



WESTERN NUCLEAR, INC.

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February 23, 2005

Gary S. Janosko
Fuel Cycle Facilities Branch
Division of Fuel Cycle Safety and Safeguards
Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20850

**Re: Groundwater and Surface Water Monitoring Results for Third and Fourth Quarters, 2004,
Docket No. 1162, License Condition Nos. 24 and 74, SUA-56**

Dear Mr. Janosko:

Enclosed are three (3) copies of the Western Nuclear, Inc. (WNI) Split Rock Site Groundwater and Surface Water Monitoring Results for the Third and Fourth Quarters, 2004. This report provides the laboratory results for the Split Rock Site water quality compliance monitoring program (LC No. 24) and the groundwater corrective action program (CAP) monitoring program (LC No. 74).

Monitoring Data

Included in this report are:

- A map illustrating the groundwater monitoring locations
- A table cross referencing historical well names with current well names
- Tabular summaries of current reporting period numerical data for both compliance and CAP monitoring programs
- Graphs showing the entire monitoring history for each well for several key constituents (field pH, Total Dissolved Solids [TDS], sulfate [SO₄] and uranium [U_{nat}])
- Laboratory data sheets for the reporting period

This report only summarizes data from the most current monitoring period. The historical data is available in semi-annual reports prior to the semi-annual report for the First and Second Quarter, 2000.

The data contained in this report reflect the requirements of the current license (Amendment 92, 9/20/00). As requested on May 14, 1997 by Inspector Mr. Bob Evans (NRC – Arlington, Texas), only copies of the laboratory data sheets are provided to the Arlington office.

The groundwater monitoring data are consistent with previous monitoring results and with the data enclosed in the Site Groundwater Characterization and Evaluation report submitted to your office on October 31, 1999 as part of WNI's comprehensive Site Closure Plan. The characterization and evaluation

Gary S. Janosko
February 23, 2005
Page 2 of 2

report proposed an alternative for long-term protection of public health and safety and of the environment from potential risks related to groundwater impacted by byproduct material. The proposed alternative, which is currently under review by NRC, will replace the existing CAP and will provide the requisite reasonable assurance that protective conditions will be maintained at the Site. WNI looks forward to NRC's approval of the proposed alternative.

Should you have any questions, please contact us at your earliest convenience.

Sincerely,

L. J. Corte by Lm

Lawrence J. Corte
President

cc: Jeffrey City File (w/ attachments)
Brad DeWaard (w/ attachments)
NRC – Arlington (attachments only)

SPLIT ROCK MILLSITE
GROUNDWATER &
SURFACE WATER
MONITORING RESULTS

WATER QUALITY
REPORT

3rd & 4th QUARTER 2004

TABLE OF CONTENTS

	<u>PAGE</u>
TABLE OF CONTENTS	i
MONITORING WELL LOCATION MAP	A1
CROSS REFERENCE TABLE OF WELL DESIGNATIONS	A2
QUARTERLY AND SEMI-ANNUAL GROUNDWATER AND SURFACE WATER COMPLIANCE MONITORING RESULTS, SECOND HALF OF YEAR 2004	A3
GROUNDWATER CORRECTIVE ACTION PROGRAM QUARTERLY AND SEMI-ANNUAL MONITORING RESULTS, SECOND HALF OF YEAR 2004	A9
WNI SPLIT ROCK MILL GROUNDWATER MAXIMUM CAP WATER QUALITY MONITORING PARAMETER VALUES FOR 1/1/90 – 12/31/96	A11

GRAPHS

DRINKING WATER
WELL #27 NEW MILL DRINKING WATER

SURFACE WATER
SWEETWATER RIVER BELOW MILL (S-5/WN-SWR-BE)
SWEETWATER RIVER ACROSS FROM MILL (S-6/WN-SWR-AC)
SWEETWATER RIVER ABOVE MILL (S-7/WN-SWR-AB)

GROUND WATER
WELL #1
WELL #2 MILL PROCESS WATER
WELL #3
WELL #4E
WELL #4R
WELL #5
WELL #5E

GROUND WATER CONTINUED

WELL #7
WELL-15 265' BACKGROUND WELL
WELL-16 60'
WELL-17 55'
WELL-18 85'
WELL-19 50'
WELL-21 55'
WELL-23 65'
WELL-24 65'
WELL-25 160'
WELL-26 95'
WELL #28
WELL #30
WELL #31
WN-A 175'
WN-B 185'
WN-C 160'

LABORATORY DATA ANALYSIS REPORTS

DRINKING WATER

WELL #27 NEW MILL DRINKING WATER

SURFACE WATER

SWEETWATER RIVER BELOW MILL (S-5/WN-SWR-BE)

SWEETWATER RIVER ACROSS FROM MILL (S-6/WN-SWR-AC)

SWEETWATER RIVER ABOVE MILL (S-7/WN-SWR-AB)

GROUND WATER

WELL #1

WELL #2 MILL PROCESS WATER

WELL #3

WELL #4E

WELL #4R

WELL #5

WELL #5E

WELL #5R

WELL #5S

WELL #7

GROUND WATER CONTINUED

WN-15 265' BACKGROUND WELL

WN-16 60'

WN-17 55'

WN-18 85'

WN-19 50'

WN-21 55'

WN-23 65'

WN-24 65'

WN-26 95'

WN-28

WN-28S

WN-30

WN-31

WN-A 175'

WN-C 160'

FIELD BLANK

3rd AND 4th QTR 2004 LAB QA

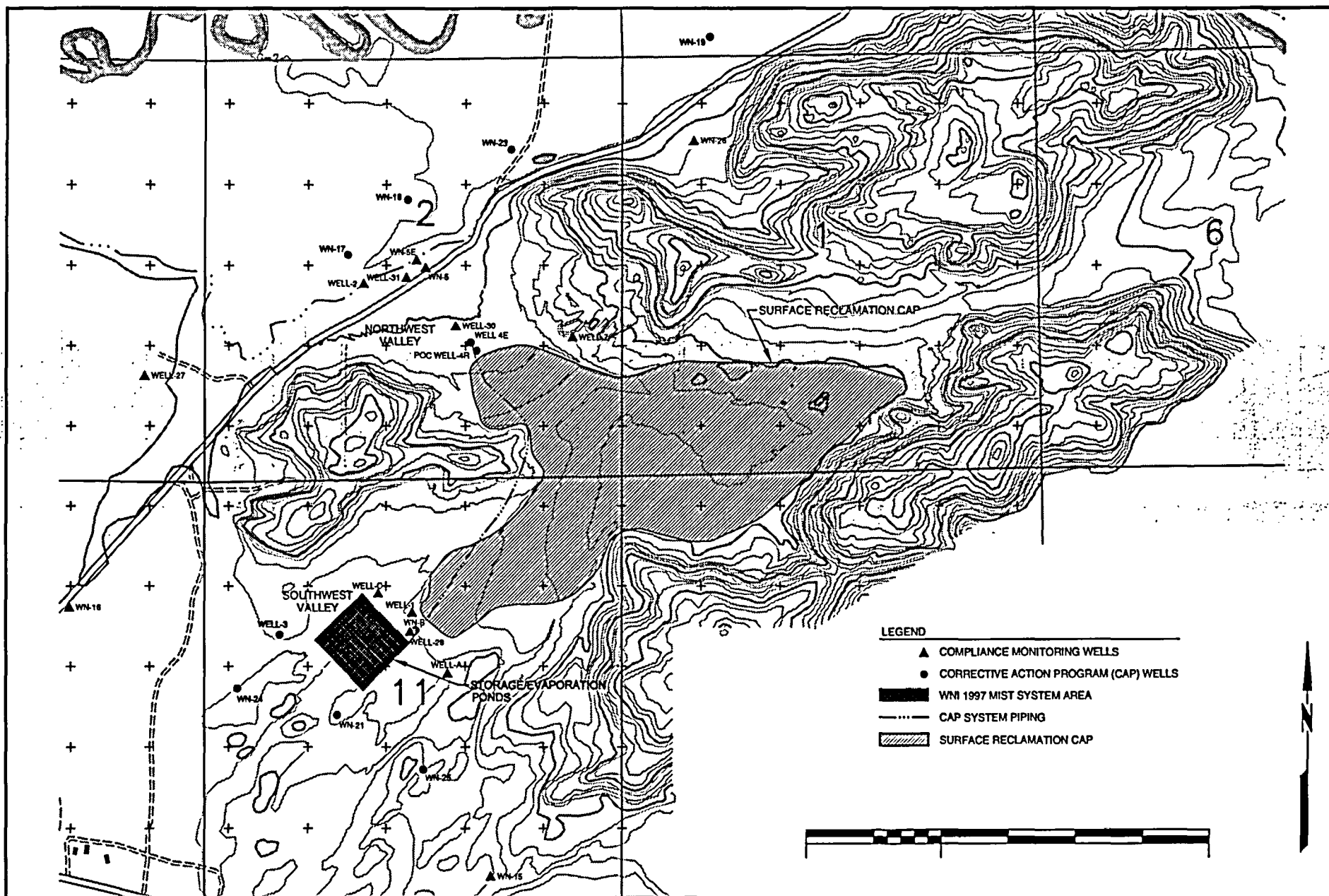


FIGURE 1
MONITORING WELL LOCATIONS AND OPERATIONAL LAYOUT
FOR 1999 CORRECTIVE ACTION PROGRAM

Date:	DECEMBER 2000
Project:	03-347TASK1
File:	OPER-99-1.DWG



CROSS REFERENCE TABLE OF WELL DESIGNATIONS

<u>WELL OR LOCATION</u>	<u>OLD DESIGNATION</u>	<u>STATUS</u>
<u>DRINKING WATER</u>		
WELL #27 NEW MILL DRINKING WATER		
<u>SURFACE WATER</u>		
SWEETWATER RIVER BELOW MILL	S-5/WN-SWR-BE	
SWEETWATER RIVER ACROSS FROM MILL	S-6/WN-SWR-AC	
SWEETWATER RIVER ABOVE MILL	S-7/WN-SWR-AB	
<u>GROUND WATER</u>		
WELL #1	WN 7 HB 48'	
WELL #2 MILL PROCESS WATER		
WELL #3	WN-2 HD 25'	
WELL #4E		
WELL #4R	REPLACES WELL #4	
WELL #5	WN-3 HD 63'	
WELL #5E		
WELL #7	WN-5H 28'	PUMP LOWERED 20' 1/16/96
WELL #9E		ABANDONED 4/13/95
WELL #9R	REPLACES WELL #9	ABANDONED 4/13/95
WN-15 265' BACKGROUND WELL		
WN-16 60'		
WN-17 55'		
WN-18 85'		
WN-19 50'		
WN-21 55'		
WN-23 65'		
WN-24 65'		
WN-25 160'		NO LONGER ABLE TO SAMPLE, WELL CASING FILLED WITH SAND 2 ND Q 2004
WN-26 95'		
WELL #28		
WELL #29		ABANDONED 4/13/95
WELL #30		
WELL #31		
WN-A 175'		STARTED SAMPLING AGAIN 8/28/96
WN-B 185'		NO LONGER ABLE TO SAMPLE, WELL CASING FILLED WITH SAND 1 ST Q 2004
WN-C 160'		

**Quarterly and Semi-Annual Groundwater
and Surface Water Compliance Monitoring
Results
Second Half of Year 2004**

WNI Split Rock Mill

Groundwater And Surface Water Quality

Quarterly Report

3Qtr-2004	Groundwater						
Parameter	WELL-1	WELL-2	WELL-4E	WELL-5	WELL-5E	WELL-7	WN-15
Aluminum (D) (mg/L)	<0.1		0.4	0.3	<0.1		
Ammonia as N (mg/L)	16.8		9.4	0.18	0.11		
Arsenic (D) (mg/L)	<0.01		<0.01	<0.01	<0.01		
Barium (D) (mg/L)	<0.05		<0.05	<0.05	<0.05		
Beryllium (D) (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Bicarbonate (mg/L)	766		472	660	658		
Cadmium (D) (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001
Calcium (mg/L)	668		715	901	803		
Carbonate (mg/L)	<1		<1	<1	<1		
Chloride (mg/L)	63	94	130	125	105	146	18
Chromium (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cond Field (uS/cm)	2520	6640	7510	7100	6490	8000	924
Cond Lab (uS/cm)	3450		4000	3630	3510		
Iron (D) (mg/L)	<0.05		0.2	<0.05	<0.05		
Lead (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	109		158	119	120		
Manganese (D) (mg/L)	5.68		13.1	0.3	0.21		
Mercury (D) (mg/L)	<0.001		<0.001	<0.001	<0.001		
Molybdenum (D) (mg/L)			0.2	<0.1	<0.1		
Nickel (D) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate + Nitrite as N (mg/L)	52.5	34.5	30.9	52.1	76.4	20.4	12.7
pH Field (std. units)	6.41	6.94	6.57	6.74	6.86	6.41	7.48
pH Lab (std. units)	6.5	6.85	6.52	6.84	6.79	6.36	7.42
Potassium (mg/L)	19.1		35.6	22	18.2		
Radium-226 (D) (pCi/L)	2.9		1.1	<1	<1		
Radium-228 (D) (pCi/L)	<2		<2	<2	<2		
Selenium (D) (mg/L)	0.011	0.033	0.012	0.022	0.013	0.018	<0.005
Silver (D) (mg/L)	<0.004		<0.004	<0.004	<0.004		
Sodium (mg/L)	127		251	130	82.8		
Sulfate (mg/L)	1390	1770	2120	1790	1480	2590	297
TDS (mg/L)	3360	4220	4020	4050	3610	4810	760
Temp Field (C)	11	10.7	10.6	10.4	11.4	11.4	12
Thorium-230 (D) (pCi/L)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	3.48	0.893	0.962	2.15	2.45	0.217	0.176

WNI Split Rock Mill

Groundwater And Surface Water Quality

Quarterly Report

3Qtr-2004	Groundwater						
Parameter	WN-16	WN-19	WN-26	WN-27	WELL-28	WELL-30	WELL-31
Aluminum (D) (mg/L)					<0.1	0.3	<0.1
Ammonia as N (mg/L)					90	27.5	0.15
Arsenic (D) (mg/L)					<0.01	0.01	<0.01
Barium (D) (mg/L)					<0.05	0.05	<0.05
Beryllium (D) (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Bicarbonate (mg/L)					774	409	659
Cadmium (D) (mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
Calcium (mg/L)					669	879	937
Carbonate (mg/L)					<1	<1	<1
Chloride (mg/L)	<5	96	<5	<5	115	103	155
Chromium (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cond Field (uS/cm)	295	3100	304	301	3800	8700	7070
Cond Lab (uS/cm)					4130	4840	3880
Iron (D) (mg/L)					<0.05	<0.05	<0.05
Lead (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)					158	189	128
Manganese (D) (mg/L)					13.4	4.31	0.11
Mercury (D) (mg/L)					<0.001	<0.001	<0.001
Molybdenum (D) (mg/L)					<0.1	0.2	0.2
Nickel (D) (mg/L)	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.05
Nitrate + Nitrite as N (mg/L)	1.06	2.17	0.52	0.78	31.1	139	69.6
pH Field (std. units)	7.8	7.16	7.79	7.43	6.42	6.69	6.96
pH Lab (std. units)	7.67	6.92	7.76	7.56	6.46	6.76	6.85
Potassium (mg/L)					32.2	43.2	18.4
Radium-226 (D) (pCi/L)					1.7	<1	<1
Radium-228 (D) (pCi/L)					<2	<2	<2
Selenium (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	0.022	0.035	0.01
Silver (D) (mg/L)					<0.004	<0.004	<0.004
Sodium (mg/L)					148	254	81.1
Sulfate (mg/L)	21	531	85	19	1830	2340	1740
TDS (mg/L)	236	1290	233	207	3830	4860	4120
Temp Field (C)	10.2	9.6	9.6	13.3	9.4	9.7	11.3
Thorium-230 (D) (pCi/L)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	0.015	0.793	0.003	0.01	5.54	1.38	5.49

