04/1999	0001	AL	N	1.090		#		-	-
	mg/L	0837	03/04/1999	0002	AL	N	1.100		#		-	-
	mg/L	0838	03/03/1999	0001	AL	N	0.0012	B	#		-	-
	mg/L	0839	03/06/1999	0001	AL	N	0.899		#		-	-
	mg/L	0841	03/04/1999	0001	AL	N	0.136		#		-	-
	mg/L	0843	03/04/1999	0001	AL	N	1.540		#		-	-
	mg/L	0844	03/03/1999	0001	AL	N	0.0428		#		-	-
	mg/L	0844	03/03/1999	0002	AL	N	0.0391		#		-	-
	mg/L	0846	03/03/1999	0001	AL	N	0.0074	B	#		-	-
	mg/L	0847	03/08/1999	0001	AL	N	0.0330		#		-	-
	mg/L	0848	03/08/1999	0001	AL	N	0.847		#		-	-
Methylcyclopentane	ug/L	0824	03/06/1999	N001	KM	N	6.0	JN	L	#	-	-
Methylene chloride	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA		DETECTION LIMIT	UN-CERTAINTY
Methylene chloride	ug/L	0830	03/04/1999	N001	KM	N	10	U	#	10	-
n-Butylbenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U	#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U	#	5	-
n-Propylbenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U	#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U	#	5	-
Nitrate	mg/L	0600	03/08/1999	0001	KM	O	538.000		L #	-	-
	mg/L	0602	03/04/1999	0001	KM	O	119.000		#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	4700.000		#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	3730.000		L #	-	-
	mg/L	0725	03/07/1999	0001	AL	N	182.000		#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	120.000		#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	1680.000		#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	538.000		#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	479.000		L #	-	-
	mg/L	0731	03/05/1999	0001	AL	N	1770.000		L #	-	-
	mg/L	0812	03/08/1999	0001	AL	N	5500.000		L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY	
Nitrate	mg/L	0813	03/04/1999	0001	AL	N	7240.000			#	-	-	
	mg/L	0814	03/04/1999	0001	AL	N	3860.000	L		#	-	-	
	mg/L	0815	03/06/1999	0001	AL	N	2540.000			#	-	-	
	mg/L	0816	03/09/1999	0001	AL	N	348.000			#	-	-	
	mg/L	0819	03/06/1999	0001	KM	N	151.000	L		#	-	-	
	mg/L	0820	03/06/1999	0001	KM	N	260.000	L		#	-	-	
	mg/L	0824	03/06/1999	0001	KM	N	91.300	L		#	-	-	
	mg/L	0826	03/04/1999	0001	AL	N	134.000			#	-	-	
	mg/L	0827	03/06/1999	0001	AL	N	568.000			#	-	-	
	mg/L	0828	03/04/1999	0001	AL	N	155.000			#	-	-	
	mg/L	0830	03/04/1999	0001	KM	N	94.100			#	-	-	
	mg/L	0832	03/04/1999	0001	AL	N	1220.000			#	-	-	
	mg/L	0833	03/03/1999	0001	AL	N	758.000			#	-	-	
	mg/L	0835	03/03/1999	0001	AL	N	23.200			#	-	-	
	mg/L	0836	03/03/1999	0001	AL	N	61.700			#	-	-	
	mg/L	0837	03/04/1999	0001	AL	N	5.070			#	-	-	
	mg/L	0837	03/04/1999	0002	AL	N	5.060			#	-	-	
	mg/L	0838	03/03/1999	0001	AL	N	14.800			#	-	-	
	mg/L	0839	03/06/1999	0001	AL	N	1990.000			#	-	-	
	mg/L	0841	03/04/1999	0001	AL	N	2180.000			#	-	-	
	mg/L	0843	03/04/1999	0001	AL	N	0.0408	B	U	#	-	-	
	mg/L	0844	03/03/1999	0001	AL	N	113.000			#	-	-	
	mg/L	0844	03/03/1999	0002	AL	N	113.000			#	-	-	
	mg/L	0846	03/03/1999	0001	AL	N	445.000			#	-	-	
	mg/L	0847	03/08/1999	0001	AL	N	16.500			#	-	-	
	mg/L	0848	03/08/1999	0001	AL	N	771.000			#	-	-	
	o-Xylene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
o-Xylene	ug/L	0824	03/06/1999	N001	KM	N	5	U L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U #	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U #	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U #	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U #	5	-
p-Isopropyltoluene	ug/L	0819	03/06/1999	N001	KM	N	5	U L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U #	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U #	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U #	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U #	5	-
pH	s.u.	0600	03/08/1999	N001	KM	O	6.52	L #	-	-
	s.u.	0602	03/04/1999	N001	KM	O	6.59	#	-	-
	s.u.	0603	03/04/1999	N001	AL	N	6.33	#	-	-
	s.u.	0604	03/06/1999	N001	KM	N	6.80	L #	-	-
	s.u.	0725	03/07/1999	N001	AL	N	7.28	#	-	-
	s.u.	0726	03/07/1999	N001	KM	N	6.96	#	-	-
	s.u.	0727	03/09/1999	N001	KM	N	6.61	#	-	-
	s.u.	0728	03/04/1999	N001	AL	N	6.94	#	-	-
	s.u.	0730	03/06/1999	N001	AL	N	4.97	L #	-	-
	s.u.	0731	03/05/1999	N001	AL	N	6.89	L #	-	-
	s.u.	0812	03/08/1999	N001	AL	N	6.78	L #	-	-
	s.u.	0813	03/04/1999	N001	AL	N	6.63	#	-	-
	s.u.	0814	03/04/1999	N001	AL	N	6.89	L #	-	-
	s.u.	0815	03/06/1999	N001	AL	N	6.65	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0816	03/09/1999	N001	AL	N	6.81	#	-	-
	s.u.	0819	03/06/1999	N001	KM	N	6.75	L #	-	-
	s.u.	0820	03/06/1999	N001	KM	N	7.71	L #	-	-
	s.u.	0824	03/06/1999	N001	KM	N	7.49	L #	-	-
	s.u.	0826	03/04/1999	N001	AL	N	6.53	#	-	-
	s.u.	0827	03/06/1999	N001	AL	N	6.61	#	-	-
	s.u.	0828	03/04/1999	N001	AL	N	6.89	#	-	-
	s.u.	0830	03/04/1999	N001	KM	N	5.21	#	-	-
	s.u.	0832	03/04/1999	N001	AL	N	7.08	#	-	-
	s.u.	0833	03/03/1999	N001	AL	N	6.71	#	-	-
	s.u.	0835	03/03/1999	N001	AL	N	6.91	#	-	-
	s.u.	0836	03/03/1999	N001	AL	N	6.67	#	-	-
	s.u.	0837	03/04/1999	N001	AL	N	6.74	#	-	-
	s.u.	0838	03/03/1999	N001	AL	N	6.69	#	-	-
	s.u.	0839	03/06/1999	N001	AL	N	6.74	#	-	-
	s.u.	0841	03/04/1999	N001	AL	N	7.15	#	-	-
	s.u.	0843	03/04/1999	N001	AL	N	6.94	#	-	-
	s.u.	0844	03/03/1999	N001	AL	N	6.76	#	-	-
	s.u.	0846	03/03/1999	N001	AL	N	6.89	#	-	-
	s.u.	0847	03/08/1999	N001	AL	N	6.98	#	-	-
s.u.	0848	03/08/1999	N001	AL	N	6.86	#	-	-	
Polonium-210	pCi/L	0600	03/08/1999	0001	KM	O	0.16	U L #	0.16	± 0.20
	pCi/L	0602	03/04/1999	0001	KM	O	0.30	U #	0.11	± 0.22
	pCi/L	0603	03/04/1999	0001	AL	N	0.26	U #	0.26	± -0.23
	pCi/L	0604	03/06/1999	0001	KM	N	0.16	U L #	0.16	± 0.17
	pCi/L	0725	03/07/1999	0001	AL	N	0.18	U #	0.18	± 0.20
	pCi/L	0726	03/07/1999	0001	KM	N	0.13	U #	0.13	± 0.14

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Polonium-210	pCi/L	0727	03/09/1999	0001	KM	N	0.11	U		#	0.11	± 0.12
	pCi/L	0728	03/04/1999	0001	AL	N	0.19	U		#	0.19	± 0.20
	pCi/L	0731	03/05/1999	0001	AL	N	0.15	U	L	#	0.15	± 0.16
	pCi/L	0812	03/08/1999	0001	AL	N	0.21		UL	#	0.16	± 0.24
	pCi/L	0813	03/04/1999	0001	AL	N	0.19	U		#	0.19	± 0.20
	pCi/L	0815	03/06/1999	0001	AL	N	0.09		U	#	0.07	± 0.10
	pCi/L	0816	03/09/1999	0001	AL	N	0.11	U		#	0.11	± 0.11
	pCi/L	0819	03/06/1999	0001	KM	N	0.29		UL	#	0.14	± 0.23
	pCi/L	0824	03/06/1999	0001	KM	N	0.14	U	L	#	0.14	± 0.13
	pCi/L	0826	03/04/1999	0001	AL	N	0.15	U		#	0.15	± 0.18
	pCi/L	0827	03/06/1999	0001	AL	N	0.08	U		#	0.08	± 0.08
	pCi/L	0828	03/04/1999	0001	AL	N	0.12	U		#	0.12	± 0.13
	pCi/L	0830	03/04/1999	0001	KM	N	0.14	U		#	0.14	± 0.14
	pCi/L	0832	03/04/1999	0001	AL	N	0.13	U		#	0.13	± -0.11
	pCi/L	0833	03/03/1999	0001	AL	N	0.11	U		#	0.11	± 0.12
	pCi/L	0835	03/03/1999	0001	AL	N	0.18	U		#	0.18	± 0.17
	pCi/L	0836	03/03/1999	0001	AL	N	0.06	U		#	0.06	± 0.06
	pCi/L	0837	03/04/1999	0001	AL	N	0.14	U		#	0.14	± 0.14
	pCi/L	0837	03/04/1999	0002	AL	N	0.08	U		#	0.08	± 0.09
	pCi/L	0838	03/03/1999	0001	AL	N	0.10	U		#	0.1	± -0.08
	pCi/L	0839	03/06/1999	0001	AL	N	0.09		U	#	0.09	± 0.13
	pCi/L	0841	03/04/1999	0001	AL	N	0.12	U		#	0.12	± 0.14
	pCi/L	0843	03/04/1999	0001	AL	N	0.15	U		#	0.15	± 0.14
	pCi/L	0844	03/03/1999	0001	AL	N	0.19	U		#	0.19	± -0.17
	pCi/L	0844	03/03/1999	0002	AL	N	0.19	U		#	0.19	± 0.17
	pCi/L	0846	03/03/1999	0001	AL	N	0.19	U		#	0.19	± 0.17
	pCi/L	0847	03/08/1999	0001	AL	N	0.14	U		#	0.14	± -0.12

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Polonium-210	pCi/L	0848	03/08/1999	0001	AL	N	0.25	U #	0.25	± 0.31
Potassium	mg/L	0600	03/08/1999	0001	KM	O	56.000	L #	-	-
	mg/L	0602	03/04/1999	0001	KM	O	190.000	#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	199.000	#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	27.900	L #	-	-
	mg/L	0725	03/07/1999	0001	AL	N	11.600	#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	30.700	#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	62.800	#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	50.600	#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	24.600	L #	-	-
	mg/L	0731	03/05/1999	0001	AL	N	55.700	L #	-	-
	mg/L	0812	03/08/1999	0001	AL	N	58.500	L #	-	-
	mg/L	0813	03/04/1999	0001	AL	N	87.300	#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	84.600	L #	-	-
	mg/L	0815	03/06/1999	0001	AL	N	67.500	#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	15.300	#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	119.000	L #	-	-
	mg/L	0820	03/06/1999	0001	KM	N	30.500	L #	-	-
	mg/L	0824	03/06/1999	0001	KM	N	198.000	L #	-	-
	mg/L	0826	03/04/1999	0001	AL	N	102.000	#	-	-
	mg/L	0827	03/06/1999	0001	AL	N	21.600	#	-	-
	mg/L	0828	03/04/1999	0001	AL	N	19.200	#	-	-
	mg/L	0830	03/04/1999	0001	KM	N	3.350	#	-	-
	mg/L	0832	03/04/1999	0001	AL	N	13.400	#	-	-
	mg/L	0833	03/03/1999	0001	AL	N	13.500	#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	4.560	#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	4.640	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Potassium	mg/L	0837	03/04/1999	0001	AL	N	6.140	#	-	-
	mg/L	0837	03/04/1999	0002	AL	N	6.070	#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	4.640	#	-	-
	mg/L	0839	03/06/1999	0001	AL	N	90.200	#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	40.000	#	-	-
	mg/L	0843	03/04/1999	0001	AL	N	9.120	#	-	-
	mg/L	0844	03/03/1999	0001	AL	N	9.700	#	-	-
	mg/L	0844	03/03/1999	0002	AL	N	9.760	#	-	-
	mg/L	0846	03/03/1999	0001	AL	N	7.880	#	-	-
	mg/L	0847	03/08/1999	0001	AL	N	4.330	#	-	-
	mg/L	0848	03/08/1999	0001	AL	N	17.700	#	-	-
Radium-226	pCi/L	0600	03/08/1999	0001	KM	O	0.83	L #	0.14	± 0.13
	pCi/L	0602	03/04/1999	0001	KM	O	4.38	#	0.21	± 0.40
	pCi/L	0603	03/04/1999	0001	AL	N	0.31	#	0.14	± 0.10
	pCi/L	0604	03/06/1999	0001	KM	N	0.41	L #	0.14	± 0.11
	pCi/L	0725	03/07/1999	0001	AL	N	0.11	U #	0.11	± 0.06
	pCi/L	0726	03/07/1999	0001	KM	N	0.92	#	0.12	± 0.13
	pCi/L	0727	03/09/1999	0001	KM	N	2.88	#	0.17	± 0.28
	pCi/L	0728	03/04/1999	0001	AL	N	1.09	#	0.12	± 0.15
	pCi/L	0731	03/05/1999	0001	AL	N	0.11	U L #	0.11	± 0.07
	pCi/L	0813	03/04/1999	0001	AL	N	1.05	#	0.13	± 0.15
	pCi/L	0815	03/06/1999	0001	AL	N	4.25	#	0.12	± 0.36
	pCi/L	0816	03/09/1999	0001	AL	N	0.16	#	0.1	± 0.07
	pCi/L	0824	03/06/1999	0001	KM	N	1.02	L #	0.12	± 0.14
	pCi/L	0826	03/04/1999	0001	AL	N	1.39	#	0.15	± 0.18
	pCi/L	0827	03/06/1999	0001	AL	N	2.21	#	0.12	± 0.22
	pCi/L	0828	03/04/1999	0001	AL	N	0.12	U #	0.12	± 0.07

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)

REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Radium-226	pCi/L	0830	03/04/1999	0001	KM	N	0.12	#	0.11	± 0.07
	pCi/L	0832	03/04/1999	0001	AL	N	0.22	#	0.1	± 0.07
	pCi/L	0833	03/03/1999	0001	AL	N	0.13	U #	0.13	± 0.08
	pCi/L	0835	03/03/1999	0001	AL	N	0.13	U #	0.13	± 0.08
	pCi/L	0836	03/03/1999	0001	AL	N	0.11	U #	0.11	± 0.07
	pCi/L	0837	03/04/1999	0001	AL	N	0.11	U #	0.11	± 0.07
	pCi/L	0837	03/04/1999	0002	AL	N	0.09	U #	0.09	± 0.06
	pCi/L	0838	03/03/1999	0001	AL	N	0.14	#	0.13	± 0.09
	pCi/L	0839	03/06/1999	0001	AL	N	2.72	#	0.13	± 0.26
	pCi/L	0841	03/04/1999	0001	AL	N	0.69	#	0.1	± 0.11
	pCi/L	0843	03/04/1999	0001	AL	N	0.13	#	0.13	± 0.08
	pCi/L	0844	03/03/1999	0001	AL	N	0.24	#	0.12	± 0.08
	pCi/L	0844	03/03/1999	0002	AL	N	0.23	#	0.13	± 0.09
	pCi/L	0846	03/03/1999	0001	AL	N	0.16	#	0.11	± 0.07
	pCi/L	0847	03/08/1999	0001	AL	N	0.22	#	0.1	± 0.07
pCi/L	0848	03/08/1999	0001	AL	N	1.32	#	0.11	± 0.15	
Radium-228	pCi/L	0600	03/08/1999	0001	KM	O	4.48	L #	0.62	± 0.46
	pCi/L	0602	03/04/1999	0001	KM	O	10.90	#	0.78	± 0.74
	pCi/L	0603	03/04/1999	0001	AL	N	2.55	#	0.72	± 0.47
	pCi/L	0604	03/06/1999	0001	KM	N	1.87	UL #	0.69	± 0.44
	pCi/L	0725	03/07/1999	0001	AL	N	0.62	U U #	0.62	± 0.37
	pCi/L	0726	03/07/1999	0001	KM	N	1.63	U #	0.59	± 0.38
	pCi/L	0727	03/09/1999	0001	KM	N	6.09	#	0.7	± 0.54
	pCi/L	0728	03/04/1999	0001	AL	N	1.73	#	0.66	± 0.42
	pCi/L	0731	03/05/1999	0001	AL	N	0.74	L #	0.62	± 0.38
	pCi/L	0813	03/04/1999	0001	AL	N	2.03	#	0.71	± 0.46
	pCi/L	0815	03/06/1999	0001	AL	N	3.74	#	0.6	± 0.43