WNI Split Rock Mill

Groundwater And Surface Water Quality

Quarterly Report

3Qtr-2004	Groundwater			Surface Water		
Parameter	WN-A	WN-B	WN-C	S-7	S-6	S-5
Aluminum (D) (mg/L)						
Ammonia as N (mg/L)						
Arsenic (D) (mg/L)						
Barium (D) (mg/L)						
Beryllium (D) (mg/L)	<0.004		<0.004	<0.004	<0.004	<0.004
Bicarbonate (mg/L)						
Cadmium (D) (mg/L)	<0.001		<0.001	<0.001	<0.001	<0.001
Calcium (mg/L)						
Carbonate (mg/L)						
Chloride (mg/L)	109		92	6	13	<5
Chromium (D) (mg/L)	<0.005		<0.005	<0.005	<0.005	<0.005
Cond Field (uS/cm)	3060		3350	337	287	403
Cond Lab (uS/cm)						
Iron (D) (mg/L)						
Lead (D) (mg/L)	<0.005		<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)						
Manganese (D) (mg/L)						
Mercury (D) (mg/L)						
Molybdenum (D) (mg/L)						
Nickel (D) (mg/L)	<0.05		<0.05	<0.05	<0.05	<0.05
Nitrate + Nitrite as N (mg/L)	1.62		42.3	<0.2	<0.2	<0.2
pH Field (std. units)	6.3		6.5	7.98	8.17	8.16
pH Lab (std. units)	6.3		6.6	7.92	7.75	7.94
Potassium (mg/L)						
Radium-226 (D) (pCi/L)						
Radium-228 (D) (pCi/L)						
Selenium (D) (mg/L)	<0.005		0.009	<0.005	<0.005	<0.005
Silver (D) (mg/L)						
Sodium (mg/L)						
Sulfate (mg/L)	1500		1550	31	38	44
TDS (mg/L)	3620		3720	209	269	269
Temp Field (C)	9.6		10.2	17.3	17.4	16
Thorium-230 (D) (pCi/L)	<0.4		<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	2.36		5.83	0.003	0.006	0.011

WNI Split Rock Mill

Groundwater And Surface Water Quality

Quarterly Report

4Qtr-2004

Groundwater

Parameter	WELL-1	WELL-2	WELL-4E	WELL-5	WELL-5E	WELL-7	WN-15
Aluminum (D) (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia as N (mg/L)	12.4	0.49	60.9	0.17	0.19	1.41	<0.05
Arsenic (D) (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Barium (D) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12
Beryllium (D) (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Bicarbonate (mg/L)	864	810	502	687	683	577	207
Cadmium (D) (mg/L)	<0.001	0.002	<0.001	<0.001	<0.001	0.006	<0.001
Calcium (mg/L)	744	884	618	876	780	799	177
Carbonate (mg/L)	<1	<1	<1	<1	<1	<1	<1
Chloride (mg/L)	75	96	148	141	108	162	17
Chromium (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cond Field (uS/cm)	3270	3890	4870	4160	3820	4720	923
Cond Lab (uS/cm)	3710	3760	4580	4090	3720	4540	967
Iron (D) (mg/L)	<0.05	0.27	0.22	<0.05	<0.05	1.3	<0.05
Lead (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	140	126	189	127	125	266	27.5
Manganese (D) (mg/L)	3.61	1.1	28.6	0.32	0.22	30.3	<0.05
Mercury (D) (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum (D) (mg/L)	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Nickel (D) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate + Nitrite as N (mg/L)	47.6	32.3	22.7	63.7	79.9	21.6	13.4
pH Field (std. units)	6.51	6.87	6.65	6.72	6.92	6.42	7.6
pH Lab (std. units)	6.73	7.12	6.79	7.01	7.19	6.65	7.75
Potassium (mg/L)	20.8	21.7	98.3	23.4	17.9	25	7.6
Radium-226 (D) (pCi/L)	<1	<1	<1	<1	<1	<1	<1
Radium-228 (D) (pCi/L)	<2	<2	<2	<2	<2	<2	<2
Selenium (D) (mg/L)	0.011	0.054	0.008	0.025	0.017	0.038	<0.005
Silver (D) (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Sodium (mg/L)	123	71.2	264	120	77.2	204	14.7
Sulfate (mg/L)	1510	1920	2440	1870	1530	2740	301
TDS (mg/L)	3420	4010	4050	4070	3660	4840	776
Temp Field (C)	9	8.7	8.3	8.6	8.7	9.3	8.7
Thorium-230 (D) (pCi/L)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	3.92	0.837	0.762	2.17	2.56	0.181	0.142

18-Feb-05

MFG, Inc.

WNI Split Rock Mill

Groundwater And Surface Water Quality

Quarterly Report

<i>4Qtr-2004</i>	<i>Groundwater</i>						
<i>Parameter</i>	<i>WN-16</i>	<i>WN-19</i>	<i>WN-26</i>	<i>WN-27</i>	<i>WELL-28</i>	<i>WELL-30</i>	<i>WELL-31</i>
Aluminum (D) (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia as N (mg/L)	<0.05	0.05	<0.05	<0.05	89	25.8	0.13
Arsenic (D) (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
Barium (D) (mg/L)	0.06	0.09	0.1	<0.05	<0.05	<0.05	<0.05
Beryllium (D) (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Bicarbonate (mg/L)	156	287	98	140	786	475	789
Cadmium (D) (mg/L)	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Calcium (mg/L)	44.9	198	53.9	39.1	712	824	945
Carbonate (mg/L)	<1	<1	<1	<1	<1	<1	<1
Chloride (mg/L)	5	112	<5	6	128	111	193
Chromium (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cond Field (uS/cm)	241	1940	369	280	3730	4890	4350
Cond Lab (uS/cm)	298	1770	295	267	4460	4850	4300
Iron (D) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	5.9	43.1	4.5	5.7	176	182	131
Manganese (D) (mg/L)	<0.05	0.25	<0.05	<0.05	13.2	3.87	0.16
Mercury (D) (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum (D) (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.2
Nickel (D) (mg/L)	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.05
Nitrate + Nitrite as N (mg/L)	1.08	5.4	0.52	0.56	29.1	115	78.8
pH Field (std. units)	7.81	7.18	7.87	7.8	6.5	6.72	6.96
pH Lab (std. units)	8.01	7.45	7.98	7.79	6.71	6.96	7.25
Potassium (mg/L)	6.2	19.4	2.8	5.7	34.5	42.1	20.8
Radium-226 (D) (pCi/L)	<1	<1	<1	<1	<1	<1	<1
Radium-228 (D) (pCi/L)	<2	<2	<2	<2	2.4	<2	<2
Selenium (D) (mg/L)	<0.005	0.006	0.005	<0.005	0.023	0.029	0.011
Silver (D) (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Sodium (mg/L)	15.2	157	8.1	14.5	144	223	76
Sulfate (mg/L)	21	567	72	18	2050	2380	1720
TDS (mg/L)	246	1350	237	211	3780	4660	4380
Temp Field (C)	8.4	7.8	7.9	8.6	7.6	7.6	7.8
Thorium-230 (D) (pCi/L)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	0.012	0.531	0.002	0.009	0.572	1.12	7.8

WNI Split Rock Mill

Groundwater And Surface Water Quality

Quarterly Report

4Qtr-2004	Groundwater			Surface Water		
Parameter	WN-A	WN-B	WN-C	S-7	S-6	S-5
Aluminum (D) (mg/L)	<0.1		<0.1	<0.1	<0.1	<0.1
Ammonia as N (mg/L)	3		41	<0.05	<0.05	<0.05
Arsenic (D) (mg/L)	<0.01		<0.01	<0.01	<0.01	<0.01
Barium (D) (mg/L)	<0.05		<0.05	<0.05	<0.05	<0.05
Beryllium (D) (mg/L)	<0.004		<0.004	<0.004	<0.004	<0.004
Bicarbonate (mg/L)	804		819	92	100	112
Cadmium (D) (mg/L)	<0.001		<0.001	<0.001	<0.001	<0.001
Calcium (mg/L)	829		819	25.1	28.2	31.1
Carbonate (mg/L)	<1		<1	<1	<1	1
Chloride (mg/L)	112		101	5	6	8
Chromium (D) (mg/L)	<0.005		<0.005	<0.005	<0.005	<0.005
Cond Field (uS/cm)	3020		3620	138	155	4160
Cond Lab (uS/cm)	3550		4240	191	214	250
Iron (D) (mg/L)	17.9		<0.05	0.21	0.19	0.15
Lead (D) (mg/L)	<0.005		<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	114		162	4.8	5.3	5.9
Manganese (D) (mg/L)	0.6		8.62	<0.05	<0.05	<0.05
Mercury (D) (mg/L)	<0.001		<0.001	<0.001	<0.001	<0.001
Molybdenum (D) (mg/L)	<0.1		<0.1	<0.1	<0.1	<0.1
Nickel (D) (mg/L)	<0.05		<0.05	<0.05	<0.05	<0.05
Nitrate + Nitrite as N (mg/L)	1.73		44.7	<0.2	<0.2	<0.2
pH Field (std. units)	6.37		6.51	8.14	8.06	6.72
pH Lab (std. units)	6.56		6.74	8.21	8.18	8.37
Potassium (mg/L)	18.2		27.3	3	3.3	4.4
Radium-226 (D) (pCi/L)	<1		<1	<1	<1	<1
Radium-228 (D) (pCi/L)	<2		<2	<2	<2	<2
Selenium (D) (mg/L)	<0.005		0.017	<0.005	<0.005	<0.005
Silver (D) (mg/L)	<0.004		<0.004	<0.004	<0.004	<0.004
Sodium (mg/L)	47.6		120	11.6	13.5	18
Sulfate (mg/L)	1670		1910	20	23	27
TDS (mg/L)	3470		3920	147	165	186
Temp Field (C)	8.2		8.4	2.9	3.6	8.6
Thorium-230 (D) (pCi/L)	<0.4		<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	2.04		5.13	0.002	0.003	0.006

Groundwater Corrective Action Program
Quarterly and Semi-Annual Monitoring
Results
Second Half of Year 2004

Groundwater Corrective Action Program Monitoring Results

3Qtr-2004

Parameter	WN-21(POC)	WN-24	WN-25	WELL-3	WN-18	WN-23	WN-17	WELL-4R(POC)
Aluminum (D) (mg/L)	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	2.8
Ammonia as N (mg/L)	1.66	0.05		0.06	0.08	<0.05	<0.05	204
Arsenic (D) (mg/L)	<0.01	<0.01		<0.01	<0.01	<0.01	0.02	<0.01
Barium (D) (mg/L)	<0.05	0.06		<0.05	0.06	<0.05	0.05	<0.05
Beryllium (D) (mg/L)	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004
Bicarbonate (mg/L)	239	258		292	342	286	224	298
Cadmium (D) (mg/L)	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	0.017
Calcium (mg/L)	93	244		287	298	<294	62.2	517
Carbonate (mg/L)	<1	<1		<1	<1	<1	<1	<1
Chloride (mg/L)	11	29		46	70	49	10	95
Chromium (D) (mg/L)	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
Cond Field (uS/cm)	667	1325		3160	3170	2970	862	1035
Cond Lab (uS/cm)	685	1440		1640	1910	1530	482	5380
Iron (D) (mg/L)	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05
Lead (D) (mg/L)	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	14.6	35.2		38.6	50.9	34.9	12.7	240
Manganese (D) (mg/L)	0.27	<0.05		<0.05	<0.05	<0.05	0.1	75.6
Mercury (D) (mg/L)	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum (D) (mg/L)	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Nickel (D) (mg/L)	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	0.47
Nitrate + Nitrite as N (mg/L)	8.89	18.6		23.5	14.9	16	0.21	44.3
pH Field (std. units)	7.5	7.52		7.18	7.22	7.06	7.67	6.09
pH Lab (std. units)	7.41	7.27		7.06	7.27	7.11	7.71	6.17
Potassium (mg/L)	7.7	10.9		10.9	15.5	14.4	8.9	71.8
Radium-226 (D) (pCi/L)	<1	<1		<1	<1	<1	<1	<1
Radium-228 (D) (pCi/L)	<2	<2		<2	<2	<2	<2	<2
Selenium (D) (mg/L)	<0.005	0.006		<0.005	0.006	0.005	<0.005	0.021
Silver (D) (mg/L)	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004
Sodium (mg/L)	31	52.9		70.1	113	52	25.4	250
Sulfate (mg/L)	109	506		590	655	591	54	2890
TDS (mg/L)	515	1240		1460	1800	1450	343	4530
Temp Field (C)	11.4	10.4		10.5	9.9	8.5	7.5	10.7
Thorium-230 (D) (pCi/L)	<0.4	<0.4		<0.4	<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	0.122	0.352		1.08	0.686	0.748	0.048	0.474

Note: POC = Point of compliance well

Note: Shaded numbers indicate that the value exceeds the maximum CAP
water quality monitoring parameter values for 1/1/90 - 12/31/96

Groundwater Corrective Action Program

Monitoring Results

4Qtr-2004

Parameter	WN-21(POC)	WN-24	WN-25	WELL-3	WN-18	WN-23	WN-17	WELL-4R(POC)
Aluminum (D) (mg/L)	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	2.3
Ammonia as N (mg/L)	1.4	<0.05		0.08	0.06	<0.05	<0.05	205
Arsenic (D) (mg/L)	<0.01	<0.01		<0.01	<0.01	<0.01	0.02	<0.01
Barium (D) (mg/L)	<0.05	0.05		<0.05	0.06	<0.05	0.07	<0.05
Beryllium (D) (mg/L)	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	0.004
Bicarbonate (mg/L)	241	261		293	355	309	227	283
Cadmium (D) (mg/L)	<0.001	<0.001		<0.001	<0.001	<0.001	0.002	0.014
Calcium (mg/L)	101	254		284	329	336	66.7	524
Carbonate (mg/L)	<1	<1		<1	<1	<1	<1	<1
Chloride (mg/L)	13	31		49	67	49	12	109
Chromium (D) (mg/L)	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
Cond Field (uS/cm)	699	1112		1564	2250	1870	575	6090
Cond Lab (uS/cm)	694	1510		1700	2080	1740	506	5690
Iron (D) (mg/L)	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05
Lead (D) (mg/L)	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	16	38.1		39.3	54.8	39.4	14	258
Manganese (D) (mg/L)	0.21	<0.05		<0.05	<0.05	<0.05	0.12	75.8
Mercury (D) (mg/L)	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum (D) (mg/L)	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Nickel (D) (mg/L)	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	0.48
Nitrate + Nitrite as N (mg/L)	9.34	18.9		23.8	44.7	16.8	0.24	57.8
pH Field (std. units)	7.67	7.49		7.26	7.22	7.02	7.66	6.12
pH Lab (std. units)	7.79	7.74		7.4	7.53	7.29	7.91	6.29
Potassium (mg/L)	8.5	11.8		12.1	16.8	16.2	10.4	74.3
Radium-226 (D) (pCi/L)	<1	<1		<1	<1	<1	<1	<1
Radium-228 (D) (pCi/L)	<2	<2		<2	<2	<2	<2	<2
Selenium (D) (mg/L)	<0.005	0.007		<0.005	0.024	0.008	<0.005	0.027
Silver (D) (mg/L)	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004
Sodium (mg/L)	31.5	53		66.4	111	54.2	28.1	241
Sulfate (mg/L)	122	546		600	665	637	65	3050
TDS (mg/L)	512	1240		1410	1810	1500	367	4690
Temp Field (C)	9.6	8.6		8.8	8.1	7.4	7.2	8
Thorium-230 (D) (pCi/L)	<0.4	<0.4		<0.4	<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	0.122	0.347		1.04	0.744	0.947	0.054	0.484

Note: POC = Point of compliance well

Note: Shaded numbers indicate that the value exceeds the maximum CAP water quality monitoring parameter values for 1/1/90 - 12/31/96

**WNI Split Rock Mill
Groundwater Corrective Action Plan (CAP)**

**Maximum CAP Water Quality Monitoring
Parameter Values for 1/1/90 – 12/31/96**

Groundwater Corrective Action Program Maximum CAP Water Quality Monitoring Parameter Values for 1/1/90-12/31/96

<i>Parameter</i>	<i>WN-21(POC)</i>	<i>WN-24</i>	<i>WN-25</i>	<i>WELL-3</i>	<i>WN-18</i>	<i>WN-23</i>	<i>WN-17</i>	<i>WELL-4R(POC)</i>
Beryllium (mg/L)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Cadmium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Chloride (mg/L)	51.20	31.50	51.60	50.10	55.00	76.60	11.10	292
Chromium (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07
Lead (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09
Nitrate + Nitrite as N (mg/L)	29.20	7.22	49.70	49.40	29	44	0.25	317
pH Field (std. Units)	6.04	7.14	6.49	6.95	6.36	6.65	6.87	5.37
Radium Comb. (pCi/L)	3.7	7.6	3.8	2.2	3.0	17.2	6.5	7.2
Selenium (mg/L)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.34
Sulfate (mg/L)	1,053	244	1,072	705	451	1,139	69	4,000
TDS (mg/L)	1,850	641	2,079	1,570	1,226	2,509	336	7,661
Thorium-230 (pCi/L)	<0.04	0.70	<0.04	5.00	<0.04	0.90	<0.6	1.30
Uranium (pCi/ml)	0.91	0.15	1.12	0.94	0.51	1.82	0.03	2.71

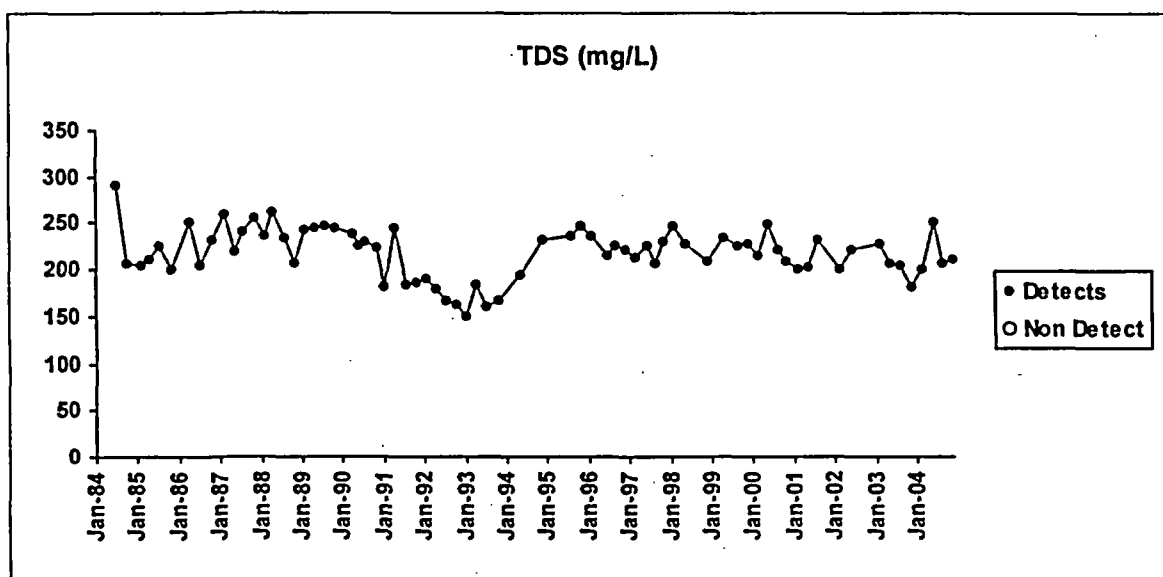
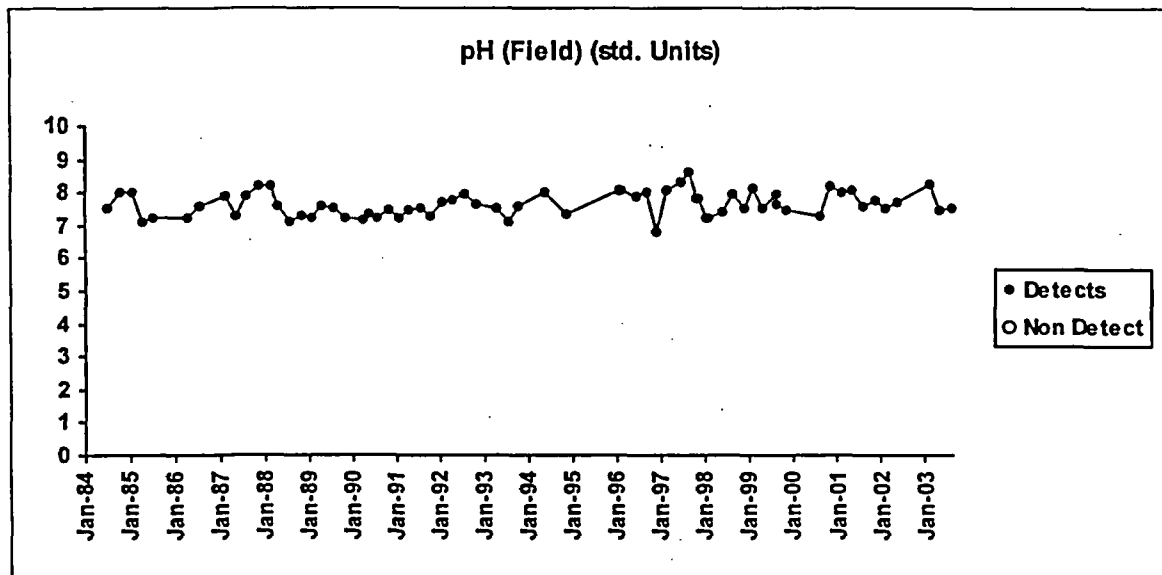
*pH values represent minimum field value recorded from January 1, 1990 through December 31, 1996.
Be and Se values represent the standard listed in license SUA-56 condition 74(b) because all recent values are below the listed standard.
POC = Point of Compliance Well*

DRINKING WATER

Note: Effective March 10, 1997, Well #27 is no longer used as a drinking water source. However, the report format has not been changed in an effort to maintain consistency with previous reports.

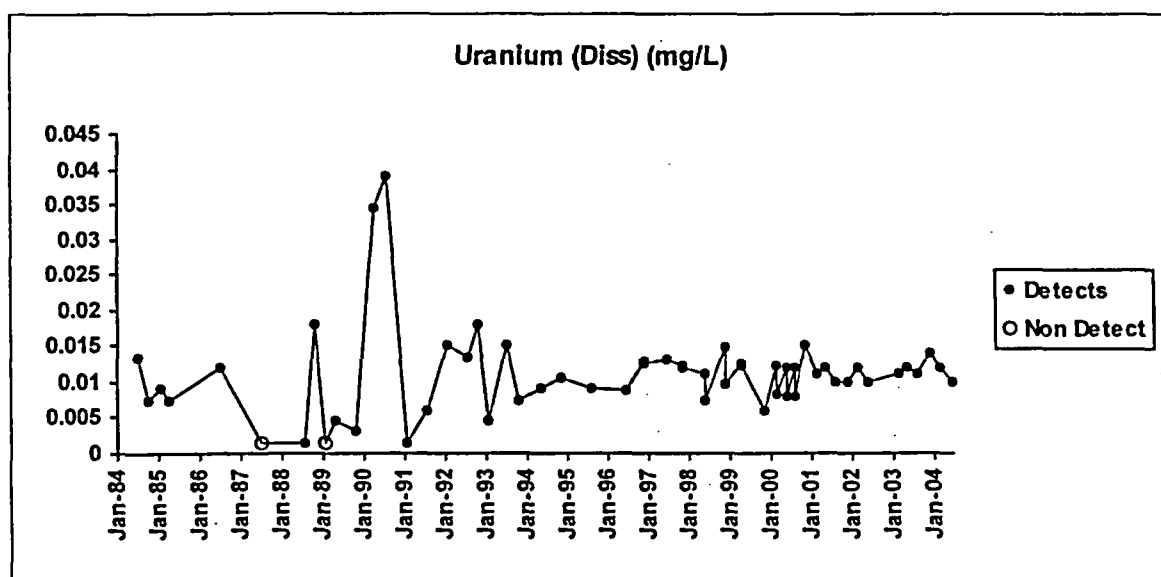
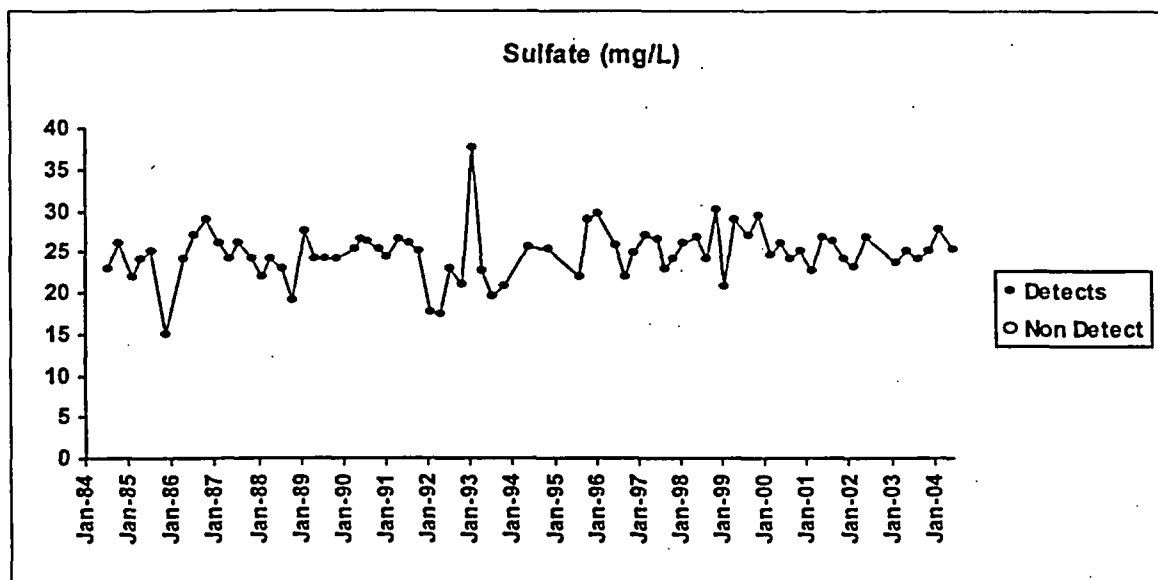
Jeffrey City

WELL-27



Jeffrey City

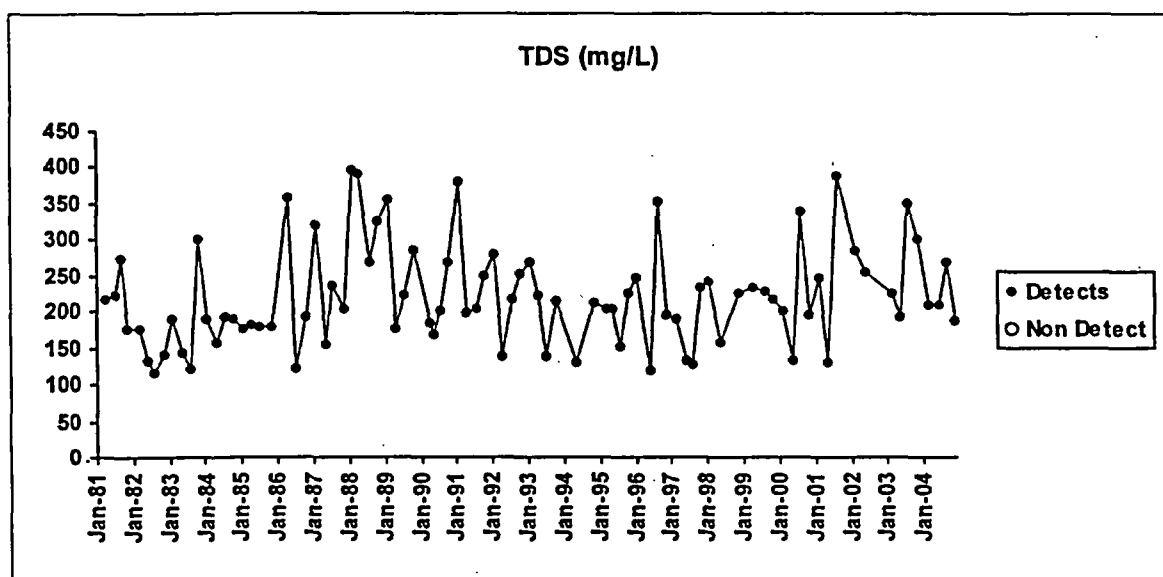
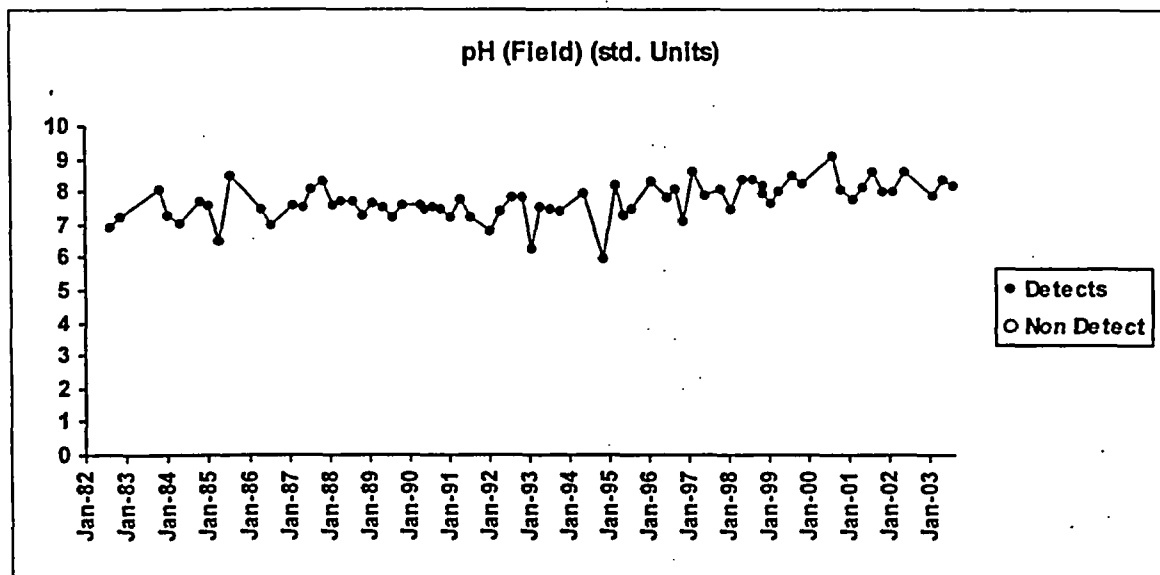
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SURFACE WATER