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Radium-228	pCi/L	0816	03/09/1999	0001	AL	N	0.64	U		#	0.64	± 0.38
	pCi/L	0824	03/06/1999	0001	KM	N	1.18		L	#	0.7	± 0.43
	pCi/L	0826	03/04/1999	0001	AL	N	3.31			#	0.74	± 0.50
	pCi/L	0827	03/06/1999	0001	AL	N	2.14			#	0.68	± 0.44
	pCi/L	0828	03/04/1999	0001	AL	N	0.67	U		#	0.67	± 0.41
	pCi/L	0830	03/04/1999	0001	KM	N	0.66	U		#	0.66	± 0.40
	pCi/L	0832	03/04/1999	0001	AL	N	0.57	U		#	0.57	± 0.35
	pCi/L	0833	03/03/1999	0001	AL	N	0.74	U	U	#	0.74	± 0.45
	pCi/L	0835	03/03/1999	0001	AL	N	0.73	U	U	#	0.73	± 0.44
	pCi/L	0836	03/03/1999	0001	AL	N	0.62	U		#	0.62	± 0.37
	pCi/L	0837	03/04/1999	0001	AL	N	0.64			#	0.61	± 0.37
	pCi/L	0837	03/04/1999	0002	AL	N	0.55	U		#	0.55	± 0.33
	pCi/L	0838	03/03/1999	0001	AL	N	0.75	U	U	#	0.75	± 0.45
	pCi/L	0839	03/06/1999	0001	AL	N	2.87			#	0.65	± 0.44
	pCi/L	0841	03/04/1999	0001	AL	N	1.30			#	0.56	± 0.35
	pCi/L	0843	03/04/1999	0001	AL	N	0.74	U	U	#	0.74	± 0.44
	pCi/L	0844	03/03/1999	0001	AL	N	0.76		U	#	0.65	± 0.40
	pCi/L	0844	03/03/1999	0002	AL	N	0.73	U	U	#	0.73	± 0.44
	pCi/L	0846	03/03/1999	0001	AL	N	0.62	U		#	0.62	± 0.37
	pCi/L	0847	03/08/1999	0001	AL	N	0.60	U	U	#	0.6	± 0.36
pCi/L	0848	03/08/1999	0001	AL	N	1.06		U	#	0.59	± 0.37	
Redox Potential	mV	0600	03/08/1999	N001	KM	O	213		L	#	-	-
	mV	0602	03/04/1999	N001	KM	O	193			#	-	-
	mV	0603	03/04/1999	N001	AL	N	200			#	-	-
	mV	0604	03/06/1999	N001	KM	N	175		L	#	-	-
	mV	0725	03/07/1999	N001	AL	N	196			#	-	-
	mV	0726	03/07/1999	N001	KM	N	199			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Redox Potential	mV	0727	03/09/1999	N001	KM	N	213	#	-	-
	mV	0728	03/04/1999	N001	AL	N	201	#	-	-
	mV	0730	03/06/1999	N001	AL	N	186	L #	-	-
	mV	0731	03/05/1999	N001	AL	N	171	L #	-	-
	mV	0812	03/08/1999	N001	AL	N	186	L #	-	-
	mV	0813	03/04/1999	N001	AL	N	182	#	-	-
	mV	0814	03/04/1999	N001	AL	N	194	L #	-	-
	mV	0815	03/06/1999	N001	AL	N	212	#	-	-
	mV	0816	03/09/1999	N001	AL	N	218	#	-	-
	mV	0819	03/06/1999	N001	KM	N	228	L #	-	-
	mV	0820	03/06/1999	N001	KM	N	157	L #	-	-
	mV	0824	03/06/1999	N001	KM	N	123	L #	-	-
	mV	0826	03/04/1999	N001	AL	N	173	#	-	-
	mV	0827	03/06/1999	N001	AL	N	199	#	-	-
	mV	0828	03/04/1999	N001	AL	N	195	#	-	-
	mV	0830	03/04/1999	N001	KM	N	258	#	-	-
	mV	0832	03/04/1999	N001	AL	N	185	#	-	-
	mV	0833	03/03/1999	N001	AL	N	205	#	-	-
	mV	0835	03/03/1999	N001	AL	N	167	#	-	-
	mV	0836	03/03/1999	N001	AL	N	96	#	-	-
	mV	0837	03/04/1999	N001	AL	N	194	#	-	-
	mV	0838	03/03/1999	N001	AL	N	206	#	-	-
	mV	0839	03/06/1999	N001	AL	N	220	#	-	-
	mV	0841	03/04/1999	N001	AL	N	180	#	-	-
	mV	0843	03/04/1999	N001	AL	N	200	#	-	-
	mV	0844	03/03/1999	N001	AL	N	208	#	-	-
	mV	0846	03/03/1999	N001	AL	N	134	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Redox Potential	mV	0847	03/08/1999	N001	AL	N	139			#	-	-
	mV	0848	03/08/1999	N001	AL	N	55			#	-	-
sec-Butylbenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Selenium	mg/L	0600	03/08/1999	0001	KM	O	0.0012	B	L	#	-	-
	mg/L	0602	03/04/1999	0001	KM	O	0.0049	B		#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	0.346			#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	0.240		L	#	-	-
	mg/L	0725	03/07/1999	0001	AL	N	0.0518			#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	0.0215			#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	0.0010	U		#	0.001	-
	mg/L	0728	03/04/1999	0001	AL	N	0.0257			#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	0.0166		L	#	-	-
	mg/L	0731	03/05/1999	0001	AL	N	0.554		L	#	-	-
	mg/L	0812	03/08/1999	0001	AL	N	6.690		L	#	-	-
	mg/L	0813	03/04/1999	0001	AL	N	0.0812			#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	3.300		L	#	-	-
	mg/L	0815	03/06/1999	0001	AL	N	0.386			#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	0.206			#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	0.0059		L	#	-	-
	mg/L	0820	03/06/1999	0001	KM	N	0.0043	B	L	#	-	-
mg/L	0824	03/06/1999	0001	KM	N	0.0087		L	#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Selenium	mg/L	0826	03/04/1999	0001	AL	N	0.0636	#	-	-
	mg/L	0827	03/06/1999	0001	AL	N	0.0131	#	-	-
	mg/L	0828	03/04/1999	0001	AL	N	0.0380	#	-	-
	mg/L	0830	03/04/1999	0001	KM	N	0.0257	#	-	-
	mg/L	0832	03/04/1999	0001	AL	N	1.600	#	-	-
	mg/L	0833	03/03/1999	0001	AL	N	0.366	#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	0.0373	#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	0.142	#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	0.0120	#	-	-
	mg/L	0837	03/04/1999	0002	AL	N	0.0130	#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	0.0472	#	-	-
	mg/L	0839	03/06/1999	0001	AL	N	0.0105	#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	3.420	#	-	-
	mg/L	0843	03/04/1999	0001	AL	N	0.0010	U #	0.001	-
	mg/L	0844	03/03/1999	0001	AL	N	0.155	#	-	-
	mg/L	0844	03/03/1999	0002	AL	N	0.155	#	-	-
	mg/L	0846	03/03/1999	0001	AL	N	0.890	#	-	-
	mg/L	0847	03/08/1999	0001	AL	N	0.0396	#	-	-
mg/L	0848	03/08/1999	0001	AL	N	0.338	#	-	-	
Silane, fluorotrimethyl-	ug/L	0828	03/04/1999	N001	AL	N	38	JN #	-	-
Silanol, trimethyl-	ug/L	0828	03/04/1999	N001	AL	N	31	JN #	-	-
	ug/L	0830	03/04/1999	N001	KM	N	6	JN #	-	-
Sodium	mg/L	0600	03/08/1999	0001	KM	O	3320.000	L #	-	-
	mg/L	0602	03/04/1999	0001	KM	O	3060.000	#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	1250.000	#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	3680.000	L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0725	03/07/1999	0001	AL	N	1110.000	#		
	mg/L	0726	03/07/1999	0001	KM	N	1730.000	#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	2660.000	#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	397.000	#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	116.000	L #	-	-
	mg/L	0731	03/05/1999	0001	AL	N	1340.000	L #	-	-
	mg/L	0812	03/08/1999	0001	AL	N	6360.000	L #	-	-
	mg/L	0813	03/04/1999	0001	AL	N	2760.000	#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	3220.000	L #	-	-
	mg/L	0815	03/06/1999	0001	AL	N	1800.000	#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	885.000	#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	3500.000	L #	-	-
	mg/L	0820	03/06/1999	0001	KM	N	5090.000	L #	-	-
	mg/L	0824	03/06/1999	0001	KM	N	3610.000	L #	-	-
	mg/L	0826	03/04/1999	0001	AL	N	2210.000	#	-	-
	mg/L	0827	03/06/1999	0001	AL	N	1320.000	#	-	-
	mg/L	0828	03/04/1999	0001	AL	N	634.000	#	-	-
	mg/L	0830	03/04/1999	0001	KM	N	157.000	#	-	-
	mg/L	0832	03/04/1999	0001	AL	N	1240.000	#	-	-
	mg/L	0833	03/03/1999	0001	AL	N	842.000	#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	114.000	#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	412.000	#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	164.000	#	-	-
	mg/L	0837	03/04/1999	0002	AL	N	162.000	#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	130.000	#	-	-
	mg/L	0839	03/06/1999	0001	AL	N	2140.000	#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	5500.000	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0843	03/04/1999	0001	AL	N	174.000	#	-	-
	mg/L	0844	03/03/1999	0001	AL	N	397.000	#	-	-
	mg/L	0844	03/03/1999	0002	AL	N	406.000	#	-	-
	mg/L	0846	03/03/1999	0001	AL	N	501.000	#	-	-
	mg/L	0847	03/08/1999	0001	AL	N	127.000	#	-	-
	mg/L	0848	03/08/1999	0001	AL	N	2230.000	#	-	-
Specific Conductance	umhos/cm	0600	03/08/1999	N001	KM	O	14330	L #	-	-
	umhos/cm	0602	03/04/1999	N001	KM	O	20800	#	-	-
	umhos/cm	0603	03/04/1999	N001	AL	N	19800	#	-	-
	umhos/cm	0604	03/06/1999	N001	KM	N	19020	L #	-	-
	umhos/cm	0725	03/07/1999	N001	AL	N	6160	#	-	-
	umhos/cm	0726	03/07/1999	N001	KM	N	8950	#	-	-
	umhos/cm	0727	03/09/1999	N001	KM	N	16750	#	-	-
	umhos/cm	0728	03/04/1999	N001	AL	N	5040	#	-	-
	umhos/cm	0730	03/06/1999	N001	AL	N	4470	L #	-	-
	umhos/cm	0731	03/05/1999	N001	AL	N	10520	L #	-	-
	umhos/cm	0812	03/08/1999	N001	AL	N	28700	L #	-	-
	umhos/cm	0813	03/04/1999	N001	AL	N	21700	#	-	-
	umhos/cm	0814	03/04/1999	N001	AL	N	21300	L #	-	-
	umhos/cm	0815	03/06/1999	N001	AL	N	20300	#	-	-
	umhos/cm	0816	03/09/1999	N001	AL	N	7030	#	-	-
	umhos/cm	0819	03/06/1999	N001	KM	N	18700	L #	-	-
	umhos/cm	0820	03/06/1999	N001	KM	N	17670	L #	-	-
	umhos/cm	0824	03/06/1999	N001	KM	N	22600	L #	-	-
	umhos/cm	0826	03/04/1999	N001	AL	N	15940	#	-	-
	umhos/cm	0827	03/06/1999	N001	AL	N	8290	#	-	-
umhos/cm	0828	03/04/1999	N001	AL	N	4210	#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0830	03/04/1999	N001	KM	N	2980	#	-	-
	umhos/cm	0832	03/04/1999	N001	AL	N	9060	#	-	-
	umhos/cm	0833	03/03/1999	N001	AL	N	8230	#	-	-
	umhos/cm	0835	03/03/1999	N001	AL	N	2050	#	-	-
	umhos/cm	0836	03/03/1999	N001	AL	N	4650	#	-	-
	umhos/cm	0837	03/04/1999	N001	AL	N	3150	#	-	-
	umhos/cm	0838	03/03/1999	N001	AL	N	2550	#	-	-
	umhos/cm	0839	03/06/1999	N001	AL	N	15590	#	-	-
	umhos/cm	0841	03/04/1999	N001	AL	N	21800	#	-	-
	umhos/cm	0843	03/04/1999	N001	AL	N	3190	#	-	-
	umhos/cm	0844	03/03/1999	N001	AL	N	4130	#	-	-
	umhos/cm	0846	03/03/1999	N001	AL	N	5040	#	-	-
	umhos/cm	0847	03/08/1999	N001	AL	N	2890	#	-	-
	umhos/cm	0848	03/08/1999	N001	AL	N	10970	#	-	-
Strontium	mg/L	0600	03/08/1999	0001	KM	O	8.490	L #	-	-
	mg/L	0602	03/04/1999	0001	KM	O	13.000	#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	3.160	#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	13.100	L #	-	-
	mg/L	0725	03/07/1999	0001	AL	N	9.940	#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	7.490	#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	13.000	#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	5.220	#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	2.630	L #	-	-
	mg/L	0731	03/05/1999	0001	AL	N	9.750	L #	-	-
	mg/L	0812	03/08/1999	0001	AL	N	14.000	L #	-	-
	mg/L	0813	03/04/1999	0001	AL	N	17.600	#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	12.800	L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Strontium	mg/L	0815	03/06/1999	0001	AL	N	6.650	#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	6.960	#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	11.100	L #	-	-
	mg/L	0820	03/06/1999	0001	KM	N	12.200	L #	-	-
	mg/L	0824	03/06/1999	0001	KM	N	14.000	L #	-	-
	mg/L	0826	03/04/1999	0001	AL	N	12.200	#	-	-
	mg/L	0827	03/06/1999	0001	AL	N	8.160	#	-	-
	mg/L	0828	03/04/1999	0001	AL	N	5.180	#	-	-
	mg/L	0830	03/04/1999	0001	KM	N	0.166	#	-	-
	mg/L	0832	03/04/1999	0001	AL	N	5.550	#	-	-
	mg/L	0833	03/03/1999	0001	AL	N	8.760	#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	3.300	#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	6.540	#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	4.770	#	-	-
	mg/L	0837	03/04/1999	0002	AL	N	4.800	#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	4.510	#	-	-
	mg/L	0839	03/06/1999	0001	AL	N	11.500	#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	9.000	#	-	-
	mg/L	0843	03/04/1999	0001	AL	N	5.480	#	-	-
	mg/L	0844	03/03/1999	0001	AL	N	6.330	#	-	-
mg/L	0844	03/03/1999	0002	AL	N	6.330	#	-	-	
mg/L	0846	03/03/1999	0001	AL	N	6.370	#	-	-	
mg/L	0847	03/08/1999	0001	AL	N	4.530	#	-	-	
mg/L	0848	03/08/1999	0001	AL	N	9.880	#	-	-	
Styrene	ug/L	0819	03/06/1999	N001	KM	N	5	U L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U #	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Styrene	ug/L	0827	03/06/1999	N001	AL	N	5	U #	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U #	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U #	5	-
Sulfate	mg/L	0600	03/08/1999	0001	KM	O	8770.000	L #	-	-
	mg/L	0602	03/04/1999	0001	KM	O	16800.000	#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	8930.000	#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	6390.000	L #	-	-
	mg/L	0725	03/07/1999	0001	AL	N	3390.000	#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	5770.000	#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	11900.000	#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	3200.000	#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	2380.000	L #	-	-
	mg/L	0731	03/05/1999	0001	AL	N	4510.000	L #	-	-
	mg/L	0812	03/08/1999	0001	AL	N	15000.000	L #	-	-
	mg/L	0813	03/04/1999	0001	AL	N	11500.000	#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	13000.000	L #	-	-
	mg/L	0815	03/06/1999	0001	AL	N	14400.000	#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	5450.000	#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	13000.000	L #	-	-
	mg/L	0820	03/06/1999	0001	KM	N	7450.000	L #	-	-
	mg/L	0824	03/06/1999	0001	KM	N	4700.000	L #	-	-
	mg/L	0826	03/04/1999	0001	AL	N	12000.000	#	-	-
	mg/L	0827	03/06/1999	0001	AL	N	4550.000	#	-	-
	mg/L	0828	03/04/1999	0001	AL	N	2950.000	#	-	-
	mg/L	0830	03/04/1999	0001	KM	N	1660.000	#	-	-
mg/L	0832	03/04/1999	0001	AL	N	4340.000	#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0833	03/03/1999	0001	AL	N	4940.000	#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	882.000	#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	2800.000	#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	1670.000	#	-	-
	mg/L	0837	03/04/1999	0002	AL	N	1660.000	#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	1740.000	#	-	-
	mg/L	0839	03/06/1999	0001	AL	N	10100.000	#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	13700.000	#	-	-
	mg/L	0843	03/04/1999	0001	AL	N	1720.000	#	-	-
	mg/L	0844	03/03/1999	0001	AL	N	3080.000	#	-	-
	mg/L	0844	03/03/1999	0002	AL	N	3070.000	#	-	-
	mg/L	0846	03/03/1999	0001	AL	N	4550.000	#	-	-
	mg/L	0847	03/08/1999	0001	AL	N	1650.000	#	-	-
	mg/L	0848	03/08/1999	0001	AL	N	6440.000	#	-	-
	Temperature	C	0600	03/08/1999	N001	KM	O	16.1	L #	-
C		0602	03/04/1999	N001	KM	O	17.8	#	-	-
C		0603	03/04/1999	N001	AL	N	17.0	#	-	-
C		0604	03/06/1999	N001	KM	N	17.4	L #	-	-
C		0725	03/07/1999	N001	AL	N	11.3	#	-	-
C		0726	03/07/1999	N001	KM	N	15.9	#	-	-
C		0727	03/09/1999	N001	KM	N	12.4	#	-	-
C		0728	03/04/1999	N001	AL	N	15.4	#	-	-
C		0730	03/06/1999	N001	AL	N	13.6	L #	-	-
C		0731	03/05/1999	N001	AL	N	14.9	L #	-	-
C		0812	03/08/1999	N001	AL	N	14.5	L #	-	-
C		0813	03/04/1999	N001	AL	N	15.2	#	-	-
C		0814	03/04/1999	N001	AL	N	11.8	L #	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0815	03/06/1999	N001	AL	N	16.6	#	-	-
	C	0816	03/09/1999	N001	AL	N	15.7	#	-	-
	C	0819	03/06/1999	N001	KM	N	17.0	L #	-	-
	C	0820	03/06/1999	N001	KM	N	15.3	L #	-	-
	C	0824	03/06/1999	N001	KM	N	18.3	L #	-	-
	C	0826	03/04/1999	N001	AL	N	15.5	#	-	-
	C	0827	03/06/1999	N001	AL	N	17.1	#	-	-
	C	0828	03/04/1999	N001	AL	N	13.0	#	-	-
	C	0830	03/04/1999	N001	KM	N	11.5	#	-	-
	C	0832	03/04/1999	N001	AL	N	15.6	#	-	-
	C	0833	03/03/1999	N001	AL	N	15.1	#	-	-
	C	0835	03/03/1999	N001	AL	N	15.6	#	-	-
	C	0836	03/03/1999	N001	AL	N	14.7	#	-	-
	C	0837	03/04/1999	N001	AL	N	13.6	#	-	-
	C	0838	03/03/1999	N001	AL	N	15.8	#	-	-
	C	0839	03/06/1999	N001	AL	N	16.7	#	-	-
	C	0841	03/04/1999	N001	AL	N	15.7	#	-	-
	C	0843	03/04/1999	N001	AL	N	13.0	#	-	-
	C	0844	03/03/1999	N001	AL	N	15.1	#	-	-
	C	0846	03/03/1999	N001	AL	N	15.5	#	-	-
C	0847	03/08/1999	N001	AL	N	16.0	#	-	-	
C	0848	03/08/1999	N001	AL	N	16.2	#	-	-	
tert-Butylbenzene	ug/L	0819	03/06/1999	N001	KM	N	5	U L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U #	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U #	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U #	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
tert-Butylbenzene	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Tetrachloroethene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Thiazolidine	ug/L	0828	03/04/1999	N001	AL	N	8.0	JN		#	-	-
Toluene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Total 1,2-Dichloroethene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U		#	5	-
Total Dissolved Solids	mg/L	0600	03/08/1999	0001	KM	O	15600		L	#	-	-
	mg/L	0602	03/04/1999	0001	KM	O	27500			#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0603	03/04/1999	0001	AL	N	14600	#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	18700	L #	-	-
	mg/L	0725	03/07/1999	0001	AL	N	5650	#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	9260	#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	22100	#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	5780	#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	3530	L #	-	-
	mg/L	0731	03/05/1999	0001	AL	N	10100	L #	-	-
	mg/L	0812	03/08/1999	0001	AL	N	35700	L #	-	-
	mg/L	0813	03/04/1999	0001	AL	N	28400	#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	25900	L #	-	-
	mg/L	0815	03/06/1999	0001	AL	N	29300	#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	7860	#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	23300	L #	-	-
	mg/L	0820	03/06/1999	0001	KM	N	15800	L #	-	-
	mg/L	0824	03/06/1999	0001	KM	N	12800	L #	-	-
	mg/L	0826	03/04/1999	0001	AL	N	21600	#	-	-
	mg/L	0827	03/06/1999	0001	AL	N	9150	#	-	-
	mg/L	0828	03/04/1999	0001	AL	N	5740	#	-	-
	mg/L	0830	03/04/1999	0001	KM	N	2760	#	-	-
	mg/L	0832	03/04/1999	0001	AL	N	9530	#	-	-
	mg/L	0833	03/03/1999	0001	AL	N	8870	#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	2200	#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	4920	#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	4100	#	-	-
	mg/L	0837	03/04/1999	0002	AL	N	3000	#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	2970	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Total Dissolved Solids	mg/L	0839	03/06/1999	0001	AL	N	20200			#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	25000			#	-	-
	mg/L	0843	03/04/1999	0001	AL	N	3090			#	-	-
	mg/L	0844	03/03/1999	0001	AL	N	5050			#	-	-
	mg/L	0844	03/03/1999	0002	AL	N	5040			#	-	-
	mg/L	0846	03/03/1999	0001	AL	N	4990			#	-	-
	mg/L	0847	03/08/1999	0001	AL	N	2870			#	-	-
	mg/L	0848	03/08/1999	0001	AL	N	12500			#	-	-
Total Xylenes	ug/L	0819	03/06/1999	0001	KM	N	3	J	L	#	-	-
	ug/L	0824	03/06/1999	0001	KM	N	4	J	L	#	-	-
	ug/L	0826	03/04/1999	0001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	0001	AL	N	5	U		#	5	-
	ug/L	0828	03/04/1999	0001	AL	N	5	U		#	5	-
	ug/L	0829	03/08/1999	0001	KM	N	5	U	L	#	5	-
	ug/L	0830	03/04/1999	0001	KM	N	5	U		#	5	-
	trans-1,2-Dichloroethene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5
ug/L		0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
ug/L		0826	03/04/1999	N001	AL	N	5	U		#	5	-
ug/L		0827	03/06/1999	N001	AL	N	5	U		#	5	-
ug/L		0828	03/04/1999	N001	AL	N	5	U		#	5	-
ug/L		0829	03/08/1999	N001	KM	N	5	U	L	#	5	-
ug/L		0830	03/04/1999	N001	KM	N	5	U		#	5	-
trans-1,3-dichloropropene		ug/L	0819	03/06/1999	N001	KM	N	5	U	L	#	5
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L	#	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U		#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U		#	5	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA		DETECTION LIMIT	UN-CERTAINTY
trans-1,3-dichloropropene	ug/L	0828	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U	#	5	-
Trichloroethene	ug/L	0819	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U	#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U	#	5	-
Trichlorofluoromethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U	#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U	#	5	-
Trichlorotrifluoroethane	ug/L	0819	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0824	03/06/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0826	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0827	03/06/1999	N001	AL	N	5	U	#	5	-
	ug/L	0828	03/04/1999	N001	AL	N	5	U	#	5	-
	ug/L	0829	03/08/1999	N001	KM	N	5	U	L #	5	-
	ug/L	0830	03/04/1999	N001	KM	N	5	U	#	5	-
Turbidity	NTU	0600	03/08/1999	N001	KM	O	2.13		L #	-	-
	NTU	0602	03/04/1999	N001	KM	O	9.67		#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	0603	03/04/1999	N001	AL	N	6.46	#	-	-
	NTU	0604	03/06/1999	N001	KM	N	509	L #	-	-
	NTU	0725	03/07/1999	N001	AL	N	8.43	#	-	-
	NTU	0726	03/07/1999	N001	KM	N	8.62	#	-	-
	NTU	0727	03/09/1999	N001	KM	N	55.0	#	-	-
	NTU	0728	03/04/1999	N001	AL	N	8.03	#	-	-
	NTU	0731	03/05/1999	N001	AL	N	52.0	L #	-	-
	NTU	0812	03/08/1999	N001	AL	N	1000	> L #	-	-
	NTU	0813	03/04/1999	N001	AL	N	9.20	#	-	-
	NTU	0815	03/06/1999	N001	AL	N	7.50	#	-	-
	NTU	0816	03/09/1999	N001	AL	N	4.98	#	-	-
	NTU	0819	03/06/1999	N001	KM	N	70.1	L #	-	-
	NTU	0820	03/06/1999	N001	KM	N	1000	> L #	-	-
	NTU	0824	03/06/1999	N001	KM	N	1000	> L #	-	-
	NTU	0826	03/04/1999	N001	AL	N	38.0	#	-	-
	NTU	0827	03/06/1999	N001	AL	N	81.0	#	-	-
	NTU	0828	03/04/1999	N001	AL	N	9.85	#	-	-
	NTU	0830	03/04/1999	N001	KM	N	981	#	-	-
	NTU	0832	03/04/1999	N001	AL	N	24.1	#	-	-
	NTU	0833	03/03/1999	N001	AL	N	9.79	#	-	-
	NTU	0835	03/03/1999	N001	AL	N	8.67	#	-	-
	NTU	0836	03/03/1999	N001	AL	N	36.5	#	-	-
	NTU	0837	03/04/1999	N001	AL	N	9.50	#	-	-
	NTU	0838	03/03/1999	N001	AL	N	3.79	#	-	-
	NTU	0839	03/06/1999	N001	AL	N	79.2	#	-	-
	NTU	0841	03/04/1999	N001	AL	N	337	#	-	-
	NTU	0843	03/04/1999	N001	AL	N	7.53	#	-	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE:		ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID				LAB	DATA	QA		
Turbidity	NTU	0844	03/03/1999	N001	AL	N	222			#	-	-
	NTU	0846	03/03/1999	N001	AL	N	8.71			#	-	-
	NTU	0847	03/08/1999	N001	AL	N	1.83			#	-	-
	NTU	0848	03/08/1999	N001	AL	N	3.88			#	-	-
Unknown	ug/L	0819	03/06/1999	N001	KM	N	320	J	L	#	-	-
	ug/L	0824	03/06/1999	N001	KM	N	31	J	L	#	-	-
Uranium	mg/L	0600	03/08/1999	0001	KM	O	1.190		L	#	-	-
	mg/L	0602	03/04/1999	0001	KM	O	0.801			#	-	-
	mg/L	0603	03/04/1999	0001	AL	N	0.0134			#	-	-
	mg/L	0604	03/06/1999	0001	KM	N	0.0483		L	#	-	-
	mg/L	0725	03/07/1999	0001	AL	N	0.304			#	-	-
	mg/L	0726	03/07/1999	0001	KM	N	0.0280			#	-	-
	mg/L	0727	03/09/1999	0001	KM	N	0.370			#	-	-
	mg/L	0728	03/04/1999	0001	AL	N	0.214			#	-	-
	mg/L	0730	03/06/1999	0001	AL	N	0.0025		L	#	-	-
	mg/L	0731	03/05/1999	0001	AL	N	0.0355		L	#	-	-
	mg/L	0812	03/08/1999	0001	AL	N	0.123		L	#	-	-
	mg/L	0813	03/04/1999	0001	AL	N	0.160			#	-	-
	mg/L	0814	03/04/1999	0001	AL	N	0.142		L	#	-	-
	mg/L	0815	03/06/1999	0001	AL	N	0.330			#	-	-
	mg/L	0816	03/09/1999	0001	AL	N	0.0690			#	-	-
	mg/L	0819	03/06/1999	0001	KM	N	1.150		L	#	-	-
	mg/L	0820	03/06/1999	0001	KM	N	0.203		L	#	-	-
	mg/L	0824	03/06/1999	0001	KM	N	0.0263		L	#	-	-
	mg/L	0826	03/04/1999	0001	AL	N	3.040			#	-	-
	mg/L	0827	03/06/1999	0001	AL	N	0.814			#	-	-
mg/L	0828	03/04/1999	0001	AL	N	0.315			#	-	-	