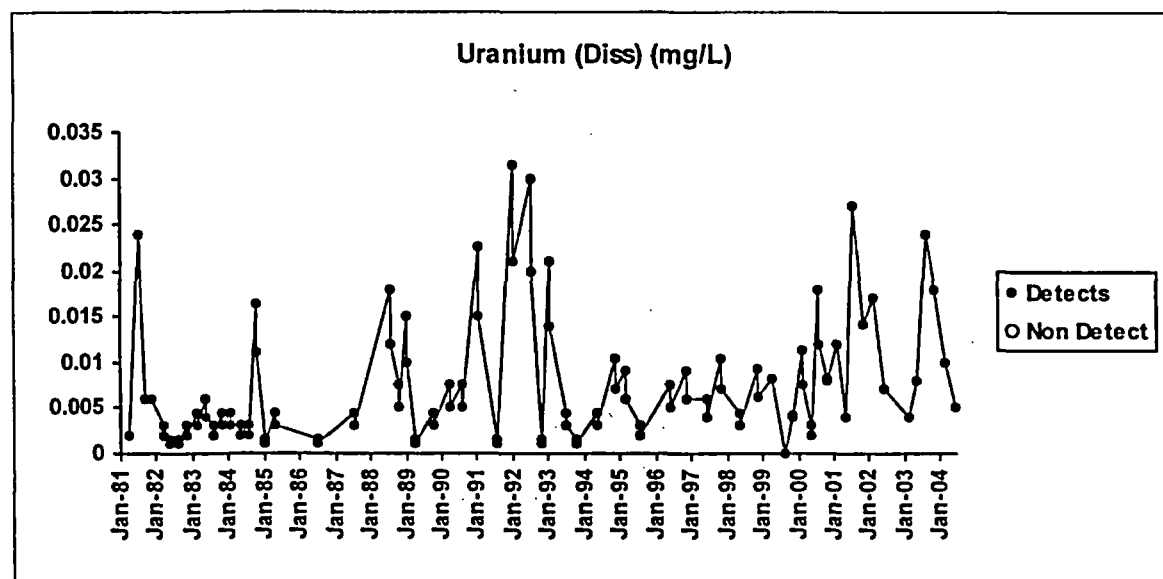
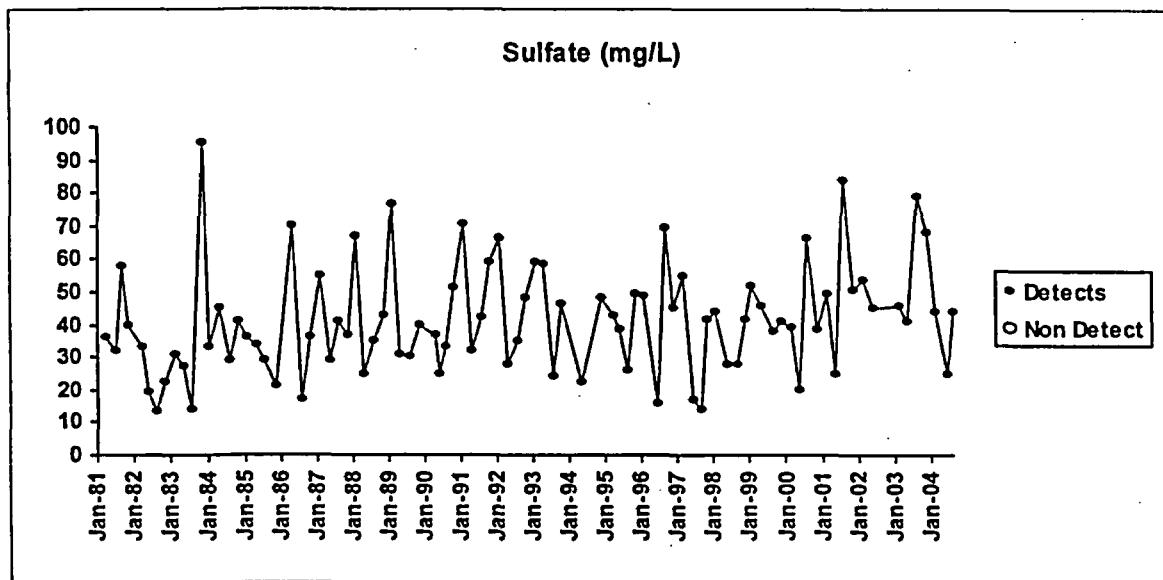
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S-5



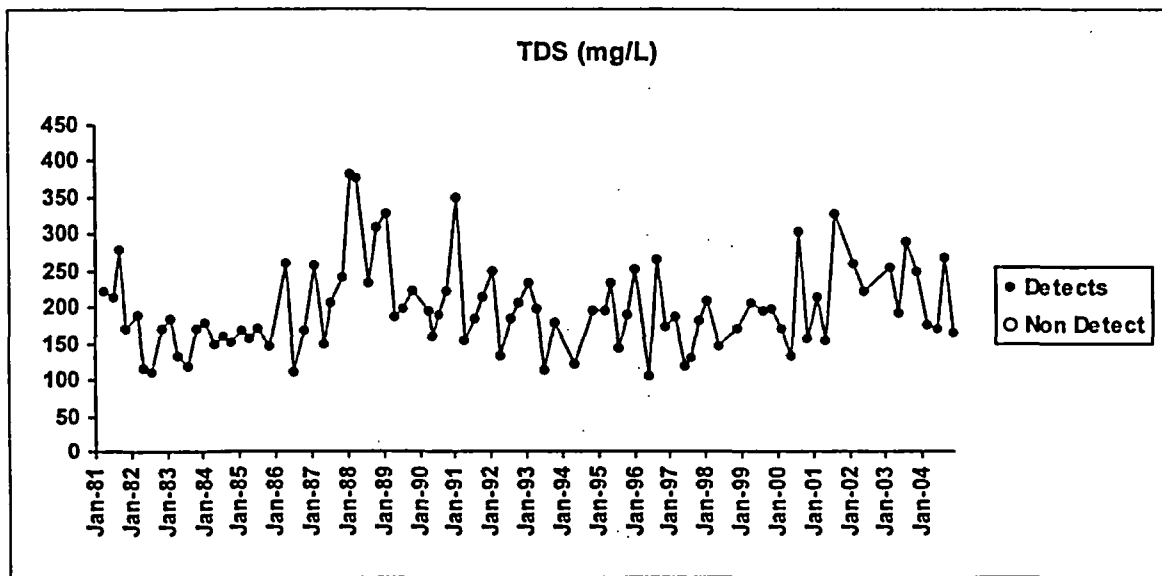
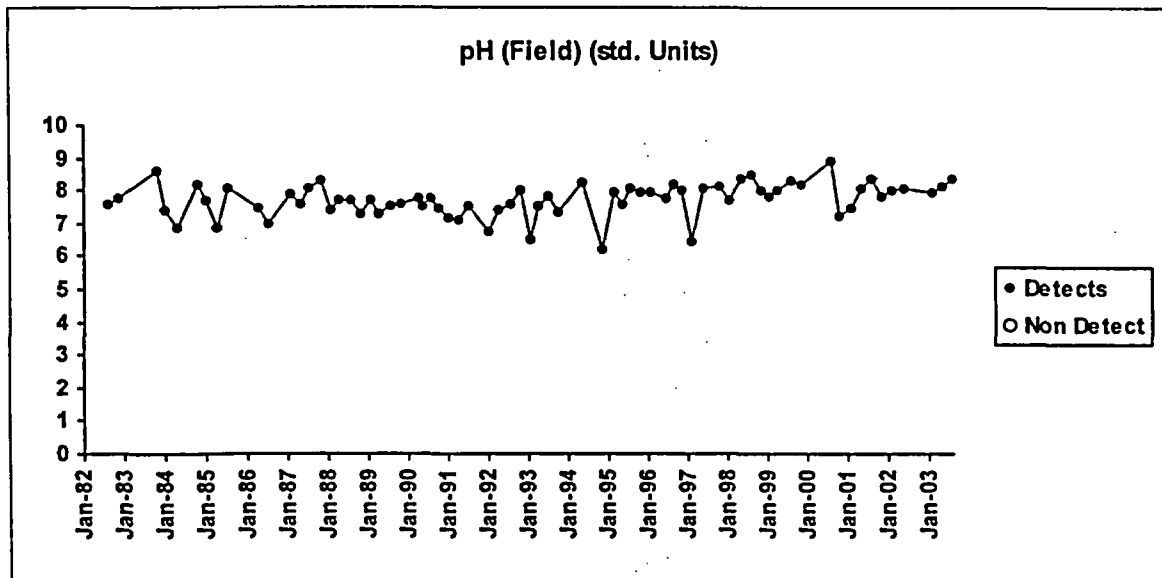
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S-5



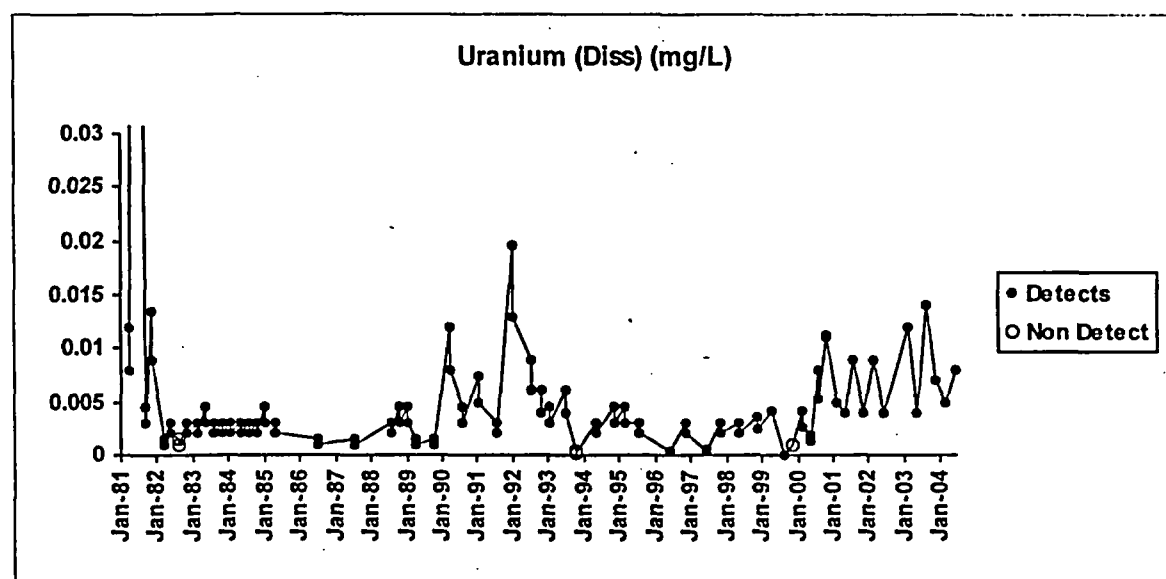
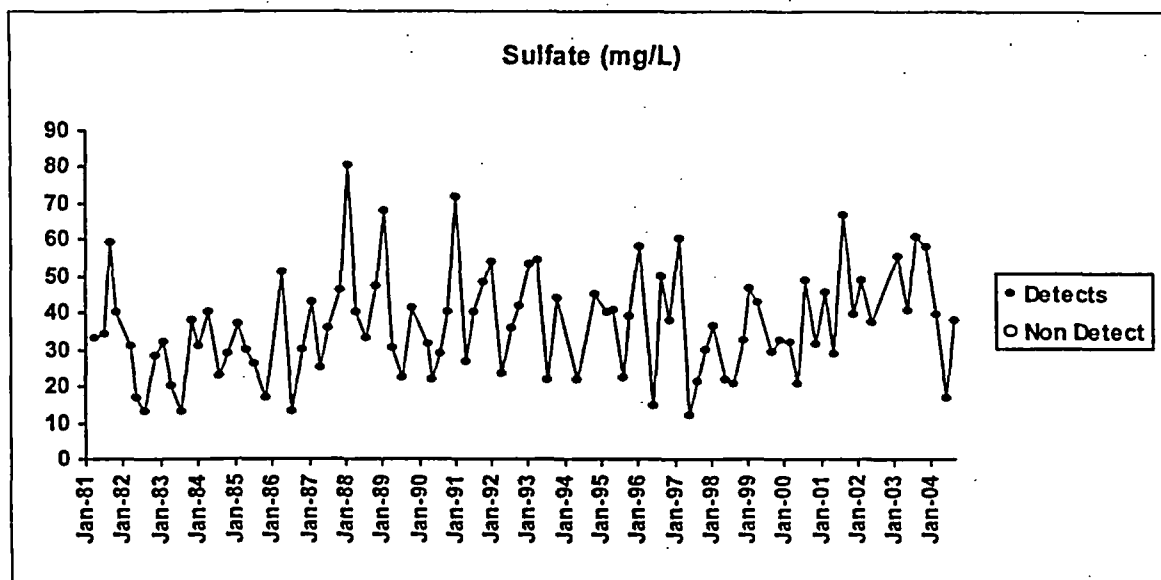
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S-6