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0830	03/04/1999	0001	KM	N	0.0052			#	-	-
	mg/L	0832	03/04/1999	0001	AL	N	0.0471			#	-	-
	mg/L	0833	03/03/1999	0001	AL	N	0.106			#	-	-
	mg/L	0835	03/03/1999	0001	AL	N	0.0282			#	-	-
	mg/L	0836	03/03/1999	0001	AL	N	0.0560			#	-	-
	mg/L	0837	03/04/1999	0001	AL	N	0.0372			#	-	-
	mg/L	0837	03/04/1999	0002	AL	N	0.0373			#	-	-
	mg/L	0838	03/03/1999	0001	AL	N	0.0314			#	-	-
	mg/L	0839	03/06/1999	0001	AL	N	0.388			#	-	-
	mg/L	0841	03/04/1999	0001	AL	N	0.103			#	-	-
	mg/L	0843	03/04/1999	0001	AL	N	0.0303			#	-	-
	mg/L	0844	03/03/1999	0001	AL	N	0.0426			#	-	-
	mg/L	0844	03/03/1999	0002	AL	N	0.0423			#	-	-
	mg/L	0846	03/03/1999	0001	AL	N	0.0421			#	-	-
	mg/L	0847	03/08/1999	0001	AL	N	0.0273			#	-	-
	mg/L	0848	03/08/1999	0001	AL	N	0.0519			#	-	-
Vinyl chloride	ug/L	0819	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0824	03/06/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0826	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0827	03/06/1999	N001	AL	N	10	U		#	10	-
	ug/L	0828	03/04/1999	N001	AL	N	10	U		#	10	-
	ug/L	0829	03/08/1999	N001	KM	N	10	U	L	#	10	-
	ug/L	0830	03/04/1999	N001	KM	N	10	U		#	10	-

GROUND WATER QUALITY DATA BY PARAMETER (USEE200) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)

REPORT DATE: 5/5/1999 9:31 am

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE ID	ZONE COMPL	FLOW REL.	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
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RECORDS: SELECTED FROM USEE200 WHERE site_code='SHP02' AND quality_assurance = TRUE AND (NOT (data_validation_qualifiers LIKE "R" OR data_validation_qualifiers LIKE "X") OR IsNull(data_validation_qualifiers)) AND DATE_SAMPLED between #3/1/1999# and #3/30/1999#

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: 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.