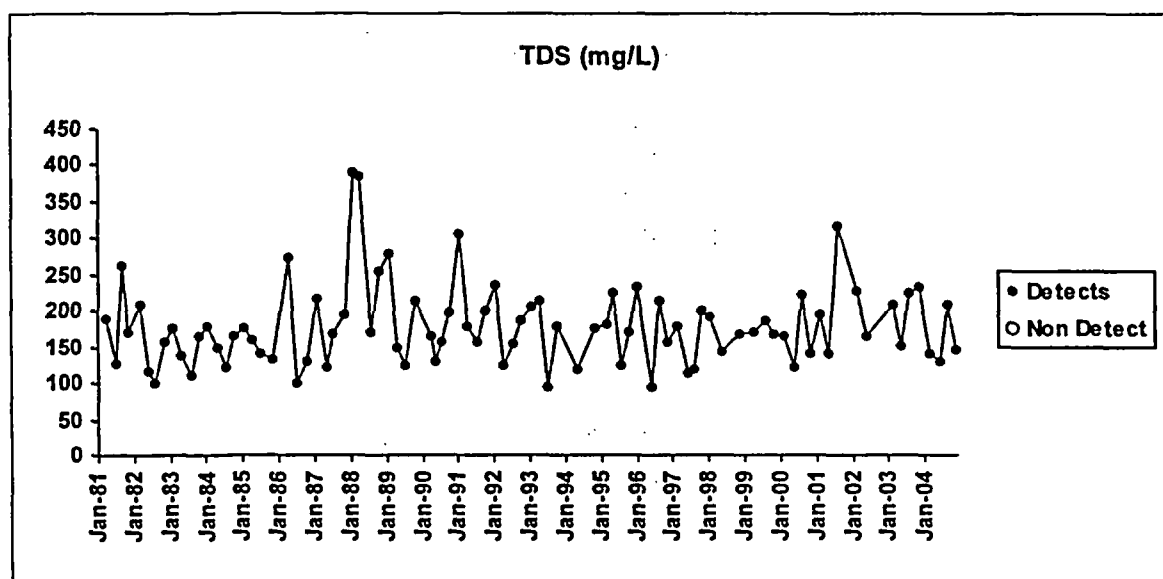
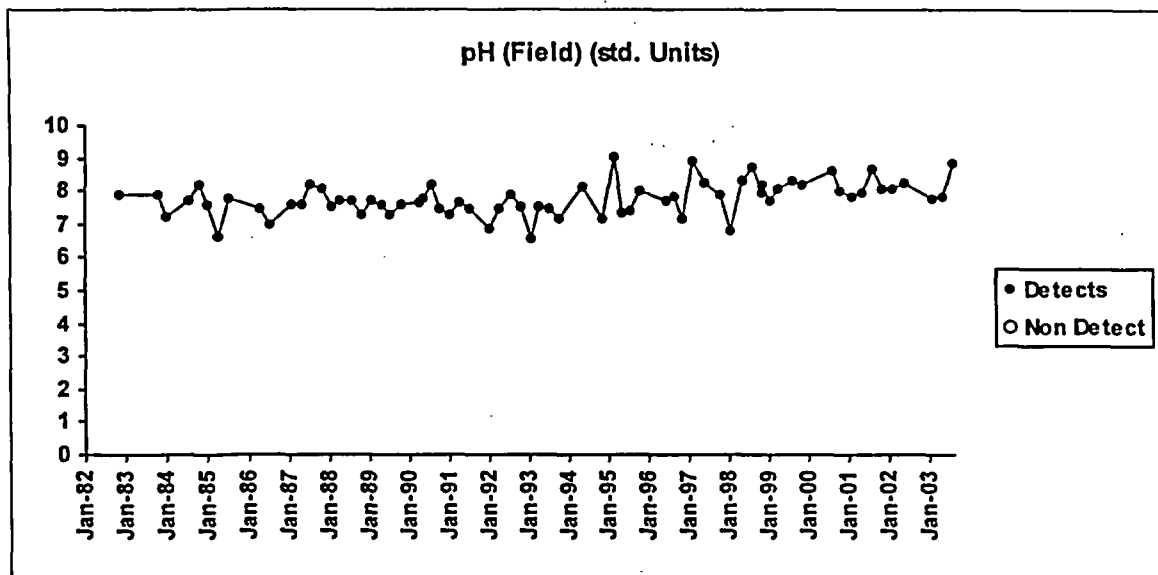
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S-6



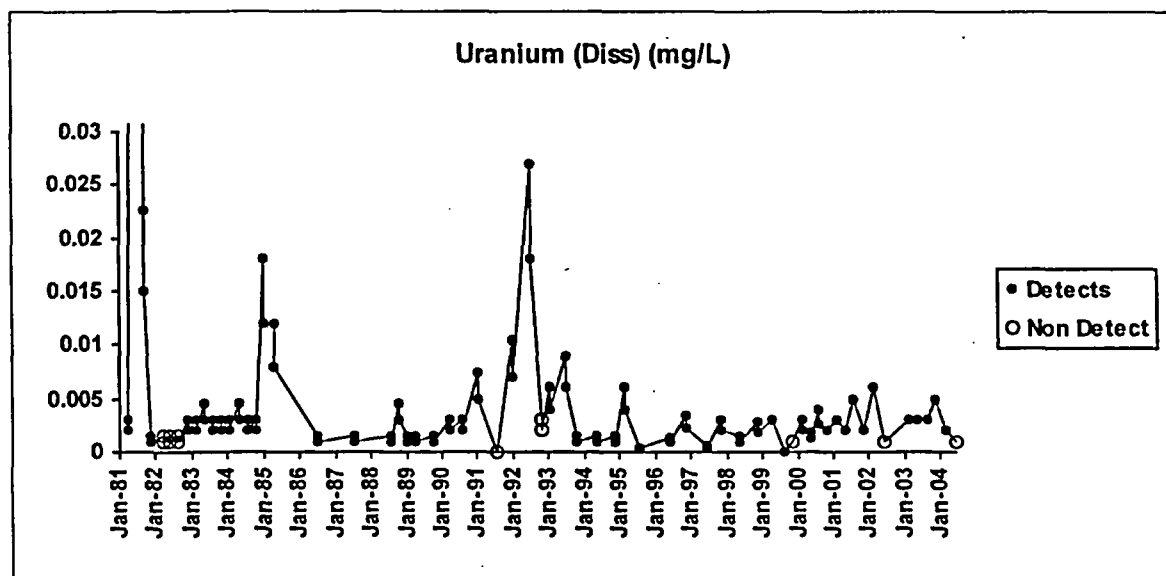
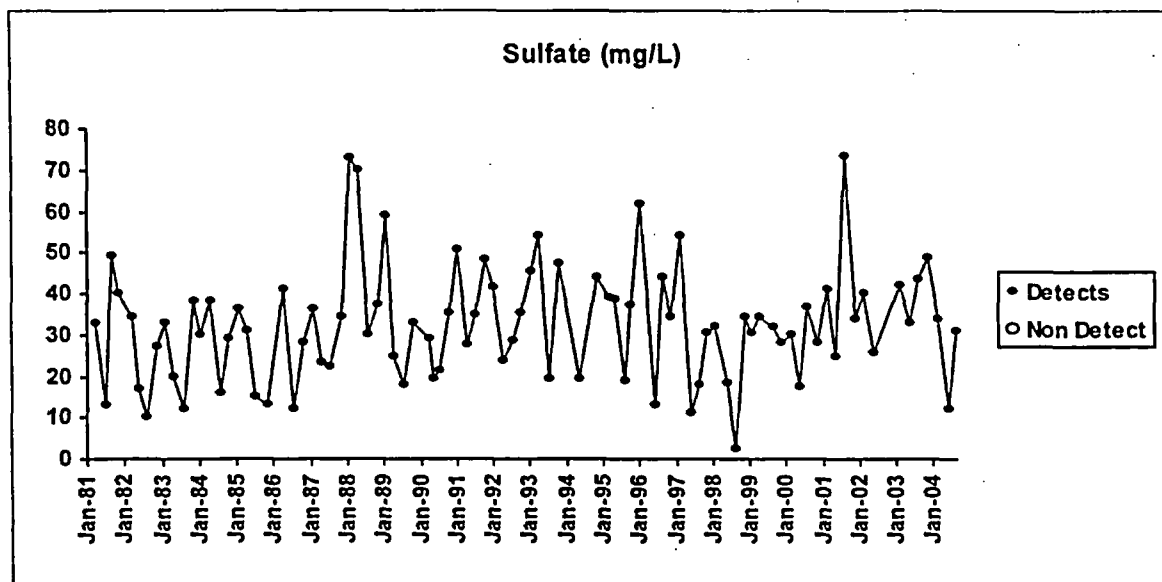
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S-7



Jeffrey City

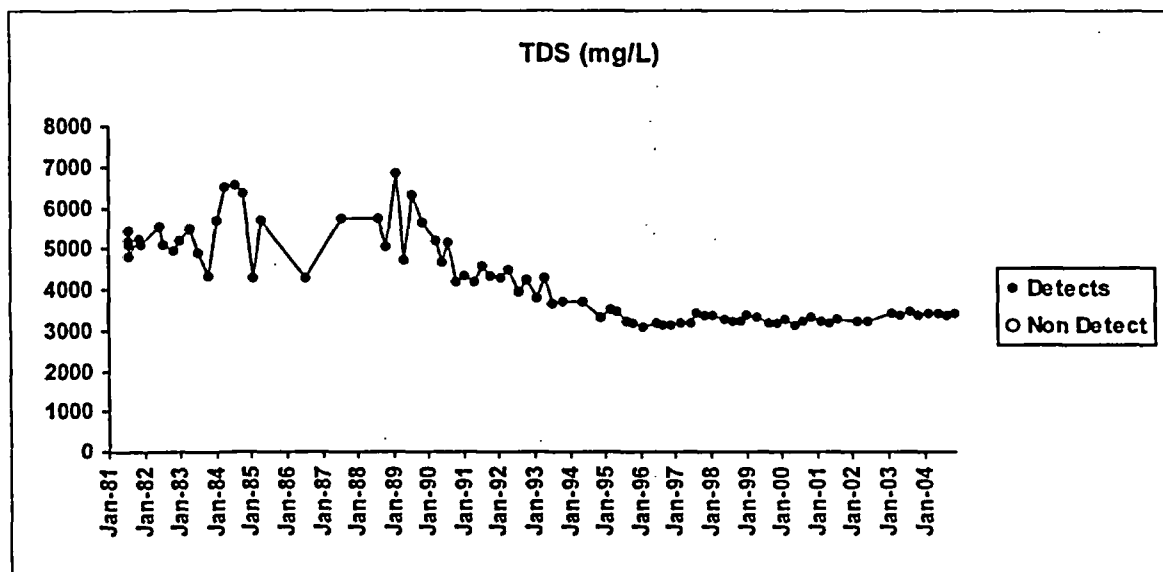
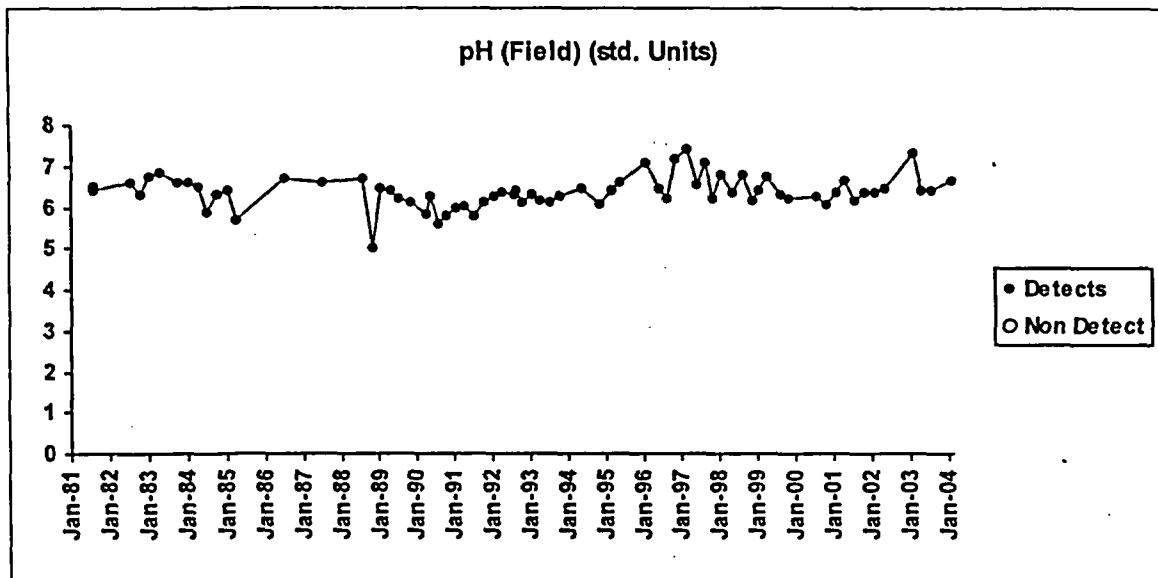
S-7



GROUNDWATER

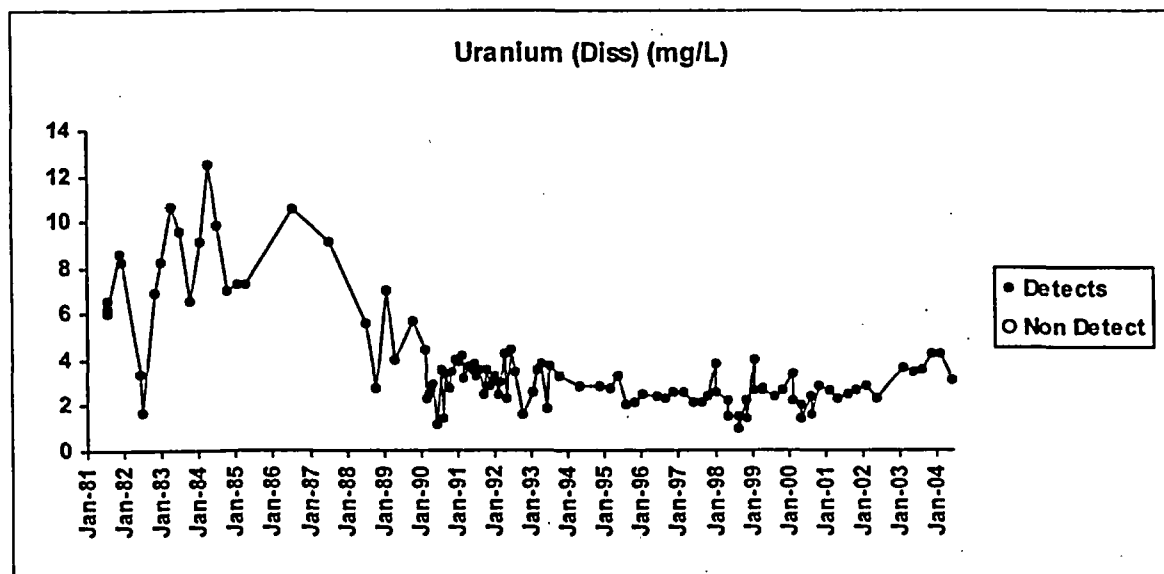
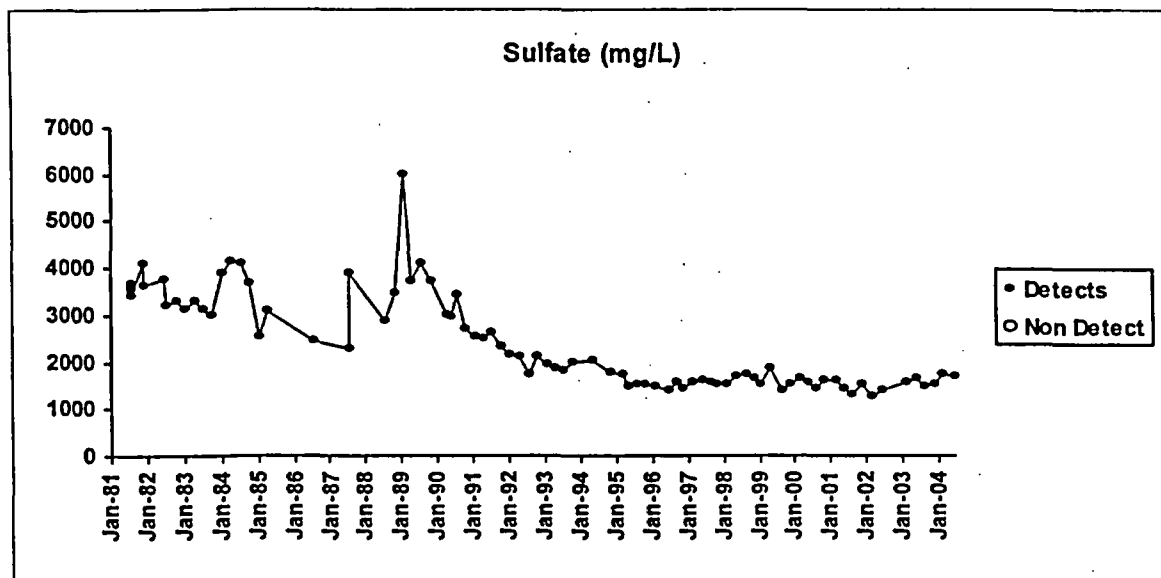
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WELL-1