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. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
			DATE	ID		LAB	DATA	QA		
Alkalinity as CaCO3	mg/L	0546	3/07/1999	0001	102	#	-	-	-	-
	mg/L	0546	3/07/1999	N001	105	#	-	-	-	-
	mg/L	0548	3/07/1999	0001	105	#	-	-	-	-
	mg/L	0548	3/07/1999	N001	105	#	-	-	-	-
	mg/L	0553	3/07/1999	0001	108	#	-	-	-	-
	mg/L	0553	3/07/1999	N001	112	#	-	-	-	-
	mg/L	0555	3/06/1999	0001	118	#	-	-	-	-
	mg/L	0555	3/06/1999	N001	103	#	-	-	-	-
	mg/L	0655	3/02/1999	0001	167	#	-	-	-	-
	mg/L	0655	3/02/1999	N001	182	#	-	-	-	-
	mg/L	0658	3/09/1999	0001	80	#	-	-	-	-
	mg/L	0658	3/09/1999	N001	79	#	-	-	-	-
	mg/L	0887	3/04/1999	0001	307	#	-	-	-	-
	mg/L	0887	3/04/1999	N001	296	#	-	-	-	-
	mg/L	0888	3/06/1999	0001	113	#	-	-	-	-
	mg/L	0888	3/06/1999	N001	116	#	-	-	-	-
	mg/L	0893	3/09/1999	0001	110	#	-	-	-	-
	mg/L	0893	3/09/1999	N001	106	#	-	-	-	-
	mg/L	0894	3/02/1999	0001	96	#	-	-	-	-
	mg/L	0894	3/02/1999	N001	106	#	-	-	-	-
	mg/L	0895	3/08/1999	0001	104	#	-	-	-	-
	mg/L	0895	3/08/1999	N001	107	#	-	-	-	-
	mg/L	0896	3/08/1999	0001	100	#	-	-	-	-
	mg/L	0896	3/08/1999	N001	105	#	-	-	-	-
	mg/L	0897	3/08/1999	0001	105	#	-	-	-	-
	mg/L	0897	3/08/1999	N001	106	#	-	-	-	-
	mg/L	0898	3/02/1999	0001	90	#	-	-	-	-
	mg/L	0898	3/02/1999	N001	82	#	-	-	-	-
	mg/L	0960	3/07/1999	0001	113	#	-	-	-	-
	mg/L	0960	3/07/1999	N001	104	#	-	-	-	-
	mg/L	0961	3/09/1999	0001	109	#	-	-	-	-
	mg/L	0961	3/09/1999	N001	109	#	-	-	-	-
	mg/L	0962	3/08/1999	0001	96	#	-	-	-	-
mg/L	0962	3/08/1999	N001	104	#	-	-	-	-	
mg/L	0963	3/08/1999	0001	102	#	-	-	-	-	
mg/L	0963	3/08/1999	N001	105	#	-	-	-	-	
Ammonia as NH4	mg/L	0546	3/07/1999	0001	0.132	#	-	-	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
			DATE	ID		LAB	DATA	QA		
Ammonia as NH4	mg/L	0548	3/07/1999	0001	0.016	B	U	#	-	-
	mg/L	0553	3/07/1999	0001	0.018	B	U	#	-	-
	mg/L	0555	3/06/1999	0001	0.018	B	U	#	-	-
	mg/L	0655	3/02/1999	0001	0.019	B		#	-	-
	mg/L	0658	3/09/1999	0001	0.022	B		#	-	-
	mg/L	0887	3/04/1999	0001	0.024	B		#	-	-
	mg/L	0888	3/06/1999	0001	0.044	B		#	-	-
	mg/L	0893	3/09/1999	0001	0.012	B		#	-	-
	mg/L	0894	3/02/1999	0001	0.008	B		#	-	-
	mg/L	0895	3/08/1999	0001	0.014	B		#	-	-
	mg/L	0896	3/08/1999	0001	0.020	B		#	-	-
	mg/L	0897	3/08/1999	0001	0.014	B		#	-	-
	mg/L	0898	3/02/1999	0001	0.010	B		#	-	-
	mg/L	0960	3/07/1999	0001	0.015	B	U	#	-	-
	mg/L	0961	3/09/1999	0001	0.012	B		#	-	-
	mg/L	0962	3/08/1999	0001	0.012	B		#	-	-
	mg/L	0963	3/08/1999	0001	0.164			#	-	-
mg/L	0964	3/09/1999	0001	0.010	B		#	-	-	
Antimony	mg/L	0546	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0548	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0553	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0555	3/06/1999	0001	0.001	U		#	0.001	-
	mg/L	0655	3/02/1999	0001	0.001	U		#	0.001	-
	mg/L	0658	3/09/1999	0001	0.001	U		#	0.001	-
	mg/L	0887	3/04/1999	0001	0.001	U		#	0.001	-
	mg/L	0888	3/06/1999	0001	0.001	U		#	0.001	-
	mg/L	0893	3/09/1999	0001	0.001	U		#	0.001	-
	mg/L	0894	3/02/1999	0001	0.001	U		#	0.001	-
	mg/L	0895	3/08/1999	0001	0.001	U		#	0.001	-
	mg/L	0896	3/08/1999	0001	0.001	U		#	0.001	-
	mg/L	0897	3/08/1999	0001	0.001	U		#	0.001	-
	mg/L	0898	3/02/1999	0001	0.001	U		#	0.001	-
	mg/L	0960	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0961	3/09/1999	0001	0.001	U		#	0.001	-
	mg/L	0962	3/08/1999	0001	0.001	U		#	0.001	-
mg/L	0963	3/08/1999	0001	0.001	U		#	0.001	-	
mg/L	0964	3/09/1999	0001	0.001	U		#	0.001	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
			DATE	ID		LAB	DATA	QA		
Arsenic	mg/L	0546	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0548	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0553	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0555	3/06/1999	0001	0.001	U		#	0.001	-
	mg/L	0655	3/02/1999	0001	0.001	U		#	0.001	-
	mg/L	0658	3/09/1999	0001	0.001	U		#	0.001	-
	mg/L	0887	3/04/1999	0001	0.001	U		#	0.001	-
	mg/L	0888	3/06/1999	0001	0.001	U		#	0.001	-
	mg/L	0893	3/09/1999	0001	0.001	U		#	0.001	-
	mg/L	0894	3/02/1999	0001	0.001	U		#	0.001	-
	mg/L	0895	3/08/1999	0001	0.001	U		#	0.001	-
	mg/L	0896	3/08/1999	0001	0.001	U		#	0.001	-
	mg/L	0897	3/08/1999	0001	0.001	U		#	0.001	-
	mg/L	0898	3/02/1999	0001	0.001	U		#	0.001	-
	mg/L	0960	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0961	3/09/1999	0001	0.001	U		#	0.001	-
	mg/L	0962	3/08/1999	0001	0.001	U		#	0.001	-
mg/L	0963	3/08/1999	0001	0.001	U		#	0.001	-	
mg/L	0964	3/09/1999	0001	0.001	U		#	0.001	-	
Cadmium	mg/L	0546	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0548	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0553	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0555	3/06/1999	0001	0.001	U		#	0.001	-
	mg/L	0655	3/02/1999	0001	0.001	U		#	0.001	-
	mg/L	0658	3/09/1999	0001	0.001	U		#	0.001	-
	mg/L	0887	3/04/1999	0001	0.001	U		#	0.001	-
	mg/L	0888	3/06/1999	0001	0.001	U		#	0.001	-
	mg/L	0893	3/09/1999	0001	0.001	U		#	0.001	-
	mg/L	0894	3/02/1999	0001	0.001	U		#	0.001	-
	mg/L	0895	3/08/1999	0001	0.001	U		#	0.001	-
	mg/L	0896	3/08/1999	0001	0.001	U		#	0.001	-
	mg/L	0897	3/08/1999	0001	0.001	U		#	0.001	-
	mg/L	0898	3/02/1999	0001	0.001	U		#	0.001	-
	mg/L	0960	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0961	3/09/1999	0001	0.001	U		#	0.001	-
	mg/L	0962	3/08/1999	0001	0.001	U		#	0.001	-
mg/L	0963	3/08/1999	0001	0.001	U		#	0.001	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Cadmium	mg/L	0964	3/09/1999	0001	0.001	U #	0.001	-
Calcium	mg/L	0546	3/07/1999	0001	57.400	#	-	-
	mg/L	0548	3/07/1999	0001	58.800	#	-	-
	mg/L	0553	3/07/1999	0001	58.900	#	-	-
	mg/L	0555	3/06/1999	0001	57.400	#	-	-
	mg/L	0655	3/02/1999	0001	196.000	#	-	-
	mg/L	0658	3/09/1999	0001	124.000	#	-	-
	mg/L	0887	3/04/1999	0001	491.000	#	-	-
	mg/L	0888	3/06/1999	0001	85.100	#	-	-
	mg/L	0893	3/09/1999	0001	58.400	#	-	-
	mg/L	0894	3/02/1999	0001	57.400	#	-	-
	mg/L	0895	3/08/1999	0001	58.600	#	-	-
	mg/L	0896	3/08/1999	0001	58.100	#	-	-
	mg/L	0897	3/08/1999	0001	57.000	#	-	-
	mg/L	0898	3/02/1999	0001	57.700	#	-	-
	mg/L	0960	3/07/1999	0001	58.800	#	-	-
	mg/L	0961	3/09/1999	0001	58.200	#	-	-
	mg/L	0962	3/08/1999	0001	58.100	#	-	-
	mg/L	0963	3/08/1999	0001	58.000	#	-	-
mg/L	0964	3/09/1999	0001	57.000	#	-	-	
Chloride	mg/L	0546	3/07/1999	0001	12.500	#	-	-
	mg/L	0548	3/07/1999	0001	13.000	#	-	-
	mg/L	0553	3/07/1999	0001	13.800	#	-	-
	mg/L	0555	3/06/1999	0001	13.600	#	-	-
	mg/L	0655	3/02/1999	0001	79.500	#	-	-
	mg/L	0658	3/09/1999	0001	58.800	#	-	-
	mg/L	0887	3/04/1999	0001	71.000	#	-	-
	mg/L	0888	3/06/1999	0001	31.800	#	-	-
	mg/L	0893	3/09/1999	0001	14.300	#	-	-
	mg/L	0894	3/02/1999	0001	14.400	#	-	-
	mg/L	0895	3/08/1999	0001	13.500	#	-	-
	mg/L	0896	3/08/1999	0001	13.700	#	-	-
	mg/L	0897	3/08/1999	0001	12.400	#	-	-
	mg/L	0898	3/02/1999	0001	15.100	#	-	-
mg/L	0960	3/07/1999	0001	13.300	#	-	-	
mg/L	0961	3/09/1999	0001	14.900	#	-	-	
mg/L	0962	3/08/1999	0001	13.400	#	-	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0963	3/08/1999	0001	13.100	#	-	-
	mg/L	0964	3/09/1999	0001	13.000	#	-	-
Gross Alpha	pCi/L	0546	3/07/1999	0001	2.77	U J #	2.77	± 1.54
	pCi/L	0548	3/07/1999	0001	3.37	U J #	3.37	± 1.87
	pCi/L	0553	3/07/1999	0001	3.39	U J #	3.39	± 2.07
	pCi/L	0555	3/06/1999	0001	2.20	U J #	2.2	± 1.22
	pCi/L	0655	3/02/1999	0001	26.62	U J #	26.62	± 18.8
	pCi/L	0658	3/09/1999	0001	16.55	U J #	16.55	± 7.27
	pCi/L	0887	3/04/1999	0001	78.57	#	37.6	± 30.0
	pCi/L	0888	3/06/1999	0001	4.11	U J #	4.11	± 2.85
	pCi/L	0893	3/09/1999	0001	3.43	U #	3.43	± 1.78
	pCi/L	0894	3/02/1999	0001	2.35	U J #	2.35	± 1.30
	pCi/L	0895	3/08/1999	0001	3.40	U J #	3.4	± 1.84
	pCi/L	0896	3/08/1999	0001	3.20	U J #	3.2	± 1.69
	pCi/L	0897	3/08/1999	0001	3.18	U J #	3.18	± 1.92
	pCi/L	0898	3/02/1999	0001	3.21	J #	2.29	± 1.80
	pCi/L	0960	3/07/1999	0001	3.16	U J #	3.16	± 1.69
	pCi/L	0961	3/09/1999	0001	3.40	U J #	3.4	± 1.72
	pCi/L	0962	3/08/1999	0001	3.40	U J #	3.4	± 1.79
	pCi/L	0963	3/08/1999	0001	4.64	U J #	4.64	± 2.30
pCi/L	0964	3/09/1999	0001	3.23	U J #	3.23	± 1.82	
Gross Beta	pCi/L	0546	3/07/1999	0001	2.96	U #	2.96	± 1.77
	pCi/L	0548	3/07/1999	0001	3.32	U #	3.32	± 2.01
	pCi/L	0553	3/07/1999	0001	3.76	#	3.33	± 2.10
	pCi/L	0555	3/06/1999	0001	2.59	U #	2.59	± 1.60
	pCi/L	0655	3/02/1999	0001	33.60	#	31.22	± 19.4
	pCi/L	0658	3/09/1999	0001	18.66	U #	18.66	± 11.0
	pCi/L	0887	3/04/1999	0001	53.93	#	40.12	± 25.7
	pCi/L	0888	3/06/1999	0001	4.69	U #	4.69	± 2.87
	pCi/L	0893	3/09/1999	0001	3.32	U #	3.32	± 2.01
	pCi/L	0894	3/02/1999	0001	3.26	#	2.6	± 1.64
	pCi/L	0895	3/08/1999	0001	3.32	U #	3.32	± 2.04
	pCi/L	0896	3/08/1999	0001	3.00	U #	3	± 1.85
	pCi/L	0897	3/08/1999	0001	3.61	#	3.01	± 1.91
	pCi/L	0898	3/02/1999	0001	3.60	#	2.55	± 1.63
	pCi/L	0960	3/07/1999	0001	3.29	U #	3.29	± 2.02
pCi/L	0961	3/09/1999	0001	3.31	U #	3.31	± 2.00	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID		LAB	DATA	QA		
Gross Beta	pCi/L	0962	3/08/1999	0001	3.67			#	3.32	± 2.09
	pCi/L	0963	3/08/1999	0001	5.80	U		#	5.8	± 3.46
	pCi/L	0964	3/09/1999	0001	3.15	U		#	3.15	± 1.95
Iron	mg/L	0546	3/07/1999	0001	0.005	B	U	#	-	-
	mg/L	0548	3/07/1999	0001	0.007	B	U	#	-	-
	mg/L	0553	3/07/1999	0001	0.005	U		#	0.005	-
	mg/L	0555	3/06/1999	0001	0.021	B	U	#	-	-
	mg/L	0655	3/02/1999	0001	0.006	B	U	#	-	-
	mg/L	0658	3/09/1999	0001	0.110			#	-	-
	mg/L	0887	3/04/1999	0001	0.005	U		#	0.005	-
	mg/L	0888	3/06/1999	0001	0.005	U		#	0.005	-
	mg/L	0893	3/09/1999	0001	0.005	B	U	#	-	-
	mg/L	0894	3/02/1999	0001	0.005	U		#	0.005	-
	mg/L	0895	3/08/1999	0001	0.005	U		#	0.005	-
	mg/L	0896	3/08/1999	0001	0.008	B	U	#	-	-
	mg/L	0897	3/08/1999	0001	0.008	B	U	#	-	-
	mg/L	0898	3/02/1999	0001	0.013	B	U	#	-	-
	mg/L	0960	3/07/1999	0001	0.005	U		#	0.005	-
	mg/L	0961	3/09/1999	0001	0.005	U		#	0.005	-
	mg/L	0962	3/08/1999	0001	0.020	B	U	#	-	-
mg/L	0963	3/08/1999	0001	0.005	U		#	0.005	-	
mg/L	0964	3/09/1999	0001	0.015	B	U	#	-	-	
Magnesium	mg/L	0546	3/07/1999	0001	10.300			#	-	-
	mg/L	0548	3/07/1999	0001	10.900			#	-	-
	mg/L	0553	3/07/1999	0001	10.800			#	-	-
	mg/L	0555	3/06/1999	0001	10.700			#	-	-
	mg/L	0655	3/02/1999	0001	75.200			#	-	-
	mg/L	0658	3/09/1999	0001	15.600			#	-	-
	mg/L	0887	3/04/1999	0001	265.000			#	-	-
	mg/L	0888	3/06/1999	0001	32.300			#	-	-
	mg/L	0893	3/09/1999	0001	11.400			#	-	-
	mg/L	0894	3/02/1999	0001	12.200			#	-	-
	mg/L	0895	3/08/1999	0001	11.300			#	-	-
	mg/L	0896	3/08/1999	0001	11.200			#	-	-
	mg/L	0897	3/08/1999	0001	10.600			#	-	-
mg/L	0898	3/02/1999	0001	12.200			#	-	-	
mg/L	0960	3/07/1999	0001	10.900			#	-	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY	
			DATE	ID		LAB	DATA	QA			
Magnesium	mg/L	0961	3/09/1999	0001	11.400				#	-	-
	mg/L	0962	3/08/1999	0001	11.600				#	-	-
	mg/L	0963	3/08/1999	0001	11.200				#	-	-
	mg/L	0964	3/09/1999	0001	10.700				#	-	-
Manganese	mg/L	0546	3/07/1999	0001	0.009	B			#	-	-
	mg/L	0548	3/07/1999	0001	0.012				#	-	-
	mg/L	0553	3/07/1999	0001	0.006	B			#	-	-
	mg/L	0555	3/06/1999	0001	0.015				#	-	-
	mg/L	0655	3/02/1999	0001	0.287				#	-	-
	mg/L	0658	3/09/1999	0001	0.024				#	-	-
	mg/L	0887	3/04/1999	0001	0.360				#	-	-
	mg/L	0888	3/06/1999	0001	0.016				#	-	-
	mg/L	0893	3/09/1999	0001	0.010				#	-	-
	mg/L	0894	3/02/1999	0001	0.010				#	-	-
	mg/L	0895	3/08/1999	0001	0.014				#	-	-
	mg/L	0896	3/08/1999	0001	0.008	B			#	-	-
	mg/L	0897	3/08/1999	0001	0.008	B			#	-	-
	mg/L	0898	3/02/1999	0001	0.007	B			#	-	-
	mg/L	0960	3/07/1999	0001	0.006	B			#	-	-
	mg/L	0961	3/09/1999	0001	0.010				#	-	-
mg/L	0962	3/08/1999	0001	0.013				#	-	-	
mg/L	0963	3/08/1999	0001	0.007	B			#	-	-	
mg/L	0964	3/09/1999	0001	0.008	B			#	-	-	
Nitrate	mg/L	0546	3/07/1999	0001	0.481	B			#	-	-
	mg/L	0548	3/07/1999	0001	0.591	B			#	-	-
	mg/L	0553	3/07/1999	0001	0.834	B			#	-	-
	mg/L	0555	3/06/1999	0001	0.746	B			#	-	-
	mg/L	0655	3/02/1999	0001	33.300				#	-	-
	mg/L	0658	3/09/1999	0001	0.461	B			#	-	-
	mg/L	0887	3/04/1999	0001	165.000				#	-	-
	mg/L	0888	3/06/1999	0001	3.630				#	-	-
	mg/L	0893	3/09/1999	0001	1.040				#	-	-
	mg/L	0894	3/02/1999	0001	0.973	B			#	-	-
mg/L	0895	3/08/1999	0001	0.869	B			#	-	-	
mg/L	0896	3/08/1999	0001	0.881	B			#	-	-	
mg/L	0897	3/08/1999	0001	1.110				#	-	-	
mg/L	0898	3/02/1999	0001	0.891	B			#	-	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN- CERTAINTY
			DATE	ID		LAB	DATA QA		
Nitrate	mg/L	0960	3/07/1999	0001	0.790	B	#	-	-
	mg/L	0961	3/09/1999	0001	1.020		#	-	-
	mg/L	0962	3/08/1999	0001	0.844	B	#	-	-
	mg/L	0963	3/08/1999	0001	0.818	B	#	-	-
	mg/L	0964	3/09/1999	0001	0.747	B	#	-	-
pH	s.u.	0546	3/07/1999	N001	8.18		#	-	-
	s.u.	0548	3/07/1999	N001	8.36		#	-	-
	s.u.	0553	3/07/1999	N001	8.42		#	-	-
	s.u.	0555	3/06/1999	N001	8.61		#	-	-
	s.u.	0655	3/02/1999	N001	8.54		#	-	-
	s.u.	0658	3/09/1999	N001	7.23		#	-	-
	s.u.	0887	3/04/1999	N001	7.57		#	-	-
	s.u.	0888	3/06/1999	N001	8.41		#	-	-
	s.u.	0893	3/09/1999	N001	8.12		#	-	-
	s.u.	0894	3/02/1999	N001	8.75		#	-	-
	s.u.	0895	3/08/1999	N001	8.51		#	-	-
	s.u.	0896	3/08/1999	N001	8.49		#	-	-
	s.u.	0897	3/08/1999	N001	8.48		#	-	-
	s.u.	0898	3/02/1999	N001	8.42		#	-	-
	s.u.	0960	3/07/1999	N001	8.38		#	-	-
	s.u.	0961	3/09/1999	N001	8.15		#	-	-
	s.u.	0962	3/08/1999	N001	8.55		#	-	-
s.u.	0963	3/08/1999	N001	8.75		#	-	-	
Polonium-210	pCi/L	0546	3/07/1999	0001	0.27	U	#	0.27	± -0.24
	pCi/L	0548	3/07/1999	0001	0.08	U	#	0.08	± 0.08
	pCi/L	0553	3/07/1999	0001	0.15	U	#	0.15	± 0.18
	pCi/L	0555	3/06/1999	0001	0.07	U	#	0.07	± 0.09
	pCi/L	0655	3/02/1999	0001	0.10	U	#	0.1	± 0.10
	pCi/L	0658	3/09/1999	0001	0.27	U	#	0.27	± 0.25
	pCi/L	0887	3/04/1999	0001	0.15	U	#	0.15	± 0.15
	pCi/L	0888	3/06/1999	0001	0.09	U	#	0.09	± 0.10
	pCi/L	0893	3/09/1999	0001	0.19	U	#	0.19	± 0.22
	pCi/L	0894	3/02/1999	0001	0.21	U	#	0.21	± 0.21
	pCi/L	0895	3/08/1999	0001	0.21	U	#	0.21	± 0.21
	pCi/L	0896	3/08/1999	0001	0.30	U	#	0.3	± 0.28
	pCi/L	0897	3/08/1999	0001	0.19	U	#	0.19	± 0.17
pCi/L	0898	3/02/1999	0001	0.19	U	#	0.19	± -0.15	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Polonium-210	pCi/L	0960	3/07/1999	0001	0.19	U #	0.19	± 0.19
	pCi/L	0961	3/09/1999	0001	0.18	U #	0.18	± 0.18
	pCi/L	0962	3/08/1999	0001	0.30	U #	0.3	± 0.28
	pCi/L	0963	3/08/1999	0001	0.21	U #	0.21	± 0.20
	pCi/L	0964	3/09/1999	0001	0.20	U #	0.2	± 0.19
Potassium	mg/L	0546	3/07/1999	0001	2.290	#	-	-
	mg/L	0548	3/07/1999	0001	2.310	#	-	-
	mg/L	0553	3/07/1999	0001	2.310	#	-	-
	mg/L	0555	3/06/1999	0001	2.350	#	-	-
	mg/L	0655	3/02/1999	0001	10.000	#	-	-
	mg/L	0658	3/09/1999	0001	7.640	#	-	-
	mg/L	0887	3/04/1999	0001	8.480	#	-	-
	mg/L	0888	3/06/1999	0001	4.200	#	-	-
	mg/L	0893	3/09/1999	0001	2.270	#	-	-
	mg/L	0894	3/02/1999	0001	2.380	#	-	-
	mg/L	0895	3/08/1999	0001	2.330	#	-	-
	mg/L	0896	3/08/1999	0001	2.300	#	-	-
	mg/L	0897	3/08/1999	0001	2.280	#	-	-
	mg/L	0898	3/02/1999	0001	2.430	#	-	-
	mg/L	0960	3/07/1999	0001	2.550	#	-	-
	mg/L	0961	3/09/1999	0001	2.290	#	-	-
mg/L	0962	3/08/1999	0001	2.290	#	-	-	
mg/L	0963	3/08/1999	0001	2.320	#	-	-	
mg/L	0964	3/09/1999	0001	2.270	#	-	-	
Radium-226	pCi/L	0546	3/07/1999	0001	0.12	U #	0.12	± 0.07
	pCi/L	0548	3/07/1999	0001	0.11	U #	0.11	± 0.06
	pCi/L	0553	3/07/1999	0001	0.11	U #	0.11	± 0.07
	pCi/L	0555	3/06/1999	0001	0.11	U #	0.11	± 0.06
	pCi/L	0655	3/02/1999	0001	0.17	#	0.13	± 0.09
	pCi/L	0658	3/09/1999	0001	0.54	#	0.11	± 0.10
	pCi/L	0887	3/04/1999	0001	0.10	U #	0.1	± 0.06
	pCi/L	0888	3/06/1999	0001	0.14	U #	0.14	± 0.09
	pCi/L	0893	3/09/1999	0001	0.11	U #	0.11	± 0.07
	pCi/L	0894	3/02/1999	0001	0.13	U #	0.13	± 0.07
	pCi/L	0895	3/08/1999	0001	0.12	U #	0.12	± 0.07
	pCi/L	0896	3/08/1999	0001	0.11	U #	0.11	± 0.06
pCi/L	0897	3/08/1999	0001	0.12	U #	0.12	± 0.07	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID		LAB	DATA	QA		
Radium-226	pCi/L	0898	3/02/1999	0001	0.14	U		#	0.14	± 0.08
	pCi/L	0960	3/07/1999	0001	0.10	U		#	0.1	± 0.06
	pCi/L	0961	3/09/1999	0001	0.11	U		#	0.11	± 0.06
	pCi/L	0962	3/08/1999	0001	0.12	U		#	0.12	± 0.07
	pCi/L	0963	3/08/1999	0001	0.12	U		#	0.12	± 0.07
	pCi/L	0964	3/09/1999	0001	0.10	U		#	0.1	± 0.06
Radium-228	pCi/L	0546	3/07/1999	0001	0.73	U		#	0.73	± 0.44
	pCi/L	0548	3/07/1999	0001	0.63	U		#	0.63	± 0.38
	pCi/L	0553	3/07/1999	0001	0.68		U	#	0.63	± 0.38
	pCi/L	0555	3/06/1999	0001	0.63	U	U	#	0.63	± 0.38
	pCi/L	0655	3/02/1999	0001	0.76	U	U	#	0.76	± 0.45
	pCi/L	0658	3/09/1999	0001	0.80		U	#	0.65	± 0.39
	pCi/L	0887	3/04/1999	0001	0.58	U		#	0.58	± 0.35
	pCi/L	0888	3/06/1999	0001	0.81	U	U	#	0.81	± 0.48
	pCi/L	0893	3/09/1999	0001	0.71	U		#	0.71	± 0.42
	pCi/L	0894	3/02/1999	0001	0.74	U	U	#	0.74	± 0.44
	pCi/L	0895	3/08/1999	0001	0.72	U		#	0.72	± 0.43
	pCi/L	0896	3/08/1999	0001	0.68	U		#	0.68	± 0.41
	pCi/L	0897	3/08/1999	0001	0.71	U		#	0.71	± 0.42
	pCi/L	0898	3/02/1999	0001	0.80	U	U	#	0.8	± 0.48
	pCi/L	0960	3/07/1999	0001	0.58	U	U	#	0.58	± 0.35
	pCi/L	0961	3/09/1999	0001	0.68	U		#	0.68	± 0.40
pCi/L	0962	3/08/1999	0001	0.71	U		#	0.71	± 0.42	
pCi/L	0963	3/08/1999	0001	0.72	U		#	0.72	± 0.43	
pCi/L	0964	3/09/1999	0001	0.64	U		#	0.64	± 0.38	
Redox Potential	mV	0546	3/07/1999	N001	190			#	-	-
	mV	0548	3/07/1999	N001	226			#	-	-
	mV	0553	3/07/1999	N001	197			#	-	-
	mV	0555	3/06/1999	N001	253			#	-	-
	mV	0655	3/02/1999	N001	190			#	-	-
	mV	0658	3/09/1999	N001	67			#	-	-
	mV	0887	3/04/1999	N001	210			#	-	-
	mV	0888	3/06/1999	N001	206			#	-	-
	mV	0893	3/09/1999	N001	169			#	-	-
	mV	0894	3/02/1999	N001	198			#	-	-
mV	0895	3/08/1999	N001	214			#	-	-	
mV	0896	3/08/1999	N001	203			#	-	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID		LAB	DATA	QA		
Redox Potential	mV	0897	3/08/1999	N001	218			#	-	-
	mV	0898	3/02/1999	N001	205			#	-	-
	mV	0960	3/07/1999	N001	184			#	-	-
	mV	0961	3/09/1999	N001	164			#	-	-
	mV	0962	3/08/1999	N001	200			#	-	-
	mV	0963	3/08/1999	N001	184			#	-	-
	Selenium	mg/L	0546	3/07/1999	0001	0.001	U		#	0.001
mg/L		0548	3/07/1999	0001	0.001	U		#	0.001	-
mg/L		0553	3/07/1999	0001	0.001	U		#	0.001	-
mg/L		0555	3/06/1999	0001	0.001	U		#	0.001	-
mg/L		0655	3/02/1999	0001	0.019			#	-	-
mg/L		0658	3/09/1999	0001	0.001	U		#	0.001	-
mg/L		0887	3/04/1999	0001	0.158			#	-	-
mg/L		0888	3/06/1999	0001	0.001	B		#	-	-
mg/L		0893	3/09/1999	0001	0.001	U		#	0.001	-
mg/L		0894	3/02/1999	0001	0.001	B		#	-	-
mg/L		0895	3/08/1999	0001	0.001	U		#	0.001	-
mg/L		0896	3/08/1999	0001	0.001	U		#	0.001	-
mg/L		0897	3/08/1999	0001	0.001	U		#	0.001	-
mg/L		0898	3/02/1999	0001	0.001	U		#	0.001	-
mg/L		0960	3/07/1999	0001	0.001	U		#	0.001	-
mg/L		0961	3/09/1999	0001	0.001	U		#	0.001	-
mg/L		0962	3/08/1999	0001	0.001	U		#	0.001	-
mg/L		0963	3/08/1999	0001	0.001	U		#	0.001	-
mg/L		0964	3/09/1999	0001	0.001	U		#	0.001	-
Sodium		mg/L	0546	3/07/1999	0001	37.300			#	-
	mg/L	0548	3/07/1999	0001	38.400			#	-	-
	mg/L	0553	3/07/1999	0001	38.500			#	-	-
	mg/L	0555	3/06/1999	0001	38.200			#	-	-
	mg/L	0655	3/02/1999	0001	1030.000			#	-	-
	mg/L	0658	3/09/1999	0001	870.000			#	-	-
	mg/L	0887	3/04/1999	0001	346.000			#	-	-
	mg/L	0888	3/06/1999	0001	99.500			#	-	-
	mg/L	0893	3/09/1999	0001	42.400			#	-	-
	mg/L	0894	3/02/1999	0001	46.000			#	-	-
	mg/L	0895	3/08/1999	0001	39.500			#	-	-
	mg/L	0896	3/08/1999	0001	39.300			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sodium	mg/L	0897	3/08/1999	0001	37.900	#	-	-
	mg/L	0898	3/02/1999	0001	42.300	#	-	-
	mg/L	0960	3/07/1999	0001	38.700	#	-	-
	mg/L	0961	3/09/1999	0001	41.300	#	-	-
	mg/L	0962	3/08/1999	0001	40.500	#	-	-
	mg/L	0963	3/08/1999	0001	38.900	#	-	-
	mg/L	0964	3/09/1999	0001	37.700	#	-	-
Specific Conductance	umhos/cm	0546	3/07/1999	N001	531	#	-	-
	umhos/cm	0548	3/07/1999	N001	545	#	-	-
	umhos/cm	0553	3/07/1999	N001	555	#	-	-
	umhos/cm	0555	3/06/1999	N001	535	#	-	-
	umhos/cm	0655	3/02/1999	N001	5200	#	-	-
	umhos/cm	0658	3/09/1999	N001	4210	#	-	-
	umhos/cm	0887	3/04/1999	N001	4510	#	-	-
	umhos/cm	0888	3/06/1999	N001	1050	#	-	-
	umhos/cm	0893	3/09/1999	N001	575	#	-	-
	umhos/cm	0894	3/02/1999	N001	597	#	-	-
	umhos/cm	0895	3/08/1999	N001	563	#	-	-
	umhos/cm	0896	3/08/1999	N001	551	#	-	-
	umhos/cm	0897	3/08/1999	N001	534	#	-	-
	umhos/cm	0898	3/02/1999	N001	583	#	-	-
	umhos/cm	0960	3/07/1999	N001	555	#	-	-
	umhos/cm	0961	3/09/1999	N001	575	#	-	-
	umhos/cm	0962	3/08/1999	N001	567	#	-	-
umhos/cm	0963	3/08/1999	N001	547	#	-	-	
Strontium	mg/L	0546	3/07/1999	0001	0.720	#	-	-
	mg/L	0548	3/07/1999	0001	0.734	#	-	-
	mg/L	0553	3/07/1999	0001	0.747	#	-	-
	mg/L	0555	3/06/1999	0001	0.730	#	-	-
	mg/L	0655	3/02/1999	0001	11.300	#	-	-
	mg/L	0658	3/09/1999	0001	11.600	#	-	-
	mg/L	0887	3/04/1999	0001	5.800	#	-	-
	mg/L	0888	3/06/1999	0001	1.290	#	-	-
	mg/L	0893	3/09/1999	0001	0.746	#	-	-
	mg/L	0894	3/02/1999	0001	0.806	#	-	-
	mg/L	0895	3/08/1999	0001	0.739	#	-	-
mg/L	0896	3/08/1999	0001	0.727	#	-	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
			DATE	ID		LAB	DATA	QA		
Strontium	mg/L	0897	3/08/1999	0001	0.711			#	-	-
	mg/L	0898	3/02/1999	0001	0.786			#	-	-
	mg/L	0960	3/07/1999	0001	0.742			#	-	-
	mg/L	0961	3/09/1999	0001	0.744			#	-	-
	mg/L	0962	3/08/1999	0001	0.732			#	-	-
	mg/L	0963	3/08/1999	0001	0.729			#	-	-
	mg/L	0964	3/09/1999	0001	0.712			#	-	-
Sulfate	mg/L	0546	3/07/1999	0001	134.000			#	-	-
	mg/L	0548	3/07/1999	0001	139.000			#	-	-
	mg/L	0553	3/07/1999	0001	141.000			#	-	-
	mg/L	0555	3/06/1999	0001	139.000			#	-	-
	mg/L	0655	3/02/1999	0001	2540.000			#	-	-
	mg/L	0658	3/09/1999	0001	2050.000			#	-	-
	mg/L	0887	3/04/1999	0001	2510.000			#	-	-
	mg/L	0888	3/06/1999	0001	369.000			#	-	-
	mg/L	0893	3/09/1999	0001	152.000			#	-	-
	mg/L	0894	3/02/1999	0001	175.000			#	-	-
	mg/L	0895	3/08/1999	0001	143.000			#	-	-
	mg/L	0896	3/08/1999	0001	142.000			#	-	-
	mg/L	0897	3/08/1999	0001	141.000			#	-	-
	mg/L	0898	3/02/1999	0001	165.000			#	-	-
	mg/L	0960	3/07/1999	0001	139.000			#	-	-
	mg/L	0961	3/09/1999	0001	156.000			#	-	-
	mg/L	0962	3/08/1999	0001	146.000			#	-	-
mg/L	0963	3/08/1999	0001	143.000			#	-	-	
mg/L	0964	3/09/1999	0001	143.000			#	-	-	
Temperature	C	0546	3/07/1999	N001	9.9			#	-	-
	C	0548	3/07/1999	N001	9.3			#	-	-
	C	0553	3/07/1999	N001	7.1			#	-	-
	C	0555	3/06/1999	N001	10.2			#	-	-
	C	0655	3/02/1999	N001	8.9			#	-	-
	C	0658	3/09/1999	N001	4.9			#	-	-
	C	0887	3/04/1999	N001	7.0			#	-	-
	C	0888	3/06/1999	N001	7.7			#	-	-
	C	0893	3/09/1999	N001	5.9			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
			DATE	ID		LAB	DATA	QA		
Temperature	C	0896	3/08/1999	N001	9.7			#	-	-
	C	0897	3/08/1999	N001	9.9			#	-	-
	C	0898	3/02/1999	N001	10.0			#	-	-
	C	0960	3/07/1999	N001	7.1			#	-	-
	C	0961	3/09/1999	N001	6.3			#	-	-
	C	0962	3/08/1999	N001	7.7			#	-	-
	C	0963	3/08/1999	N001	9.3			#	-	-
Total Dissolved Solids	mg/L	0546	3/07/1999	0001	360			#	-	-
	mg/L	0548	3/07/1999	0001	383			#	-	-
	mg/L	0553	3/07/1999	0001	385			#	-	-
	mg/L	0555	3/06/1999	0001	395			#	-	-
	mg/L	0655	3/02/1999	0001	4320			#	-	-
	mg/L	0658	3/09/1999	0001	3250			#	-	-
	mg/L	0887	3/04/1999	0001	4460			#	-	-
	mg/L	0888	3/06/1999	0001	730			#	-	-
	mg/L	0893	3/09/1999	0001	383			#	-	-
	mg/L	0894	3/02/1999	0001	395			#	-	-
	mg/L	0895	3/08/1999	0001	392			#	-	-
	mg/L	0896	3/08/1999	0001	358			#	-	-
	mg/L	0897	3/08/1999	0001	365			#	-	-
	mg/L	0898	3/02/1999	0001	378			#	-	-
	mg/L	0960	3/07/1999	0001	387			#	-	-
	mg/L	0961	3/09/1999	0001	390			#	-	-
	mg/L	0962	3/08/1999	0001	380			#	-	-
mg/L	0963	3/08/1999	0001	640			#	-	-	
mg/L	0964	3/09/1999	0001	370			#	-	-	
Turbidity	NTU	0546	3/07/1999	N001	18.7			#	-	-
	NTU	0548	3/07/1999	N001	20.0			#	-	-
	NTU	0553	3/07/1999	N001	21.5			#	-	-
	NTU	0655	3/02/1999	N001	72.5			#	-	-
	NTU	0887	3/04/1999	N001	8.00			#	-	-
	NTU	0888	3/06/1999	N001	45.2			#	-	-
	NTU	0893	3/09/1999	N001	19.3			#	-	-
	NTU	0894	3/02/1999	N001	18.4			#	-	-
	NTU	0895	3/08/1999	N001	17.9			#	-	-
NTU	0896	3/08/1999	N001	29.0			#	-	-	
NTU	0897	3/08/1999	N001	19.0			#	-	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS: DETECTION UN-		
			DATE	ID		LAB DATA QA	LIMIT	CERTAINTY
Turbidity	NTU	0961	3/09/1999	N001	27.5	#	-	-
	NTU	0962	3/08/1999	N001	30.0	#	-	-
	NTU	0963	3/08/1999	N001	21.2	#	-	-
Uranium	mg/L	0546	3/07/1999	0001	0.001	#	-	-
	mg/L	0548	3/07/1999	0001	0.001	#	-	-
	mg/L	0553	3/07/1999	0001	0.001	#	-	-
	mg/L	0555	3/06/1999	0001	0.001	#	-	-
	mg/L	0655	3/02/1999	0001	0.036	#	-	-
	mg/L	0658	3/09/1999	0001	0.002	#	-	-
	mg/L	0887	3/04/1999	0001	0.050	#	-	-
	mg/L	0888	3/06/1999	0001	0.003	#	-	-
	mg/L	0893	3/09/1999	0001	0.002	#	-	-
	mg/L	0894	3/02/1999	0001	0.002	#	-	-
	mg/L	0895	3/08/1999	0001	0.002	#	-	-
	mg/L	0896	3/08/1999	0001	0.001	#	-	-
	mg/L	0897	3/08/1999	0001	0.001	#	-	-
	mg/L	0898	3/02/1999	0001	0.001	#	-	-
	mg/L	0960	3/07/1999	0001	0.001	#	-	-
	mg/L	0961	3/09/1999	0001	0.001	#	-	-
	mg/L	0962	3/08/1999	0001	0.002	#	-	-
	mg/L	0963	3/08/1999	0001	0.001	#	-	-
mg/L	0964	3/09/1999	0001	0.001	#	-	-	