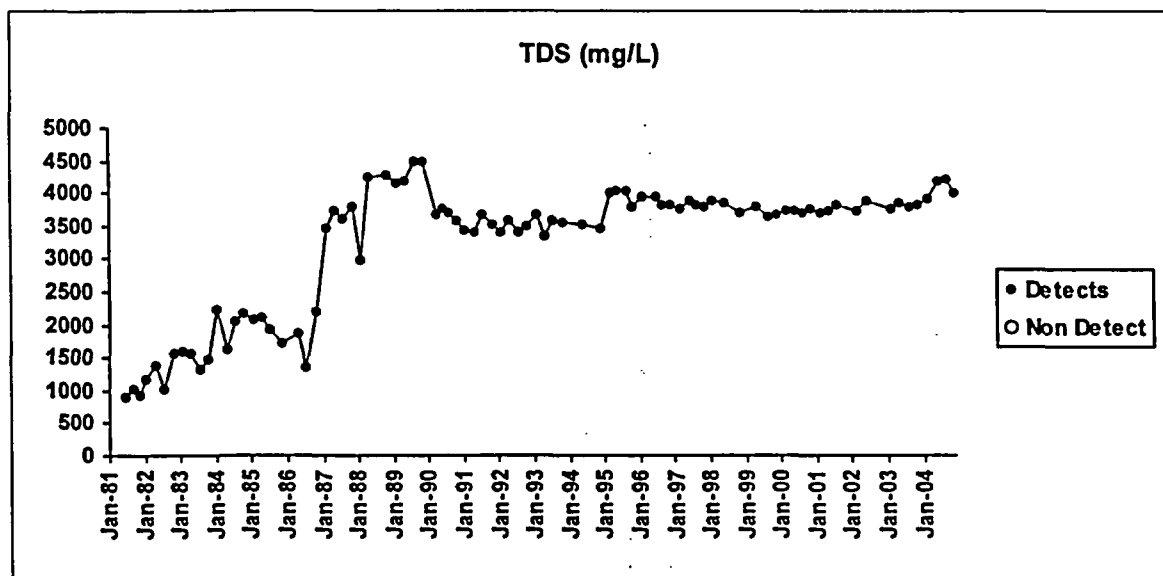
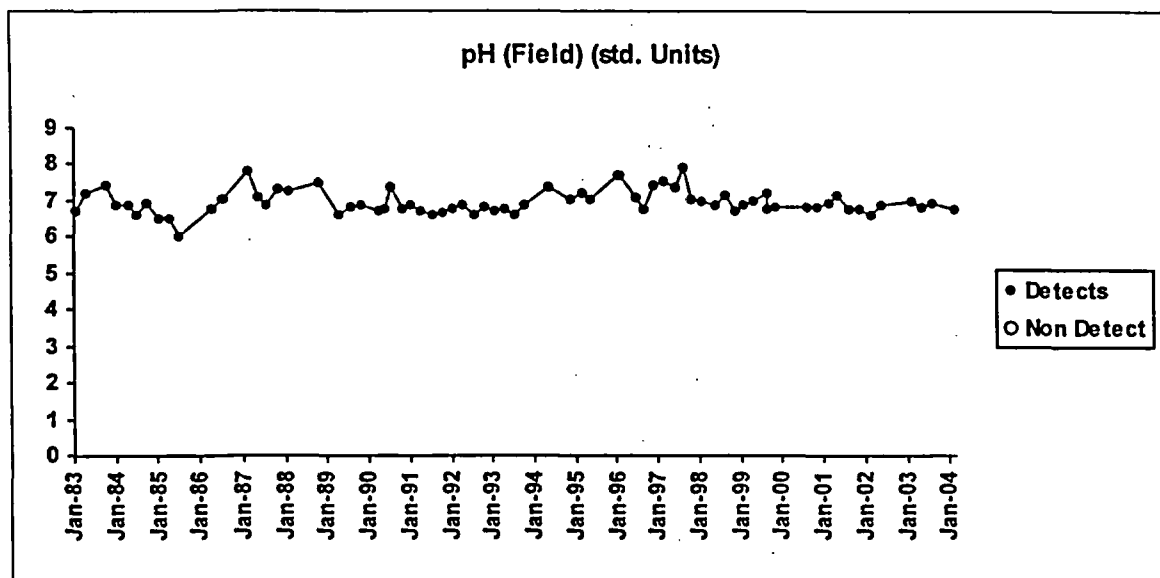
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WELL-1



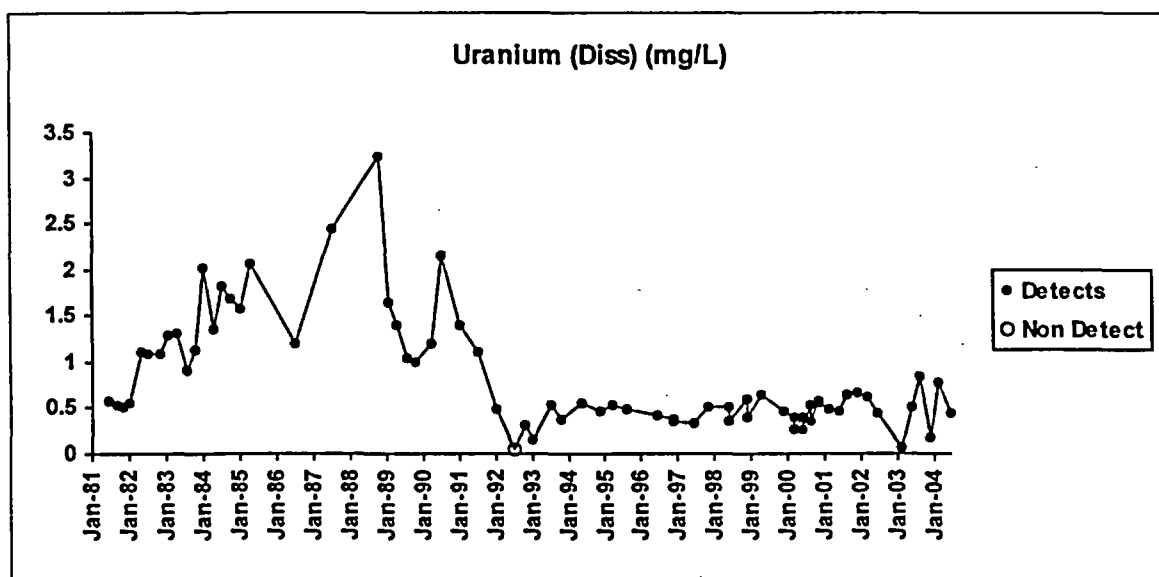
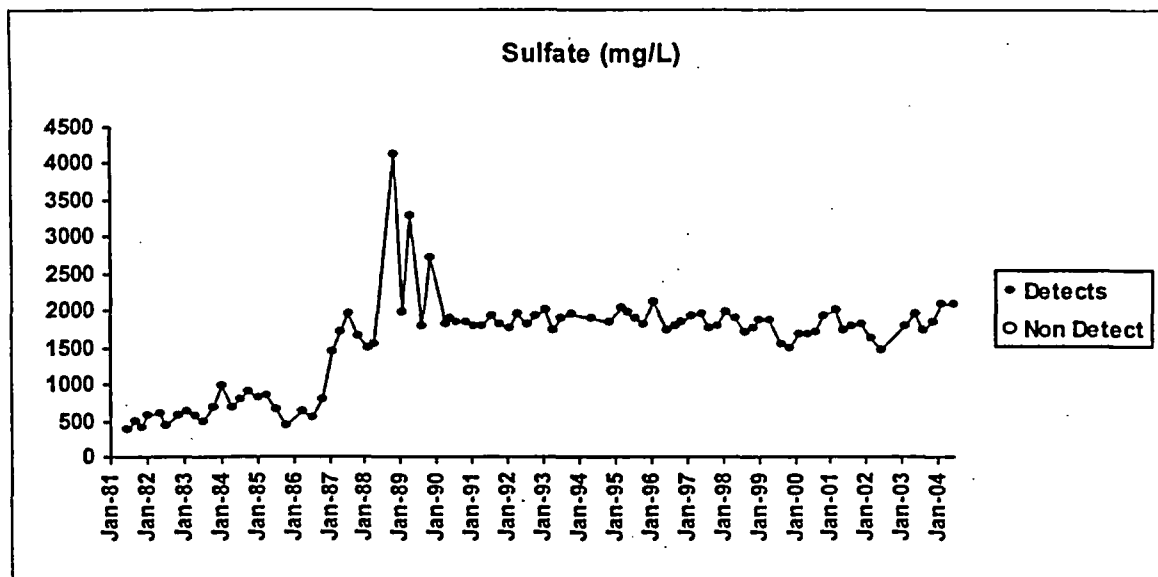
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WELL-2



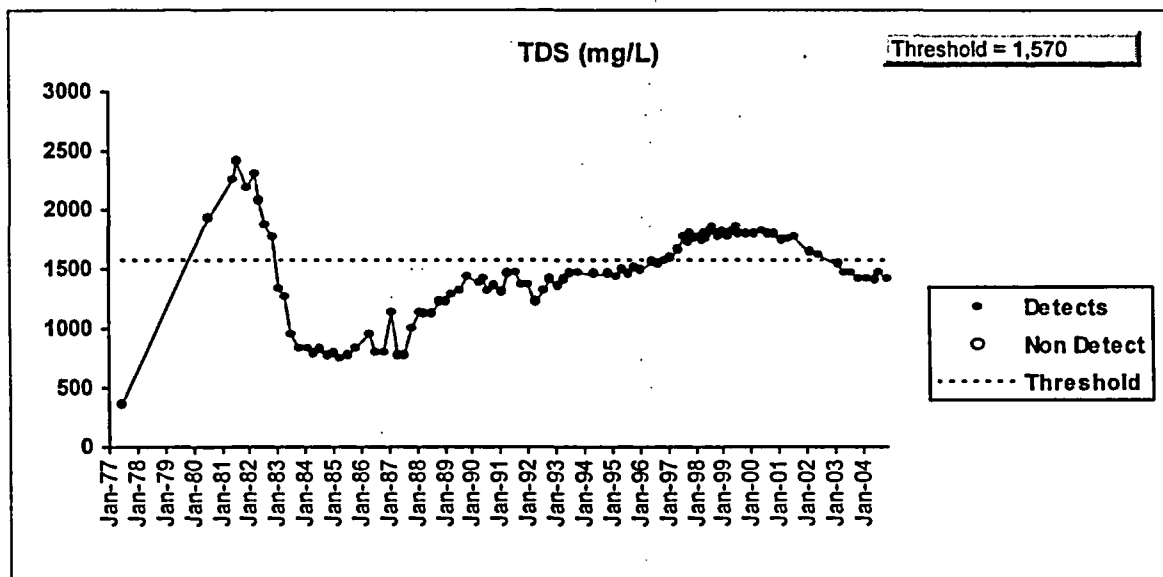
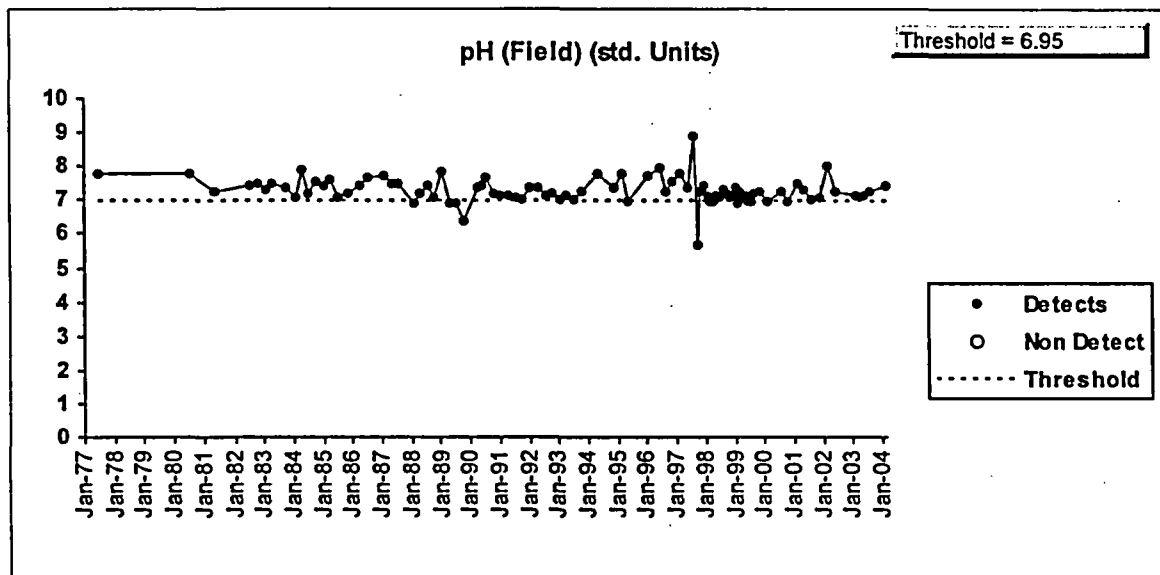
Jeffrey City

WELL-2



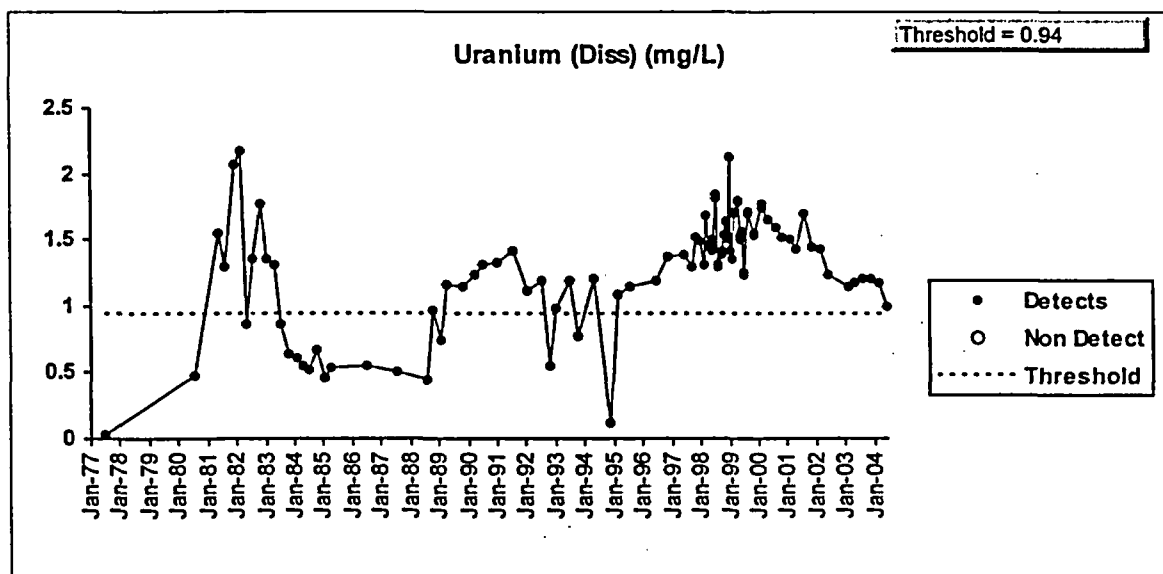
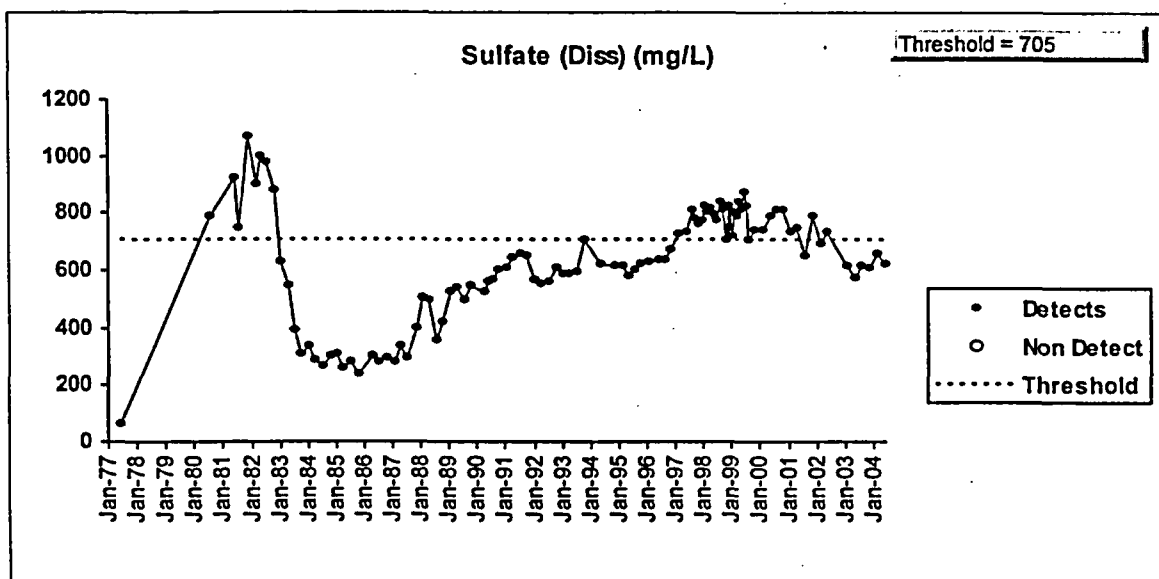
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WELL-3



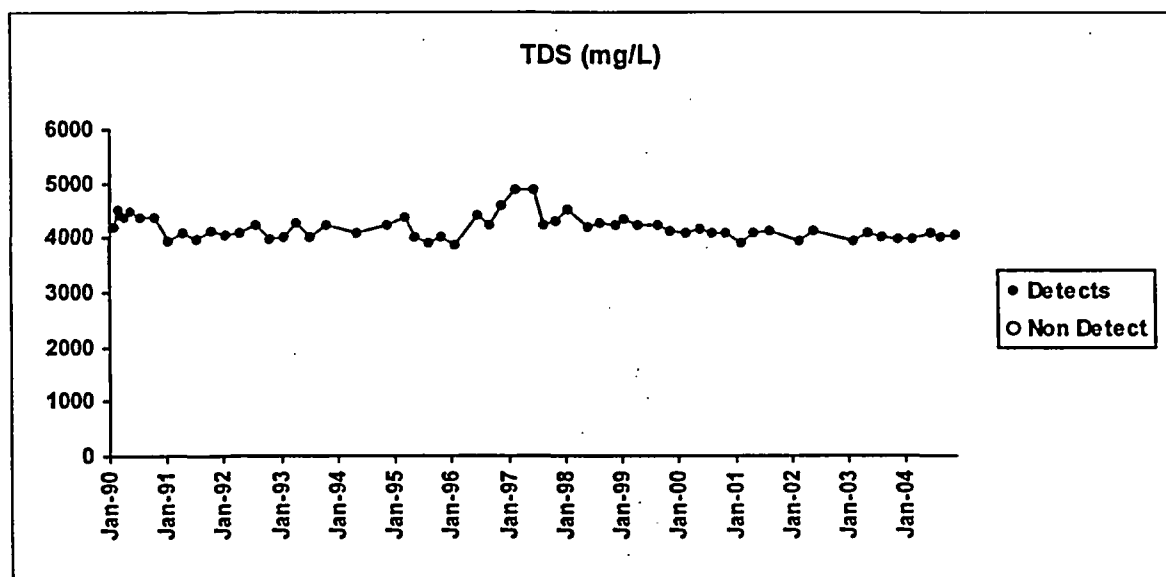
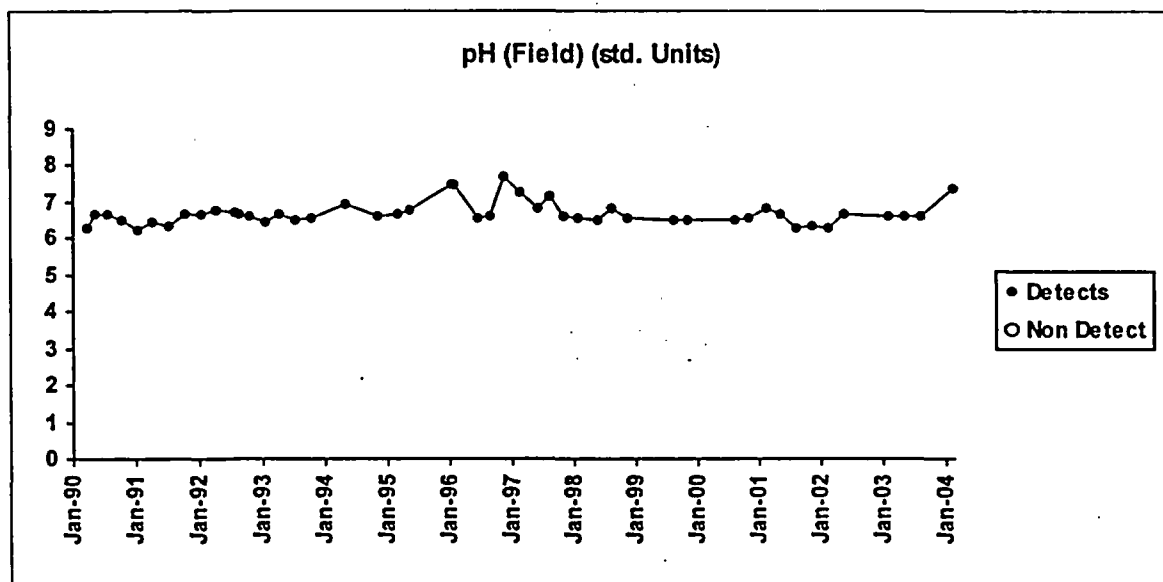
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WELL-3



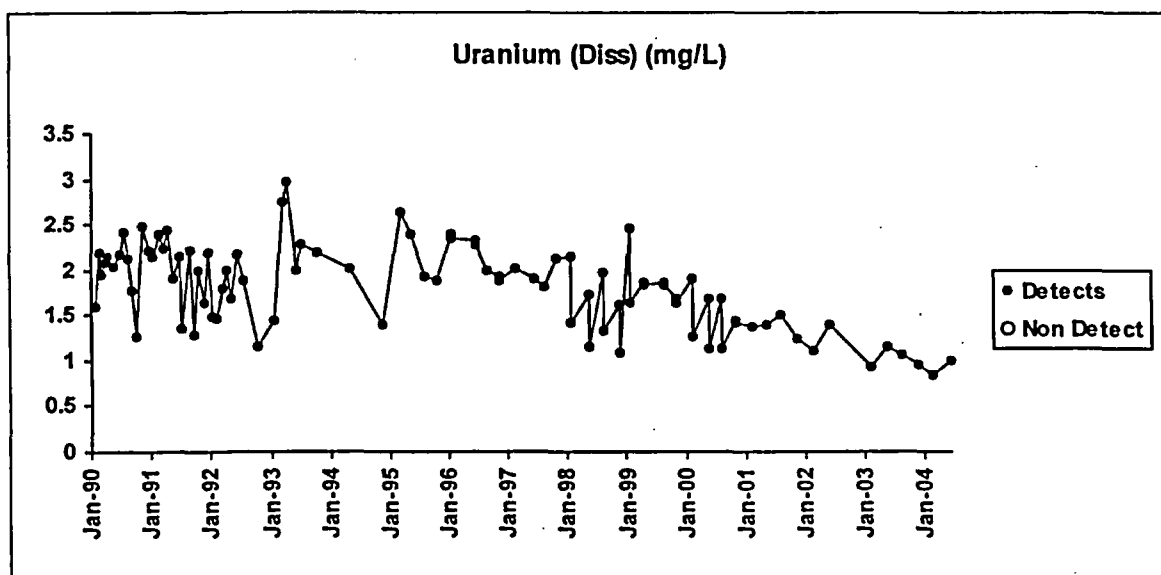
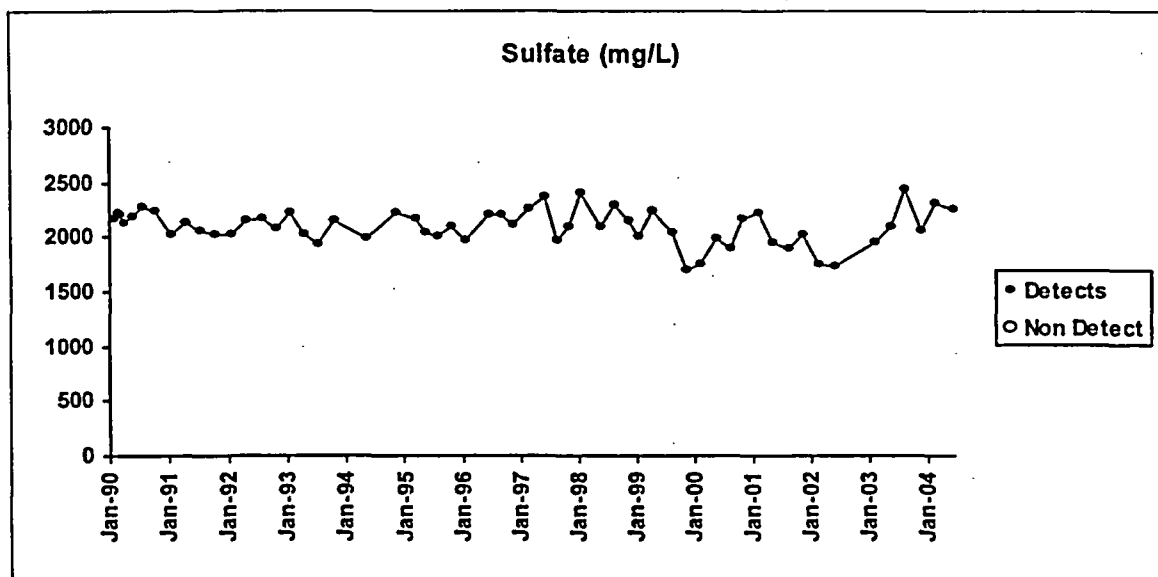
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WELL-4E



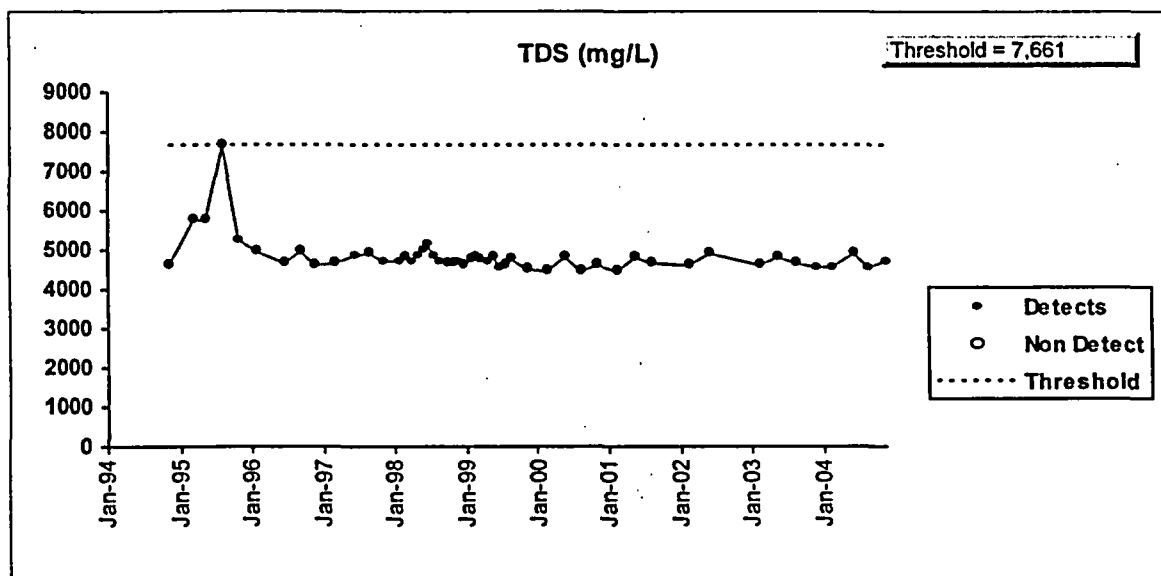
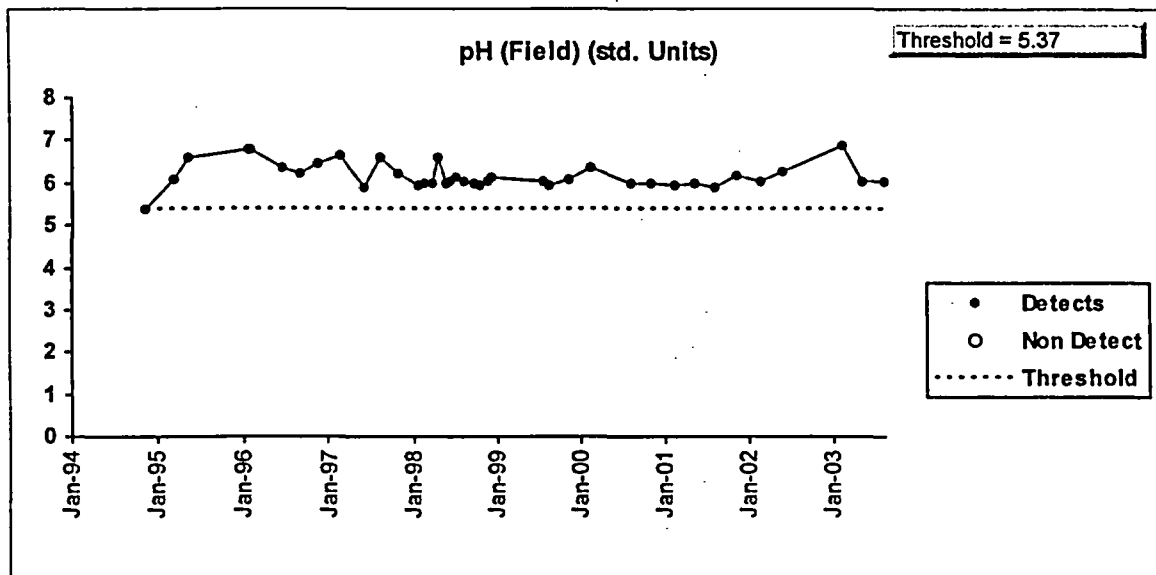
Jeffrey City