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	SAMPLE: ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
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RECORDS: SELECTED FROM USEE800 WHERE site_code='SHP01' AND quality_assurance = TRUE AND (NOT (data_validation_qualifiers LIKE "R" OR data_validation_qualifiers LIKE "X") OR IsNull(data_validation_qualifiers)) AND DATE_SAMPLED between #2/28/1999# and #3/28/1999#

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: 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.

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

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

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY	
			DATE	ID		LAB	DATA	QA			
Alkalinity as CaCO3	mg/L	0425	3/04/1999	0001	536				#	-	-
	mg/L	0425	3/04/1999	N001	547				#	-	-
	mg/L	0426	3/04/1999	0001	342				#	-	-
	mg/L	0426	3/04/1999	N001	332				#	-	-
	mg/L	0662	3/07/1999	0001	64				#	-	-
	mg/L	0662	3/07/1999	N001	98				#	-	-
	mg/L	0884	3/04/1999	0001	248				#	-	-
	mg/L	0884	3/04/1999	N001	252				#	-	-
	mg/L	0886	3/07/1999	0001	539				#	-	-
	mg/L	0886	3/07/1999	N001	555				#	-	-
	mg/L	0889	3/07/1999	0001	564				#	-	-
	mg/L	0889	3/07/1999	N001	561				#	-	-
Ammonia as NH4	mg/L	0425	3/04/1999	0001	0.299				#	-	-
	mg/L	0426	3/04/1999	0001	0.027	B	U		#	-	-
	mg/L	0662	3/07/1999	0001	0.014	B			#	-	-
	mg/L	0662	3/07/1999	0002	0.014	B			#	-	-
	mg/L	0884	3/04/1999	0001	0.022	B			#	-	-
	mg/L	0886	3/07/1999	0001	0.137				#	-	-
	mg/L	0889	3/07/1999	0001	0.078	B			#	-	-
Antimony	mg/L	0425	3/04/1999	0001	0.001	U			#	0.001	-
	mg/L	0426	3/04/1999	0001	0.001	U			#	0.001	-
	mg/L	0662	3/07/1999	0001	0.001	U			#	0.001	-
	mg/L	0662	3/07/1999	0002	0.001	U			#	0.001	-
	mg/L	0884	3/04/1999	0001	0.001	U			#	0.001	-
	mg/L	0886	3/07/1999	0001	0.001	U			#	0.001	-
	mg/L	0889	3/07/1999	0001	0.001	B			#	-	-
Arsenic	mg/L	0425	3/04/1999	0001	0.001	U			#	0.001	-
	mg/L	0426	3/04/1999	0001	0.001	U			#	0.001	-
	mg/L	0662	3/07/1999	0001	0.001	U			#	0.001	-
	mg/L	0662	3/07/1999	0002	0.001	U			#	0.001	-
	mg/L	0884	3/04/1999	0001	0.001	U			#	0.001	-
	mg/L	0886	3/07/1999	0001	0.001	U			#	0.001	-
	mg/L	0889	3/07/1999	0001	0.001	U			#	0.001	-
Cadmium	mg/L	0425	3/04/1999	0001	0.001	U			#	0.001	-
	mg/L	0426	3/04/1999	0001	0.001	U			#	0.001	-
	mg/L	0662	3/07/1999	0001	0.001	U			#	0.001	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN-CERTAINTY
			DATE	ID		LAB	DATA	QA		
Cadmium	mg/L	0662	3/07/1999	0002	0.001	U		#	0.001	-
	mg/L	0884	3/04/1999	0001	0.001	U		#	0.001	-
	mg/L	0886	3/07/1999	0001	0.001	U		#	0.001	-
	mg/L	0889	3/07/1999	0001	0.001	U		#	0.001	-
Calcium	mg/L	0425	3/04/1999	0001	471.000			#	-	-
	mg/L	0426	3/04/1999	0001	434.000			#	-	-
	mg/L	0662	3/07/1999	0001	116.000			#	-	-
	mg/L	0662	3/07/1999	0002	116.000			#	-	-
	mg/L	0884	3/04/1999	0001	543.000			#	-	-
	mg/L	0886	3/07/1999	0001	413.000			#	-	-
	mg/L	0889	3/07/1999	0001	365.000			#	-	-
Chloride	mg/L	0425	3/04/1999	0001	204.000			#	-	-
	mg/L	0426	3/04/1999	0001	160.000			#	-	-
	mg/L	0662	3/07/1999	0001	56.400			#	-	-
	mg/L	0662	3/07/1999	0002	55.300			#	-	-
	mg/L	0884	3/04/1999	0001	43.900			#	-	-
	mg/L	0886	3/07/1999	0001	1410.000			#	-	-
	mg/L	0889	3/07/1999	0001	1360.000			#	-	-
Gross Alpha	pCi/L	0425	3/04/1999	0001	304.1			#	41.3	± 62.6
	pCi/L	0426	3/04/1999	0001	168.8			#	40.3	± 47.5
	pCi/L	0662	3/07/1999	0001	16.32	U	J	#	16.32	± 10.8
	pCi/L	0662	3/07/1999	0002	16.92	U	J	#	16.92	± 9.10
	pCi/L	0884	3/04/1999	0001	45.07			#	29.08	± 21.4
	pCi/L	0886	3/07/1999	0001	241.5	U	J	#	241.5	± 142.
	pCi/L	0889	3/07/1999	0001	206.95	U	J	#	206.95	± 107.
Gross Beta	pCi/L	0425	3/04/1999	0001	160.0			#	48.6	± 34.9
	pCi/L	0426	3/04/1999	0001	113.1			#	47.7	± 32.5
	pCi/L	0662	3/07/1999	0001	18.74	U		#	18.74	± 11.1
	pCi/L	0662	3/07/1999	0002	18.73	U		#	18.73	± 11.2
	pCi/L	0884	3/04/1999	0001	39.80			#	30.06	± 19.2
	pCi/L	0886	3/07/1999	0001	309.3	U		#	309.3	± 186.
	pCi/L	0889	3/07/1999	0001	233.6	U		#	233.6	± 138.
Iron	mg/L	0425	3/04/1999	0001	0.021	B	U	#	-	-
	mg/L	0426	3/04/1999	0001	0.071			#	-	-
	mg/L	0662	3/07/1999	0001	0.016	B	U	#	-	-
	mg/L	0662	3/07/1999	0002	0.019	B	U	#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			UN-CERTAINTY
			DATE	ID		LAB DATA	QA	DETECTION LIMIT	
Iron	mg/L	0884	3/04/1999	0001	0.005	U	#	0.005	-
	mg/L	0886	3/07/1999	0001	0.005	U	#	0.005	-
	mg/L	0889	3/07/1999	0001	0.005	U	#	0.005	-
Magnesium	mg/L	0425	3/04/1999	0001	496.000		#	-	-
	mg/L	0426	3/04/1999	0001	236.000		#	-	-
	mg/L	0662	3/07/1999	0001	14.500		#	-	-
	mg/L	0662	3/07/1999	0002	14.500		#	-	-
	mg/L	0884	3/04/1999	0001	183.000		#	-	-
	mg/L	0886	3/07/1999	0001	1440.000		#	-	-
	mg/L	0889	3/07/1999	0001	1310.000		#	-	-
Manganese	mg/L	0425	3/04/1999	0001	0.145		#	-	-
	mg/L	0426	3/04/1999	0001	0.012		#	-	-
	mg/L	0662	3/07/1999	0001	0.002	B	#	-	-
	mg/L	0662	3/07/1999	0002	0.002	B	#	-	-
	mg/L	0884	3/04/1999	0001	0.001	B	#	-	-
	mg/L	0886	3/07/1999	0001	0.005	B	#	-	-
	mg/L	0889	3/07/1999	0001	0.009	B	#	-	-
Nitrate	mg/L	0425	3/04/1999	0001	280.000		#	-	-
	mg/L	0426	3/04/1999	0001	178.000		#	-	-
	mg/L	0662	3/07/1999	0001	1.360		#	-	-
	mg/L	0662	3/07/1999	0002	1.390		#	-	-
	mg/L	0884	3/04/1999	0001	90.700		#	-	-
	mg/L	0886	3/07/1999	0001	3800.000		#	-	-
	mg/L	0889	3/07/1999	0001	3570.000		#	-	-
pH	s.u.	0425	3/04/1999	N001	6.94		#	-	-
	s.u.	0426	3/04/1999	N001	7.26		#	-	-
	s.u.	0662	3/07/1999	N001	8.38		#	-	-
	s.u.	0884	3/04/1999	N001	7.85		#	-	-
	s.u.	0886	3/07/1999	N001	8.62		#	-	-
	s.u.	0889	3/07/1999	N001	8.31		#	-	-
Polonium-210	pCi/L	0425	3/04/1999	0001	0.18	U	#	0.18	± 0.19
	pCi/L	0426	3/04/1999	0001	0.16	U	#	0.16	± 0.15
	pCi/L	0662	3/07/1999	0001	0.07	U	#	0.07	± 0.06
	pCi/L	0662	3/07/1999	0002	0.16	U	#	0.16	± -0.15
	pCi/L	0884	3/04/1999	0001	0.24	U	#	0.24	± -0.23
	pCi/L	0886	3/07/1999	0001	0.19	U	#	0.19	± 0.18

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE: DATE	ID	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Polonium-210	pCi/L	0889	3/07/1999	0001	0.11	U #	0.11	± 0.13
Potassium	mg/L	0425	3/04/1999	0001	26.400	#	-	-
	mg/L	0426	3/04/1999	0001	15.300	#	-	-
	mg/L	0662	3/07/1999	0001	7.990	#	-	-
	mg/L	0662	3/07/1999	0002	7.930	#	-	-
	mg/L	0884	3/04/1999	0001	6.080	#	-	-
	mg/L	0886	3/07/1999	0001	43.600	#	-	-
	mg/L	0889	3/07/1999	0001	42.700	#	-	-
Radium-226	pCi/L	0425	3/04/1999	0001	0.61	#	0.12	± 0.11
	pCi/L	0426	3/04/1999	0001	0.45	#	0.12	± 0.10
	pCi/L	0662	3/07/1999	0001	0.58	#	0.12	± 0.10
	pCi/L	0662	3/07/1999	0002	0.68	#	0.12	± 0.12
	pCi/L	0884	3/04/1999	0001	0.20	#	0.12	± 0.08
	pCi/L	0886	3/07/1999	0001	0.20	#	0.12	± 0.08
	pCi/L	0889	3/07/1999	0001	0.16	#	0.12	± 0.08
Radium-228	pCi/L	0425	3/04/1999	0001	1.01	#	0.67	± 0.41
	pCi/L	0426	3/04/1999	0001	0.77	#	0.67	± 0.41
	pCi/L	0662	3/07/1999	0001	1.15	U #	0.61	± 0.38
	pCi/L	0662	3/07/1999	0002	1.15	U #	0.66	± 0.41
	pCi/L	0884	3/04/1999	0001	0.66	U #	0.66	± 0.40
	pCi/L	0886	3/07/1999	0001	0.71	U U #	0.71	± 0.43
	pCi/L	0889	3/07/1999	0001	1.21	U #	0.66	± 0.41
Redox Potential	mV	0425	3/04/1999	N001	160	#	-	-
	mV	0426	3/04/1999	N001	159	#	-	-
	mV	0662	3/07/1999	N001	189	#	-	-
	mV	0884	3/04/1999	N001	186	#	-	-
	mV	0886	3/07/1999	N001	208	#	-	-
	mV	0889	3/07/1999	N001	222	#	-	-
	Selenium	mg/L	0425	3/04/1999	0001	0.048	#	-
mg/L		0426	3/04/1999	0001	0.080	#	-	-
mg/L		0662	3/07/1999	0001	0.001	U #	0.001	-
mg/L		0662	3/07/1999	0002	0.001	U #	0.001	-
mg/L		0884	3/04/1999	0001	0.198	#	-	-
mg/L		0886	3/07/1999	0001	2.780	#	-	-
mg/L		0889	3/07/1999	0001	2.440	#	-	-
Sodium	mg/L	0425	3/04/1999	0001	925.000	#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
			DATE	ID		LAB	DATA	QA		
Sodium	mg/L	0426	3/04/1999	0001	1230.000			#	-	-
	mg/L	0662	3/07/1999	0001	861.000			#	-	-
	mg/L	0662	3/07/1999	0002	872.000			#	-	-
	mg/L	0884	3/04/1999	0001	215.000			#	-	-
	mg/L	0886	3/07/1999	0001	10500.000			#	-	-
	mg/L	0889	3/07/1999	0001	9580.000			#	-	-
Specific Conductance	umhos/cm	0425	3/04/1999	N001	6840			#	-	-
	umhos/cm	0426	3/04/1999	N001	6840			#	-	-
	umhos/cm	0662	3/07/1999	N001	3950			#	-	-
	umhos/cm	0884	3/04/1999	N001	3760			#	-	-
	umhos/cm	0886	3/07/1999	N001	32700			#	-	-
	umhos/cm	0889	3/07/1999	N001	30500			#	-	-
Strontium	mg/L	0425	3/04/1999	0001	7.520			#	-	-
	mg/L	0426	3/04/1999	0001	10.100			#	-	-
	mg/L	0662	3/07/1999	0001	11.700			#	-	-
	mg/L	0662	3/07/1999	0002	11.800			#	-	-
	mg/L	0884	3/04/1999	0001	5.280			#	-	-
	mg/L	0886	3/07/1999	0001	10.600			#	-	-
	mg/L	0889	3/07/1999	0001	9.740			#	-	-
Sulfate	mg/L	0425	3/04/1999	0001	3900.000			#	-	-
	mg/L	0426	3/04/1999	0001	3790.000			#	-	-
	mg/L	0662	3/07/1999	0001	2110.000			#	-	-
	mg/L	0662	3/07/1999	0002	2000.000			#	-	-
	mg/L	0884	3/04/1999	0001	2060.000			#	-	-
	mg/L	0886	3/07/1999	0001	23400.000			#	-	-
	mg/L	0889	3/07/1999	0001	21400.000			#	-	-
Temperature	C	0425	3/04/1999	N001	13.4			#	-	-
	C	0426	3/04/1999	N001	12.4			#	-	-
	C	0662	3/07/1999	N001	19.9			#	-	-
	C	0884	3/04/1999	N001	4.7			#	-	-
	C	0886	3/07/1999	N001	10.0			#	-	-
	C	0889	3/07/1999	N001	11.7			#	-	-
Total Dissolved Solids	mg/L	0425	3/04/1999	0001	7440			#	-	-
	mg/L	0426	3/04/1999	0001	6710			#	-	-
	mg/L	0662	3/07/1999	0001	3140			#	-	-
	mg/L	0662	3/07/1999	0002	3170			#	-	-

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE SHP02, SHIPROCK (TAILINGS AREA)
 REPORT DATE: 5/6/1999 2:47 pm

PARAMETER	UNITS	LOCATION ID	SAMPLE:		RESULT	QUALIFIERS:		DETECTION LIMIT	UN-CERTAINTY
			DATE	ID		LAB DATA	QA		
Total Dissolved Solids	mg/L	0884	3/04/1999	0001	3650		#	-	-
	mg/L	0886	3/07/1999	0001	21300		#	-	-
	mg/L	0889	3/07/1999	0001	19500		#	-	-
Turbidity	NTU	0884	3/04/1999	N001	6.10		#	-	-
Uranium	mg/L	0425	3/04/1999	0001	0.361		#	-	-
	mg/L	0426	3/04/1999	0001	0.317		#	-	-
	mg/L	0662	3/07/1999	0001	0.001	U	#	0.001	-
	mg/L	0662	3/07/1999	0002	0.001	U	#	0.001	-
	mg/L	0884	3/04/1999	0001	0.036		#	-	-
	mg/L	0886	3/07/1999	0001	0.193		#	-	-
	mg/L	0889	3/07/1999	0001	0.178		#	-	-

RECORDS: SELECTED FROM USEE800 WHERE site_code='SHP02' AND quality_assurance = TRUE AND (NOT (data_validation_qualifiers LIKE '*R*' OR data_validation_qualifiers LIKE '*X*') OR IsNull(data_validation_qualifiers)) AND DATE_SAMPLED between #2/28/1999# and #3/28/1999#

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: 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.

DATA QUALIFIERS:

- J Estimated value.
- G Possible grout contamination, pH > 9.
- R Unusable result.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- X Location is undefined.

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

Equipment Blank Data for Shiprock (SHP01 and SHP02)

5/4/99

ANALYTE	SITE CODE	LOCATION CODE	DATE	SAMPLE ID	UNIT	RESULT	LAB QUALIFIERS	DATA VALIDATION QUALIFIERS	DETECTION LIMIT	UNCERTAINTY
Ammonia as NH4	SHP01	0999	3/3/1999	0001	mg/L	0.0315	B			
Ammonia as NH4	SHP02	0999	3/3/1999	0001	mg/L	0.0055	B	U		
Ammonia as NH4	SHP02	0999	3/6/1999	0001	mg/L	0.0083	B			
Ammonia as NH4	SHP02	0999	3/7/1999	0001	mg/L	0.0284	B			
Ammonia as NH4	SHP02	0999	3/4/1999	0001	mg/L	0.0018	B	U		
Antimony	SHP01	0999	3/3/1999	0001	mg/L	0.001	U		0.001	
Antimony	SHP02	0999	3/3/1999	0001	mg/L	0.001	U		0.001	
Antimony	SHP02	0999	3/4/1999	0001	mg/L	0.001	U		0.001	
Antimony	SHP02	0999	3/7/1999	0001	mg/L	0.0052				
Antimony	SHP02	0999	3/6/1999	0001	mg/L	0.001	U		0.001	
Arsenic	SHP01	0999	3/3/1999	0001	mg/L	0.001	U		0.001	
Arsenic	SHP02	0999	3/3/1999	0001	mg/L	0.001	U		0.001	
Arsenic	SHP02	0999	3/6/1999	0001	mg/L	0.001	U		0.001	
Arsenic	SHP02	0999	3/7/1999	0001	mg/L	0.001	U		0.001	
Arsenic	SHP02	0999	3/4/1999	0001	mg/L	0.001	U		0.001	
Cadmium	SHP01	0999	3/3/1999	0001	mg/L	0.001	U		0.001	
Cadmium	SHP02	0999	3/3/1999	0001	mg/L	0.001	U		0.001	
Cadmium	SHP02	0999	3/4/1999	0001	mg/L	0.001	U		0.001	
Cadmium	SHP02	0999	3/7/1999	0001	mg/L	0.001	U		0.001	
Cadmium	SHP02	0999	3/6/1999	0001	mg/L	0.001	U		0.001	
Calcium	SHP01	0999	3/3/1999	0001	mg/L	0.683				
Calcium	SHP02	0999	3/3/1999	0001	mg/L	0.136	B			
Calcium	SHP02	0999	3/6/1999	0001	mg/L	0.212	B			
Calcium	SHP02	0999	3/7/1999	0001	mg/L	0.112	B			
Calcium	SHP02	0999	3/4/1999	0001	mg/L	0.0997	B			
Chloride	SHP01	0999	3/3/1999	0001	mg/L	0.431	B			
Chloride	SHP02	0999	3/3/1999	0001	mg/L	0.113	B	U		
Chloride	SHP02	0999	3/4/1999	0001	mg/L	0.0686	B			
Chloride	SHP02	0999	3/7/1999	0001	mg/L	0.0585	B	U		
Chloride	SHP02	0999	3/6/1999	0001	mg/L	0.262	B	U		
Gross Alpha	SHP01	0999	3/3/1999	0001	pCi/L	2.96		J	0.86	0.94
Gross Alpha	SHP02	0999	3/3/1999	0001	pCi/L	0.81	U	J	0.81	0.55
Gross Alpha	SHP02	0999	3/6/1999	0001	pCi/L	1.32	U		1.32	0.7
Gross Alpha	SHP02	0999	3/7/1999	0001	pCi/L	0.82	U	J	0.82	0.44
Gross Alpha	SHP02	0999	3/4/1999	0001	pCi/L	1.32	U		1.32	0.67
Gross Beta	SHP01	0999	3/3/1999	0001	pCi/L	3.43			1.84	1.21
Gross Beta	SHP02	0999	3/3/1999	0001	pCi/L	1.8	U		1.8	1.08
Gross Beta	SHP02	0999	3/6/1999	0001	pCi/L	2.25	U		2.25	1.28

Equipment Blank Data for Shiprock (SHP01 and SHP02)

5/4/99

ANALYTE	SITE_CODE	LOCATION_CODE	DATE	SAMPLE_ID	UNIT	RESULT	LAB_QUALIFIERS	DATA_VALIDATION_QUALIFIERS	DETECTION_LIMIT	UNCERTAINTY
Gross Beta	SHP02	0999	3/7/1999	0001	pCi/L	1.8	U		1.8	1.09
Gross Beta	SHP02	0999	3/4/1999	0001	pCi/L	2.25	U		2.25	1.35
Iron	SHP01	0999	3/3/1999	0001	mg/L	0.0295	B	U		
Iron	SHP02	0999	3/3/1999	0001	mg/L	0.005	U		0.005	
Iron	SHP02	0999	3/4/1999	0001	mg/L	0.005	U		0.005	
Iron	SHP02	0999	3/7/1999	0001	mg/L	0.005	U		0.005	
Iron	SHP02	0999	3/6/1999	0001	mg/L	0.005	U		0.005	
Magnesium	SHP01	0999	3/3/1999	0001	mg/L	0.404				
Magnesium	SHP02	0999	3/3/1999	0001	mg/L	0.0364	B			
Magnesium	SHP02	0999	3/4/1999	0001	mg/L	0.0632	B	U		
Magnesium	SHP02	0999	3/6/1999	0001	mg/L	0.157		U		
Magnesium	SHP02	0999	3/7/1999	0001	mg/L	0.0213	B			
Manganese	SHP01	0999	3/3/1999	0001	mg/L	0.003	B			
Manganese	SHP02	0999	3/3/1999	0001	mg/L	0.0012	B			
Manganese	SHP02	0999	3/4/1999	0001	mg/L	0.001	U		0.001	
Manganese	SHP02	0999	3/7/1999	0001	mg/L	0.0014	B			
Manganese	SHP02	0999	3/6/1999	0001	mg/L	0.001	U		0.001	
Nitrate	SHP01	0999	3/3/1999	0001	mg/L	0.0626	B	U		
Nitrate	SHP02	0999	3/3/1999	0001	mg/L	0.0319	B	U		
Nitrate	SHP02	0999	3/7/1999	0001	mg/L	1.23				
Nitrate	SHP02	0999	3/6/1999	0001	mg/L	0.696	B			
Nitrate	SHP02	0999	3/4/1999	0001	mg/L	0.0253	B	U		
Polonium-210	SHP01	0999	3/3/1999	0001	pCi/L	0.08	U		0.08	0.08
Polonium-210	SHP02	0999	3/3/1999	0001	pCi/L	0.1	U		0.1	0.09
Polonium-210	SHP02	0999	3/7/1999	0001	pCi/L	0.11	U		0.11	0.11
Polonium-210	SHP02	0999	3/4/1999	0001	pCi/L	0.13	U		0.13	-0.11
Polonium-210	SHP02	0999	3/6/1999	0001	pCi/L	0.09	U		0.09	-0.07
Potassium	SHP01	0999	3/3/1999	0001	mg/L	0.049	U		0.049	
Potassium	SHP02	0999	3/3/1999	0001	mg/L	0.049	U		0.049	
Potassium	SHP02	0999	3/4/1999	0001	mg/L	0.049	U		0.049	
Potassium	SHP02	0999	3/7/1999	0001	mg/L	0.049	U		0.049	
Potassium	SHP02	0999	3/6/1999	0001	mg/L	0.049	U		0.049	
Radium-226	SHP01	0999	3/3/1999	0001	pCi/L	0.14	U		0.14	0.08
Radium-226	SHP02	0999	3/3/1999	0001	pCi/L	0.13	U		0.13	0.07
Radium-226	SHP02	0999	3/6/1999	0001	pCi/L	0.11	U		0.11	0.06
Radium-226	SHP02	0999	3/7/1999	0001	pCi/L	0.1	U		0.1	0.06
Radium-226	SHP02	0999	3/4/1999	0001	pCi/L	0.11	U		0.11	0.06
Radium-228	SHP01	0999	3/3/1999	0001	pCi/L	1.45		U	0.73	0.46

Equipment Blank Data for Shiprock (SHP01 and SHP02)

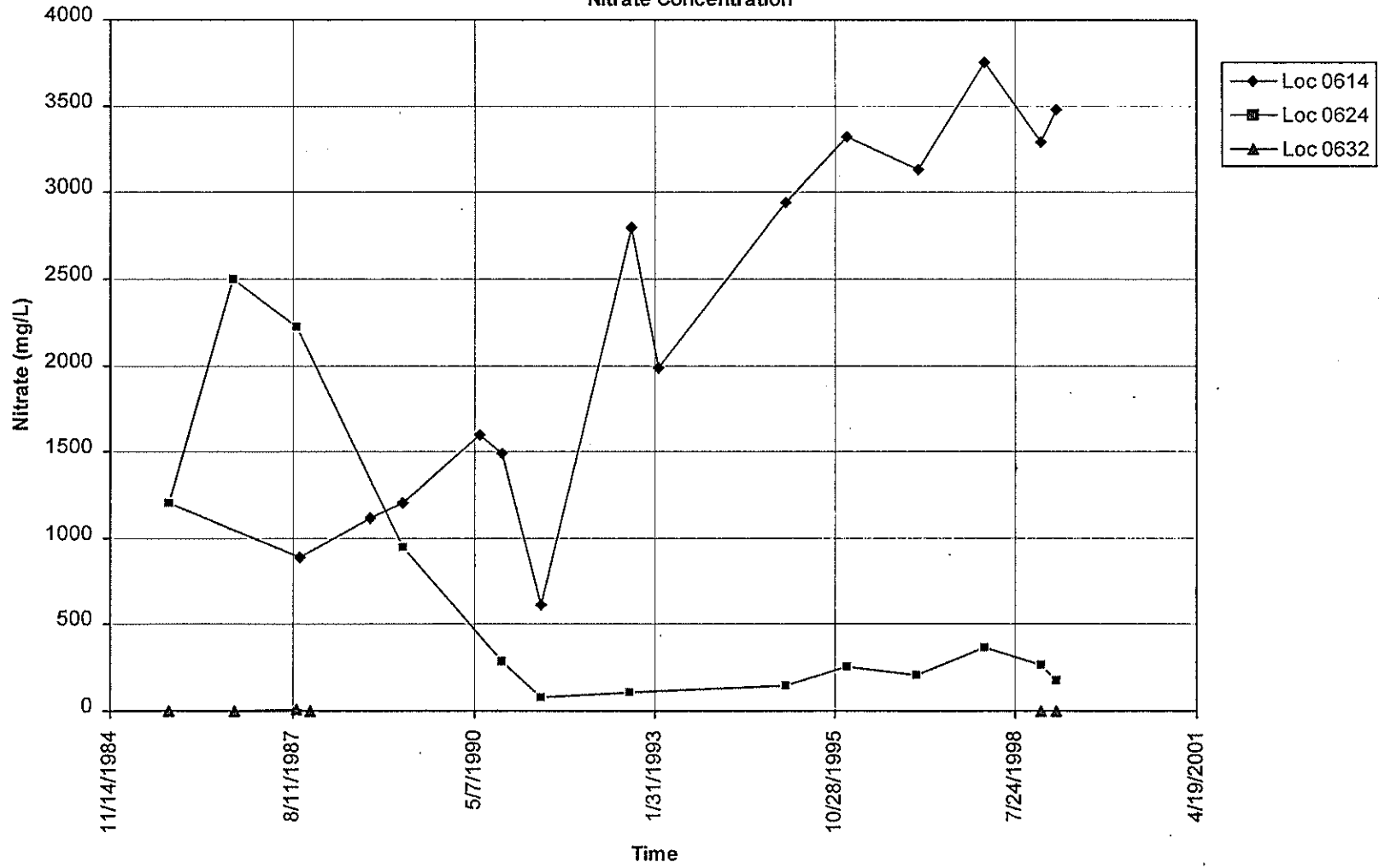
5/4/99

ANALYTE	SITE CODE	LOCATION CODE	DATE	SAMPLE ID	UNIT	RESULT	LAB QUALIFIERS	DATA_VALIDATION_QUALIFIERS	DETECTION_LIMIT	UNCERTAINTY
Radium-228	SHP02	0999	3/3/1999	0001	pCi/L	0.76	U	U	0.76	0.46
Radium-228	SHP02	0999	3/6/1999	0001	pCi/L	0.83			0.63	0.38
Radium-228	SHP02	0999	3/7/1999	0001	pCi/L	0.57	U	U	0.57	0.34
Radium-228	SHP02	0999	3/4/1999	0001	pCi/L	0.64	U		0.64	0.38
Selenium	SHP01	0999	3/3/1999	0001	mg/L	0.001	U		0.001	
Selenium	SHP02	0999	3/3/1999	0001	mg/L	0.001	U		0.001	
Selenium	SHP02	0999	3/4/1999	0001	mg/L	0.001	U		0.001	
Selenium	SHP02	0999	3/7/1999	0001	mg/L	0.001	U		0.001	
Selenium	SHP02	0999	3/6/1999	0001	mg/L	0.001	U		0.001	
Sodium	SHP01	0999	3/3/1999	0001	mg/L	1.38				
Sodium	SHP02	0999	3/3/1999	0001	mg/L	0.833	U		0.833	
Sodium	SHP02	0999	3/4/1999	0001	mg/L	0.833	U		0.833	
Sodium	SHP02	0999	3/7/1999	0001	mg/L	0.833	U		0.833	
Sodium	SHP02	0999	3/6/1999	0001	mg/L	0.833	U		0.833	
Strontium	SHP01	0999	3/3/1999	0001	mg/L	0.0043	B			
Strontium	SHP02	0999	3/3/1999	0001	mg/L	0.001	U		0.001	
Strontium	SHP02	0999	3/6/1999	0001	mg/L	0.0017	B			
Strontium	SHP02	0999	3/7/1999	0001	mg/L	0.001	U		0.001	
Strontium	SHP02	0999	3/4/1999	0001	mg/L	0.001	U		0.001	
Sulfate	SHP01	0999	3/3/1999	0001	mg/L	1.63				
Sulfate	SHP02	0999	3/3/1999	0001	mg/L	0.113	B	U		
Sulfate	SHP02	0999	3/6/1999	0001	mg/L	0.431	B	U		
Sulfate	SHP02	0999	3/7/1999	0001	mg/L	0.516	B	U		
Sulfate	SHP02	0999	3/4/1999	0001	mg/L	0.128	B	U		
Total Dissolved So	SHP01	0999	3/3/1999	0001	mg/L	57				
Total Dissolved So	SHP02	0999	3/3/1999	0001	mg/L	20	U		20	
Total Dissolved So	SHP02	0999	3/6/1999	0001	mg/L	20	U		20	
Total Dissolved So	SHP02	0999	3/7/1999	0001	mg/L	20	U		20	
Total Dissolved So	SHP02	0999	3/4/1999	0001	mg/L	20	U		20	
Uranium	SHP01	0999	3/3/1999	0001	mg/L	0.0014				
Uranium	SHP02	0999	3/3/1999	0001	mg/L	0.001	U		0.001	
Uranium	SHP02	0999	3/4/1999	0001	mg/L	0.001	U		0.001	
Uranium	SHP02	0999	3/7/1999	0001	mg/L	0.001	U		0.001	
Uranium	SHP02	0999	3/6/1999	0001	mg/L	0.001				

TIME/CONCENTRATION PLOTS

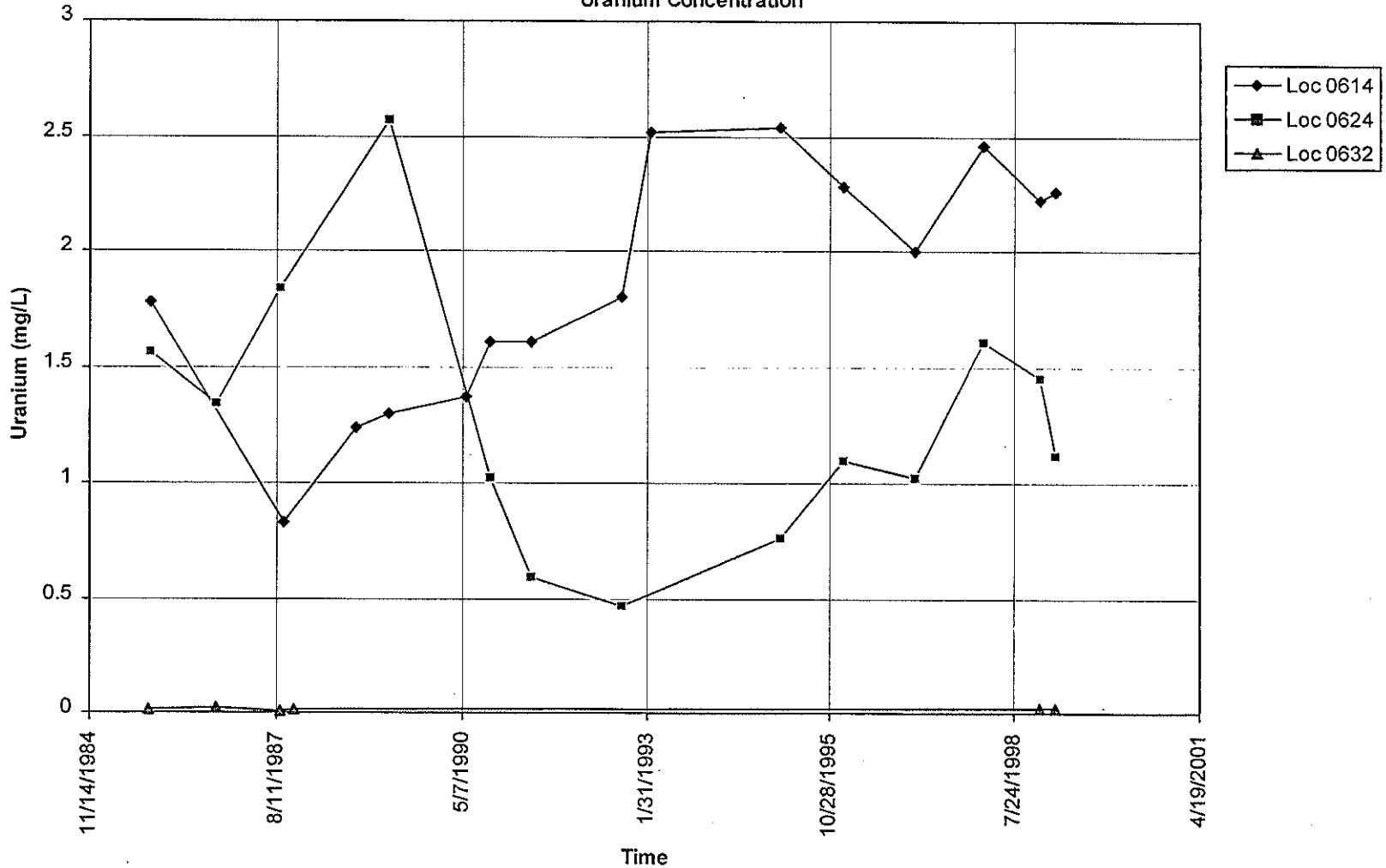
SHIPROCK (SHP01)

Nitrate Concentration

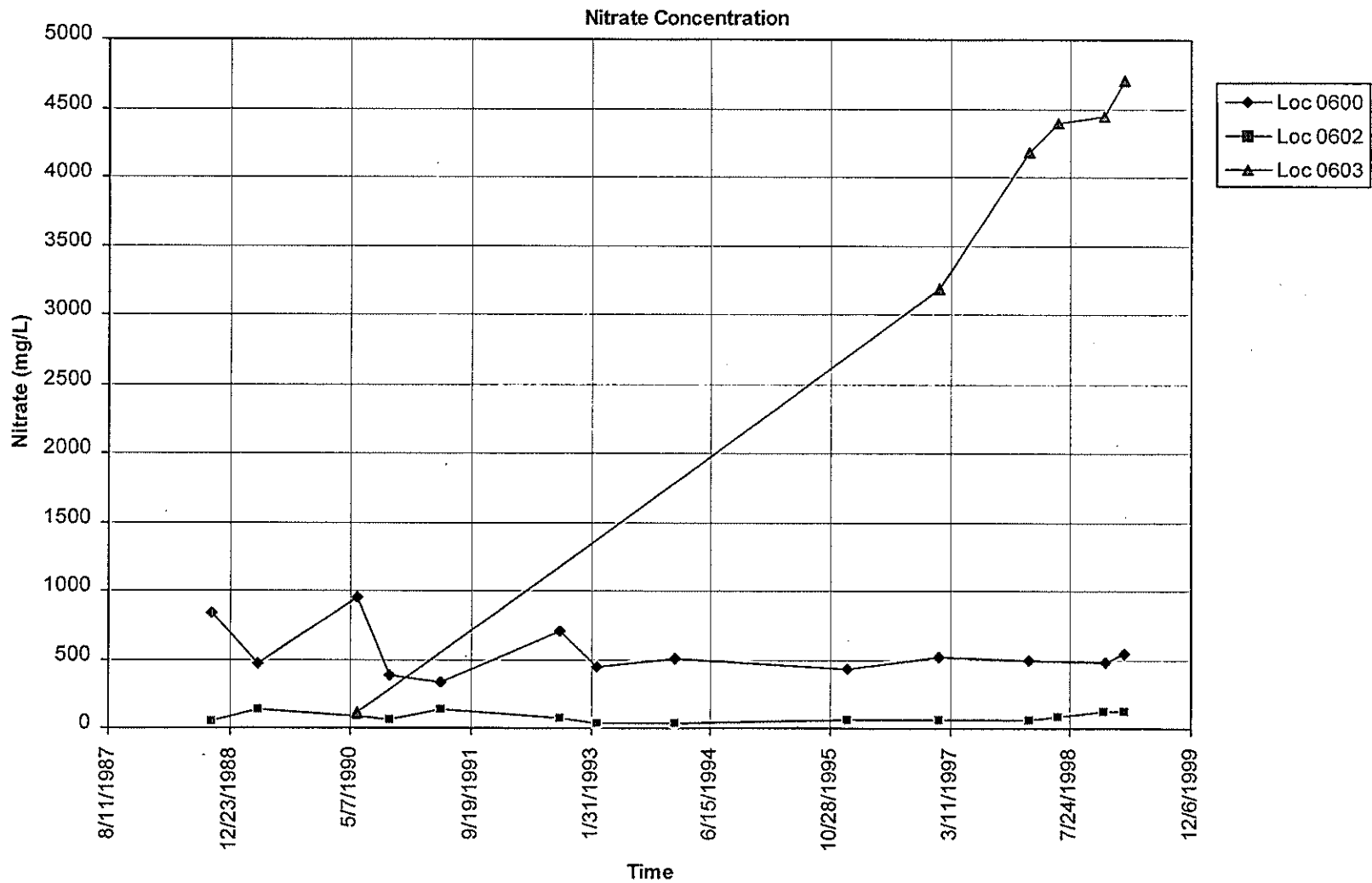


SHIPROCK (SHP01)

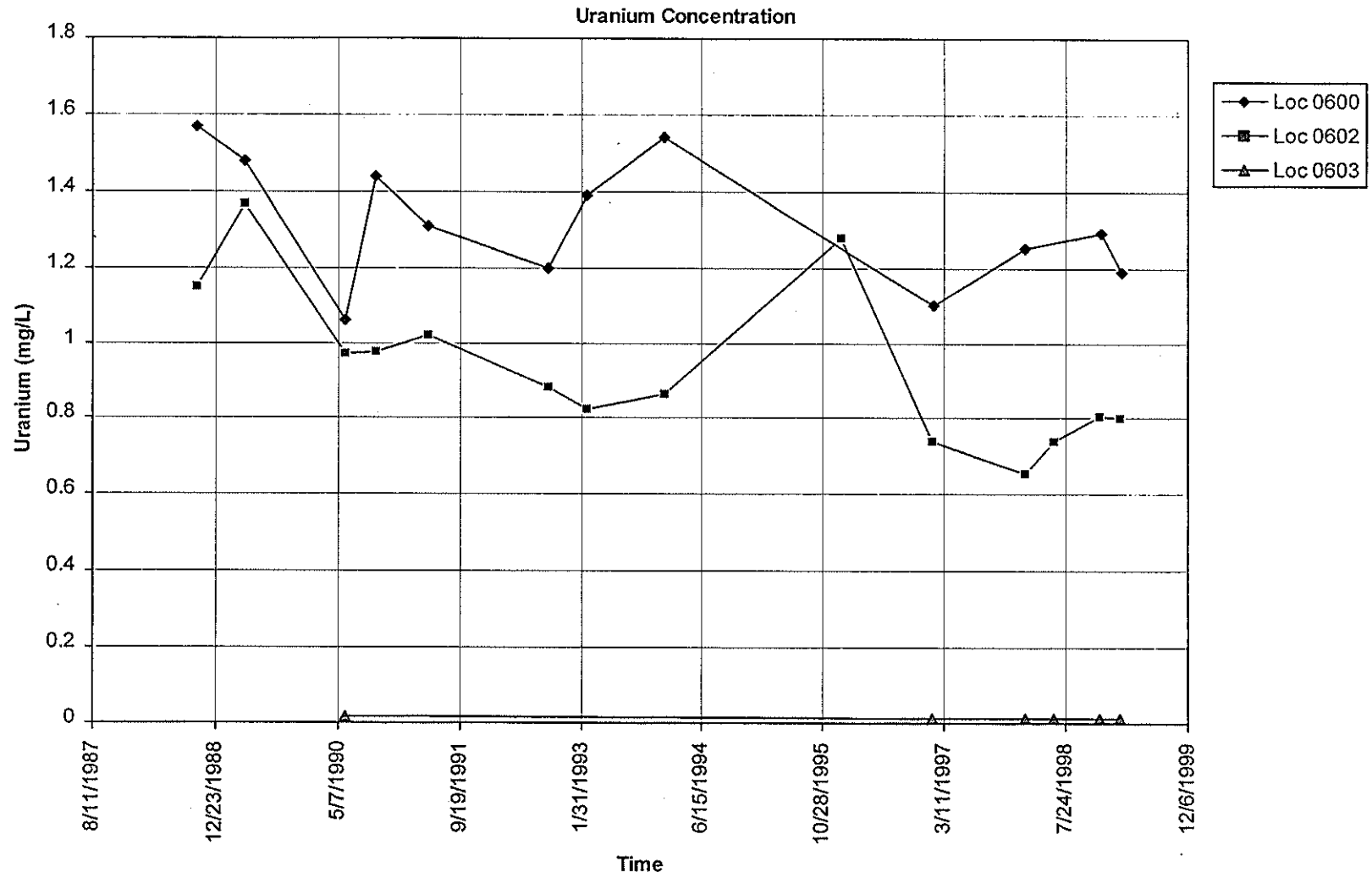
Uranium Concentration



SHIPROCK (TAILINGS AREA) (SHP02)



SHIPROCK (TAILINGS AREA) (SHP02)



WATER LEVELS

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 1:59 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)
			DATE	TIME		
0608	D	4893.26	03/03/1999	17:38	5.78	4887.48
0610	D	4895.65	03/03/1999	16:36	9.05	4886.60
0611	D	4895.56	03/07/1999	14:43	9.04	4886.52
0612	D	4893.14	03/06/1999	15:40	6.62	4886.52
0613	D	4893.07	03/07/1999	14:39	7.04	4886.03
0614	D	4892.65	03/03/1999	15:58	6.68	4885.97
0615	D	4892.11	03/03/1999	14:13	6.85	4885.26
0616	D	4891.83	03/07/1999	11:08	7.25	4884.58
0617	D	4891.93	03/03/1999	11:27	7.02	4884.91
0618	D	4891.48	03/07/1999	12:06	6.37	4885.11
0619	D	4892.20	03/03/1999	10:46	7.40	4884.80
0620	D	4889.77	03/07/1999	15:20	4.03	4885.74
0621	D	4890.22	03/07/1999	15:09	4.61	4885.61
0622	D	4890.11	03/07/1999	15:11	4.47	4885.64
0623	D	4891.33	03/07/1999	15:50	6.22	4885.11
0624	D	4891.65	03/03/1999	09:55	6.48	4885.17
		4891.65	03/07/1999	15:50	6.33	4885.32
0625	D	4891.41	03/07/1999	15:52	6.09	4885.32
0626	D	4890.49	03/03/1999	08:50	5.94	4884.55
0627	D	4889.41	03/02/1999	12:50	1.59	4887.82
0628	D	4889.88	03/04/1999	08:55	4.28	4885.60
0629	D	4887.42	03/02/1999	12:59	3.84	4883.58
0630	D	4887.64	03/02/1999	13:46	1.64	4886.00
0631	D	4888.31	03/05/1999	10:43	9.50	4878.81
0632	D	4890.21	03/05/1999	11:48	9.57	4880.64
0732	N	4897.32	03/05/1999	16:57	7.45	4889.87
0733	N	4889.43	03/05/1999	15:49	8.28	4881.15
0734	N	4886.74	03/02/1999	16:08	6.10	4880.64
0735	N	4895.74	03/06/1999	13:29	6.30	4889.44

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP01, SHIPROCK
 REPORT DATE: 5/5/1999 1:59 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)
			DATE	TIME		
0736	N	4887.97	03/02/1999	16:15	6.02	4881.95
0850	N	4907.51	03/02/1999	10:25	7.61	4899.90
0851	N	4906.45	03/02/1999	11:46	6.57	4899.88
0852	N	4907.37	03/02/1999	12:24	7.50	4899.87
0853	N	4891.41	03/03/1999	15:17	6.18	4885.23
0854	N	4890.75	03/02/1999	17:28	7.77	4882.98
0855	N	4888.18	03/08/1999	09:09	5.24	4882.94
0856	N	4887.57	03/02/1999	15:16	6.45	4881.12
0857	N	4894.02	03/03/1999	13:25	9.75	4884.27
0858	N	4893.50	03/07/1999	14:48	6.83	4886.67
0859	N	4893.68	03/07/1999	14:47	7.03	4886.65
0860	N	4892.28	03/07/1999	10:10	86.72	4805.56
0861	N	4891.32	03/07/1999			-
0862	N	4893.83	03/07/1999	08:56	92.51	4801.32
0863	N	4893.00	03/07/1999	09:03	98.55	4794.45

RECORDS: SELECTED FROM USEE700 WHERE site_code='SHP01' AND LOG_DATE between #3/1/1999#
 and #3/30/1999#

FLOW CODES:

D DOWN GRADIENT

N UNKNOWN

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP02, SHIPROCK (TAILING
 REPORT DATE: 5/5/1999 1:59 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)
			DATE	TIME		
0600	O	4955.78	03/08/1999	15:36	33.02	4922.76
0602	O	4956.89	03/04/1999	11:45	19.08	4937.81
0603	N	4978.05	03/04/1999	16:01	29.88	4948.17
0604	N	4995.38	03/06/1999	16:57	51.45	4943.93
0725	N	4908.57	03/07/1999	13:15	13.37	4895.20
0726	N	4939.87	03/07/1999	14:35	24.97	4914.90
0727	N	4940.42	03/09/1999	09:39	6.71	4933.71
0728	N	4964.03	03/04/1999	17:54	23.75	4940.28
0730	N	4979.26	03/06/1999	10:52	37.46	4941.80
0731	N	4971.48	03/05/1999	14:42	23.72	4947.76
0800	N	4995.76	03/08/1999			-
0801	N	4995.29	03/08/1999			-
0802	N	4996.01	03/08/1999			-
0803	N	4994.40	03/08/1999			-
0804	N	4936.93	03/08/1999			-
0805	N	4953.14	03/08/1999			-
0810	N	5049.58	03/08/1999			-
0812	N	5004.98	03/03/1999	17:20	61.04	4943.94
0813	N	4984.37	03/04/1999	17:01	43.00	4941.37
0814	N	4968.12	03/05/1999	08:26	30.77	4937.35
0815	N	4953.67	03/06/1999	11:55	25.42	4928.25
0816	N	4937.92	03/09/1999	10:45	24.30	4913.62
0817	N	4957.34	03/02/1999	10:10	18.35	4938.99
0818	N	4998.25	03/02/1999	10:30	53.93	4944.32
0819	N	4955.76	03/04/1999	13:21	19.05	4936.71
0820	N	4954.95	03/05/1999	16:26	145.10	4809.85
0821	N	4955.46	03/08/1999			-
0822	N	4954.42	03/08/1999			-
0823	N	4957.65	03/05/1999			-

STATIC GROUND WATER LEVELS (USEE700) FOR SITE SHP02, SHIPROCK (TAILING
 REPORT DATE: 5/5/1999 1:59 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT NGVD)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	GROUND WATER ELEVATION (FT NGVD)
			DATE	TIME		
0824	N	4958.21	03/05/1999	15:26	166.34	4791.87
0825	N	4958.68	03/05/1999			-
0826	N	4950.73	03/04/1999	13:45	16.76	4933.97
0827	N	4946.92	03/06/1999	15:27	25.11	4921.81
0828	N	4949.34	03/04/1999	14:57	13.70	4935.64
0829	N	4941.94	03/06/1999		51.45	4890.49
0830	N	4960.77	03/05/1999	10:30	9.90	4950.87
0832	N	4964.65	03/04/1999	14:54	26.87	4937.78
0833	N	4940.52	03/03/1999	13:50	26.50	4914.02
0835	N	4930.48	03/03/1999	09:08	17.32	4913.16
0836	N	4901.74	03/03/1999	15:59	21.85	4879.89
0837	N	4889.54	03/04/1999	12:20	13.99	4875.55
0838	N	4937.70	03/03/1999	12:27	23.77	4913.93
0839	N	4943.21	03/06/1999	10:47	24.57	4918.64
0841	N	4984.05	03/04/1999	16:50	44.42	4939.63
0843	N	4883.56	03/04/1999	09:12	10.52	4873.04
0844	N	4948.46	03/03/1999	10:27	30.12	4918.34
0845	N	4969.20	03/03/1999	14:21	31.53	4937.67
0846	N	4934.57	03/03/1999	15:01	23.00	4911.57
0847	N	4924.35	03/08/1999	14:00	13.20	4911.15
0848	N	4949.91	03/08/1999	11:11	36.47	4913.44
DM7	O	-	03/02/1999	10:20	50.54	-50.54

RECORDS: SELECTED FROM USEE700 WHERE site_code='SHP02' AND LOG_DATE between #3/1/1999#
 and #3/30/1999#

FLOW CODES:

N UNKNOWN

O ON-SITE

TRIP REPORT/WORK ORDER



CONTRACT NO.: DE-AC13-96GJ87335
 TASK ORDER NO.: MAC99-05
 CONTROL NO.: 3100-N/A

MEMO TO: Sam Marutzky
 FROM: Dan Sellers *l. j. sellers*
 DATE: March 22, 1999
 SUBJECT: UMTRA Ground Water Trip Report

Site: Shiprock

Dates of Sampling Event: March 1 through March 9, 1999

Team Members: Dave Traub, Dave Miller, Paul Wetherstein, and Dan Sellers. Dr. Phil Long and his associates from the Pacific Northwest Laboratory were on site collecting water samples at both well and surface sample locations for the Natural and Accelerated Bioremediation (NABIR) Program. The sample locations are listed in the table below:

Floodplain Wells	Terrace Wells	Mancos Shale Flow Path Wells/Seeps
608	602	425
610	603	426
614	728	
615	813	
617	819	
619	826	
624	828	
626	830	
628		
630		
736		
853		
854		
856		
857		

Number of Locations Sampled: 104 locations were scheduled for sampling during this event. This included wells, surface locations, and seeps. Several of the wells and surface locations were dry. Table 1 lists the locations and analytes requested for each location, which also includes all the field variances (if any) and other comments. A total of 87 locations out of the requested 104 were sampled. An additional set of surface water samples were collected three feet from the bank along the river at the following locations (also see Quality Control Sample Cross Reference table below): 553, 893, 895, 896, and 897.

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Samples were requested at the following locations for organic analyses: 819, 823, 826, 827, 828, 829 and 830. All the samples were collected at these locations except for 823, which had insufficient water. Location 824, located next to 823, was sampled instead.

Locations Not Sampled: See Table 1.

Location Specific Information: See Table 1. Several locations could not be sampled for the entire analyte list as the wells went dry or had very poor recovery.

Quality Control Sample Cross Reference:

False Location ID	True Location Number	Ticket Number	Sample Type
Well 200	844	NDF 435	Duplicate
Well 202	837	NDF 445	Duplicate
Well 204	632	NDF 580	Duplicate
Well 300	626	NDF 549	Duplicate
Well 303	662	NDF 306	Duplicate SURFACE
Well 201	838	NDF 437	EB
Well 203	814	NDF 450	EB
Well 301	857	NDF 279	EB
Well 302	839	NDF 297	EB
Well 304	886	NDF 310	EB SURFACE
205	553	NDF 587	USFW sample @553 loc. SURFACE
206	895	NDF 594	USFW sample @895 loc. SURFACE
207	896	NDF 595	USFW sample @ 896 loc. SURFACE
208	897	NDF 600	USFW sample @897 loc. SURFACE
209	893	NDF 601	USFW sample @893 loc. SURFACE

Requisition Numbers: The requisition number for all samples is 16472. Several samples were transported to the laboratory on March 6 in order to meet holding times for TDS. The remainder of the samples were delivered to sample receiving on March 10.

Water Level Measurements: Water level measurements were completed on all wells scheduled for sampling and others requested (see field data sheets Books 1, 2, and 3).

Well Inspection Summary: Well inspections were made on all wells scheduled for sampling.

Equipment: None

Regulatory Issues: None

Site Issues: None

SURFACE LOCATIONS

Surface Location Number	Ticket Number	Sample Analytes								Comments/Notes
		M e t a l s	Ra- 226- Ra- 228	Gross alpha	PO - 210	A n i o n s	NO3/ NH4	T D S	V O C s	
1	425	NDF 288	X	X	X	X	X	X	X	
2	426	NDF 287	X	X	X	X	X	X	X	
3	546	NDF 590	X	X	X	X	X	X	X	SURFACE
4	548	NDF 589	X	X	X	X	X	X	X	SURFACE
5	553	NDF 586	X	X	X	X	X	X	X	SURFACE
6	555	NDF 584	X	X	X	X	X	X	X	
7	655	NDF 432	X	X	X	X	X	X	X	
8	658	NDF 318	X	X	X	X	X	X	X	
9	662	NDF 305	X	X	X	X	X	X	X	QC SURFACE
10	884	NDF 442	X	X	X	X	X	X	X	
11	886	NDF 309	X	X	X	X	X	X	X	
12	887	NDF 443	X	X	X	X	X	X	X	
13	888	NDF 581	X	X	X	X	X	X	X	
14	889	NDF 308	X	X	X	X	X	X	X	
15	893	NDF 599	X	X	X	X	X	X	X	SURFACE
16	894	NDF 431	X	X	X	X	X	X	X	
17	895	NDF 593	X	X	X	X	X	X	X	SURFACE
18	896	NDF 596	X	X	X	X	X	X	X	SURFACE QC
19	897	NDF 597	X	X	X	X	X	X	X	SURFACE
20	898	NDF 429	X	X	X	X	X	X	X	
SURFACE LOCATIONS NOT SAMPLED										
1	656									DRY
2	657									DRY
3	885									DRY
4	556	Same as 895 surface location								

DS/lcg

Distribution:

- cc: R. Bowen
 C. Goodknight
 D. Metzler
 K. Miller
 Project Record File GWSHP 14.12 thru P. Taylor

CONTRACT NO.: DE-AC13-96GJ87335
 TASK ORDER NO.: MAC99-05
 CONTROL NO.: 3100-T99-0434

February 1, 1999

Project Manager
 Department of Energy
 Grand Junction Office
 2597 B3/4 Road
 Grand Junction, CO 81503
 ATTN: Donald Metzler

SUBJECT: Contract No. DE-AC13-96GJ87335—March 1999 UMTRA Ground Water Sampling at Shiprock, New Mexico

Dear Mr. Metzler:

Attached are the map and tables specifying the sampling locations and analytes for routine monitoring at the Shiprock, New Mexico, UMTRA site. Water quality data will be collected from monitor wells at this site as part of the routine UMTRA ground water sampling which is scheduled to begin March 1, 1999.

The following lists show the Ground Water Project well locations (with the associated zone of completion) and surface water locations that will be sampled during this sampling event.

Ground Water Project Monitor Wells (filtered)*

SHP01

603 Km	616 Al	626 Al	732 Al/Km	850 Al	854 Al	860 Km
610 Al	617 Al	628 Al	733 Al	851 Al	855 Al	861 Km
612 Al	619 Al	630 Al	734 Al	852 Al	856 Al	862 Km
614 Al	620 Al	631 Al	735 Al	853 Al	857 Al	863 Km
615 Al	624 Al	632 Al	736 Al			

SHP02

600 Km	728 Al/Km	804 Km	816 Al/Km	825 Km	832 Al/Km	839 Al/Km
602 Km	730 Al/Km	805 Km	819 Al/Km	826 Al/Km	833 Al	841 Al
603 Al/Km	731 Al/Km	810 Km	820 Km	827 Al/Km	835 Al	843 Al
604 Km	800 Km	812 Al/Km	821 Km	828 Al/Km	836 Al	844 Al/Km
725 Al/Km	801 Km	813 Al/Km	822 Km	829 Km	837 Al	845 Al
726 Km	802 Km	814 Al/Km	823 Km	830 Km	838 Al	846 Al/Km
727 Km	803 Km	815 Al/Km	824 Km			

*NOTE: Al = Alluvium; Km = Mancos Shale

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Surface Water (filtered)

SHP01

425	548	556	657	887	894	897
426	553	655	658	888	895	898
546	555	656	884	893	896	

SHP02

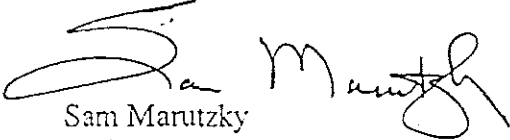
662	885	886	889			
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The Navajo Nation has requested analyzing for organic contaminants at wells 819, 823, and an additional well near the southern edge of the cell. In addition to the two wells requested, organic analyses will be performed on the following wells: 826, 827, 828, and 829.

QA/QC samples will be collected as directed in the *Sampling and Analysis Plan for the UMTRA Ground Water Project*. Samples collected for alkalinity will be filtered and unfiltered. Water level information will be collected from the sampled wells only. Monitor well inspections will be conducted and documented to confirm the status of all sampled wells. Access agreements are being reviewed and are expected to be completed by the beginning of fieldwork.

If you have any questions, please call me at extension 6059 or Dave Miller at extension 6652.

Sincerely,



Sam Marutzky
Project Manager

SM/lcg/ld
Attachments

cc w/o att: C. Bahrke
R. Bowen
D. E. Miller
K. E. Miller
D. G. Traub
Contract File (C. Spor)

cc w/att: C. Goodknight
R. Chessmore

FILE BWSHP 14.6

**Sampling Frequencies for Locations at
Shiprock, New Mexico**

Location	Quarterly	Tri-annually	Annually	Biennially	Not Sampled	Notes
<i>Ground Water Project Monitor Wells</i>						
SHP01						
608		X				
610		X				
612		X				Obstruction at 6.8'
614		X				
615		X				
616		X				DATA LOGGER
617		X				DATA LOGGER
619		X				
620		X				
624		X				
626		X				
628		X				
630		X				
631		X				North of river
632		X				North of river
732		X				
733		X				
734		X				
735		X				
736		X				
850		X				
851		X				
852		X				
853		X				
854		X				
855		X				
856		X				
857		X				
860		X				
861		X				
862		X				
863		X				
SHP02						
600		X				
602		X				DATA LOGGER
603		X				
604		X				Develop before sampling
725		X				
726		X				
727		X				
728		X				
730		X				
731		X				
800		X				
801		X				No water
802		X				

**Sampling Frequencies for Locations at
Shiprock, New Mexico**

Location	Quarterly	Tri-annually	Annually	Biennially	Not Sampled	Notes
SHP02						
803		X				No water
804		X				
805		X				
810		X				
812		X				
813		X				
814		X				
815		X				
816		X				
819		X				
820		X				
821		X				
822		X				
823		X				
824		X				
825		X				
826		X				
827		X				
828		X				
829		X				
830		X				
832		X				
833		X				
835		X				
836		X				
837		X				
838		X				
839		X				
841		X				
843		X				
844		X				
845		X				
846		X				
Surface Water/Sediment Locations						
SHP01						
425		X				
426		X				
546		X				
548		X				
549					X	Per C. Goodknight 1/30/99
551					X	Per C. Goodknight 1/30/99
553		X				
555		X				
556		X				
655		X				
656		X				
657		X				
658		X				
884						
887						

**Sampling Frequencies for Locations at
Shiprock, New Mexico**

Location	Quarterly	Tri-annually	Annually	Biennially	Not Sampled	Notes
887		X				
SHP01						
888		X				
893		X				
894		X				
895		X				
896		X				
897		X				
898		X				
SHP02						
662		X				
885		X				
886		X				
889		X				

**Constituent Sampling Breakdown
For Individual UMTRA Sites**

Site	Shiprock	
	Ground Water	Surface Water
Analyte		
Approx. No. Samples/yr	149	51
<i>Field Measurements</i>	<i>GW</i>	<i>GW</i>
Alkalinity	X	X
Dissolved Oxygen	X	X
Redox Potential	X	X
pH	X	X
Specific Conductance	X	X
Turbidity	X	
Temperature	X	X
<i>Laboratory Measurements</i>	<i>GW</i>	<i>GW</i>
Aluminum		
Ammonium	X	X
Antimony	X	X
Arsenic	X	X
Barium		
Beryllium		
Bromide		
Cadmium	X	X
Calcium	X	X
Chloride	X	X
Chromium		
Cobalt		
Copper		
Fluoride		
Gamma Spec		
Gross Alpha	X	X
Gross Beta		
Iron	X	X
Lead		
Lead-210		
Magnesium	X	X
Manganese	X	X
Molybdenum		

Constituent Sampling Breakdown For Individual UMTRA Sites

Site	Shiprock	
	Ground Water	Surface Water
<i>Laboratory Measurements (Continued)</i>	<i>GW</i>	<i>GW</i>
Nickel		
Nickel-63		
Nitrate	X	X
Organics	819, 823, 826, 827, 828, 829	
PCBs		
Phosphate		
Polonium-210	X	X
Potassium	X	X
Radium-226	X	X
Radium-228	X	X
Selenium	X	X
Silica		
Sodium	X	X
Strontium	X	X
Sulfate	X	X
Sulfide		
Thallium		
Thorium-230		
Tin		
Total Dissolved Solids	X	X
Total Organic Carbon		
Tritium		
Uranium	X	X
Vanadium		
Zinc		
Total Analytes	21	21

Note: All samples are considered filtered unless stated otherwise. All private well samples are to be unfiltered. The total number of analytes does not include field parameters. The left number represents Ground Water Project samples and the right number represents LTSM Project samples