WELL-4E



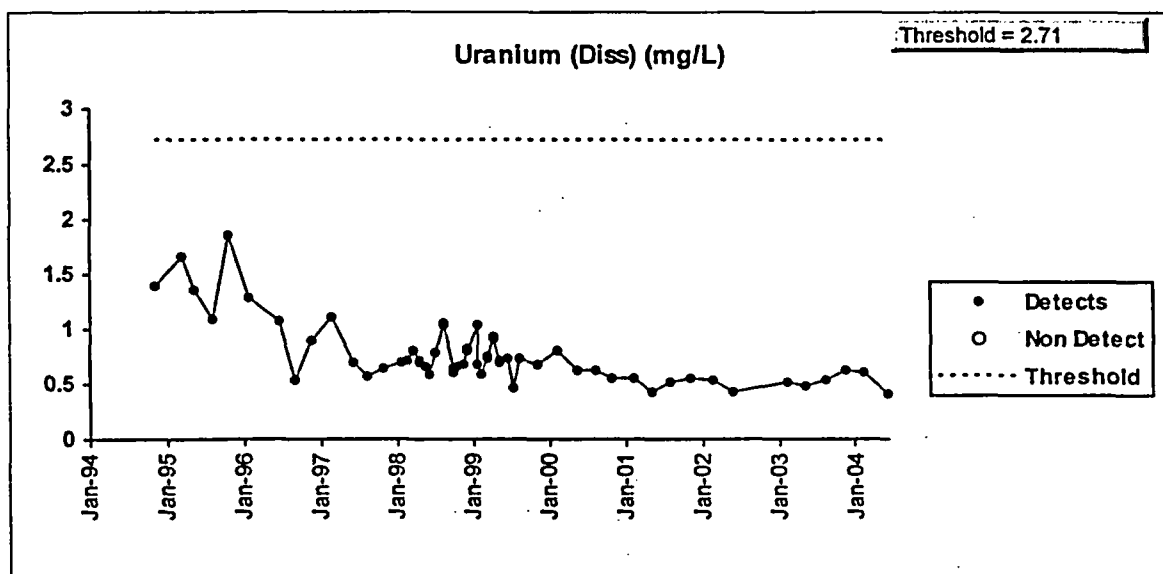
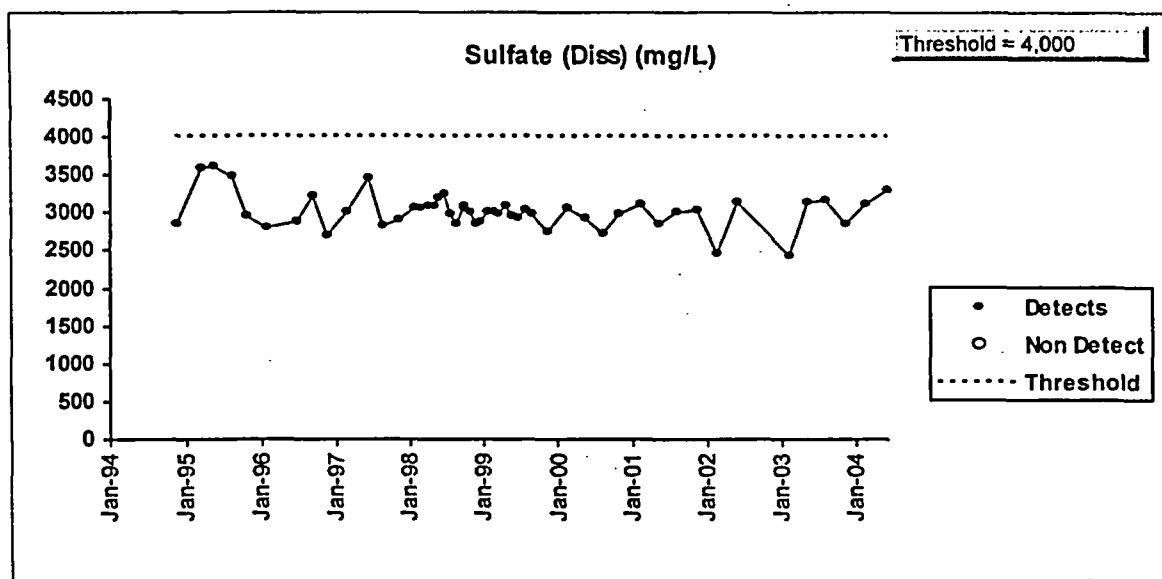
Jeffrey City

WELL-4R



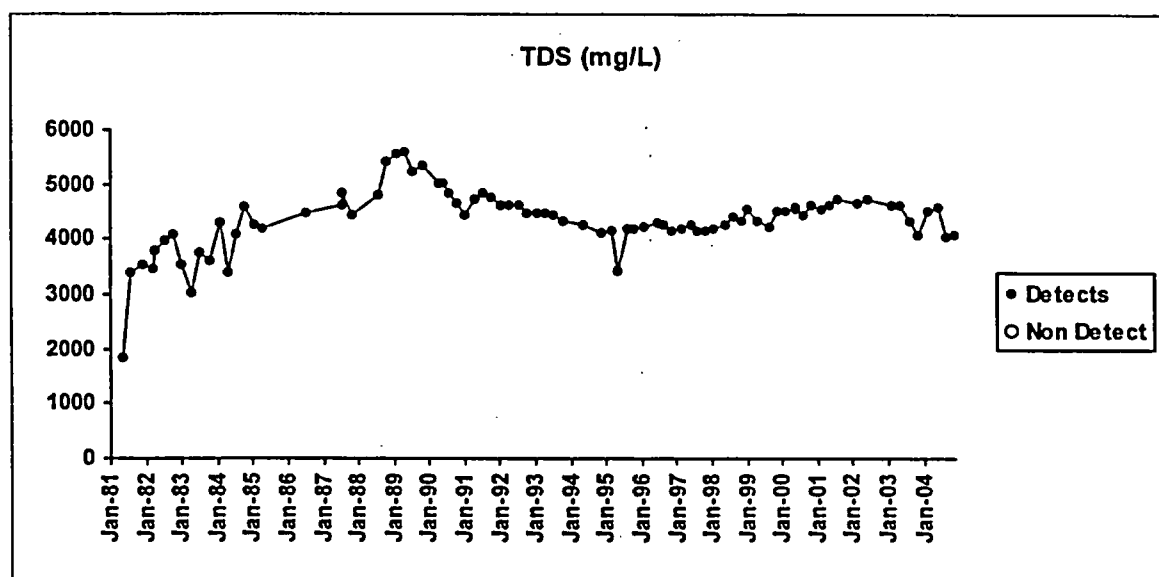
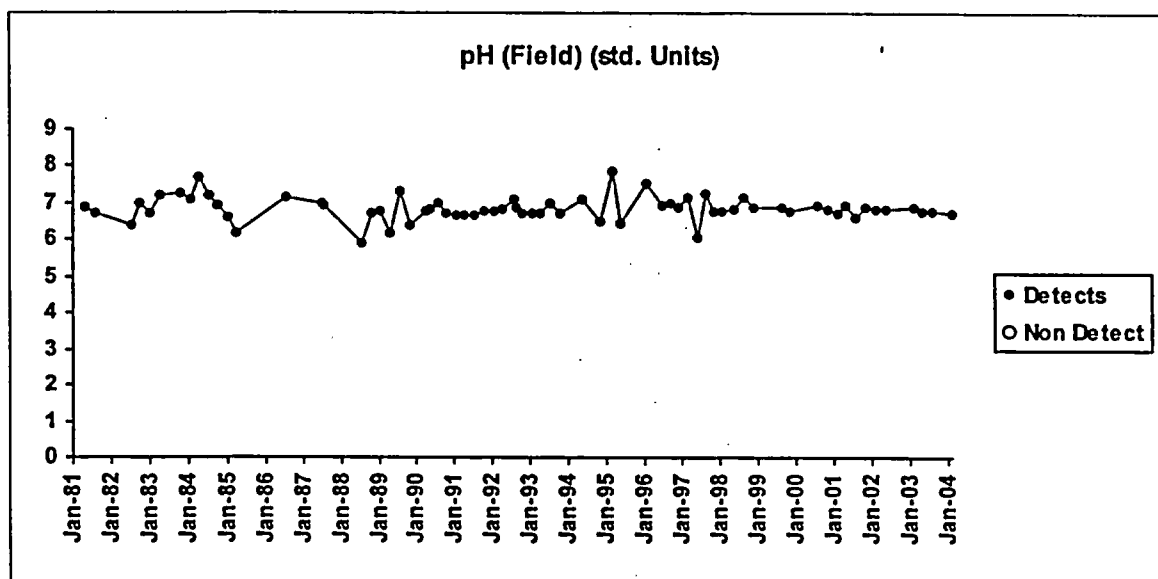
Jeffrey City

WELL-4R



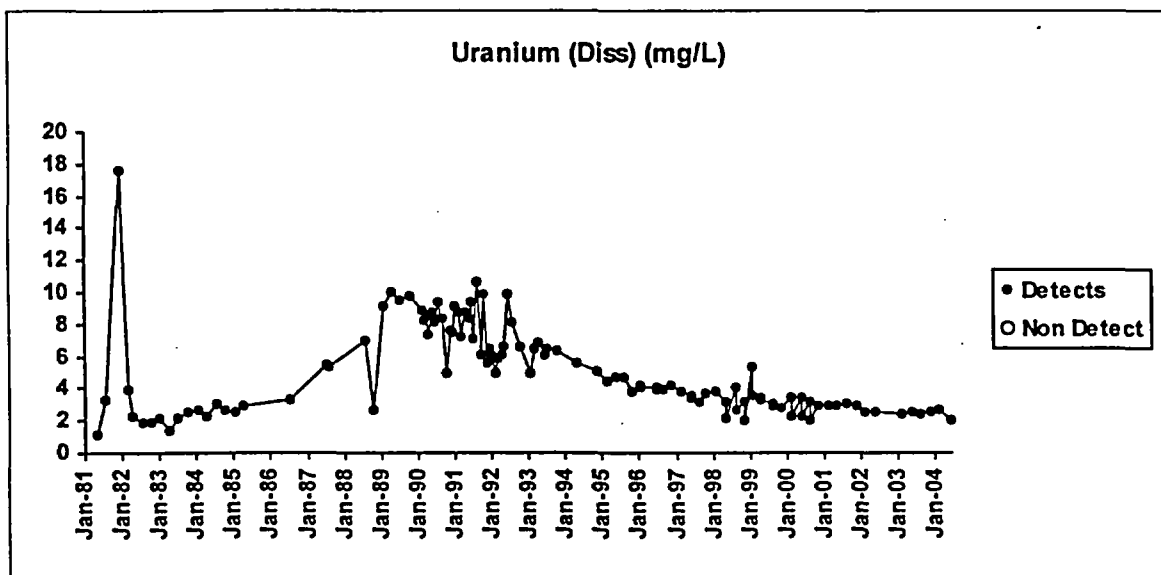
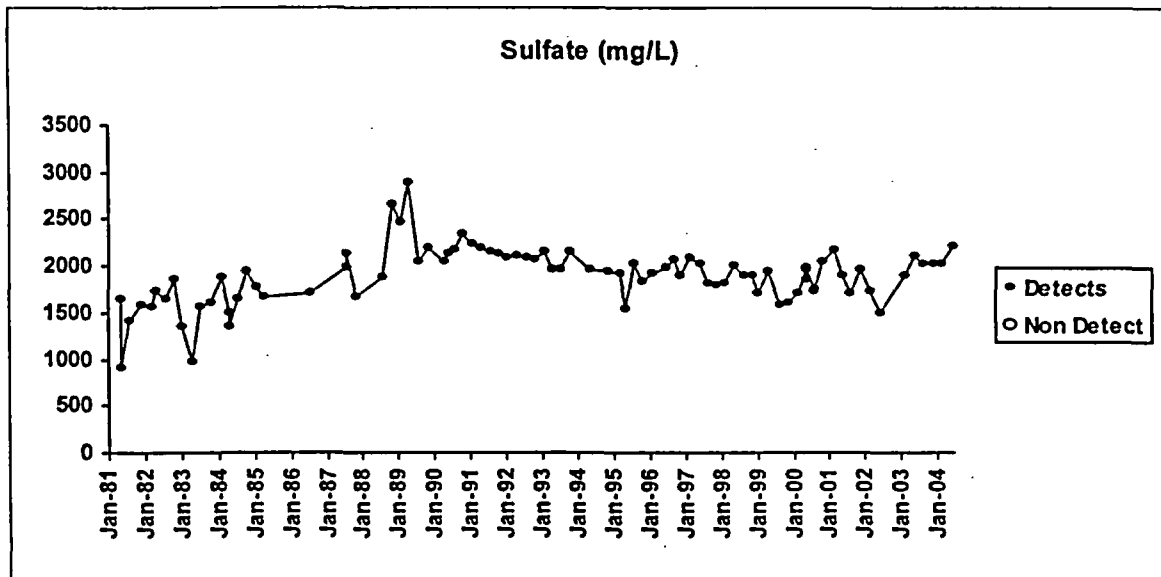
Jeffrey City

WELL-5



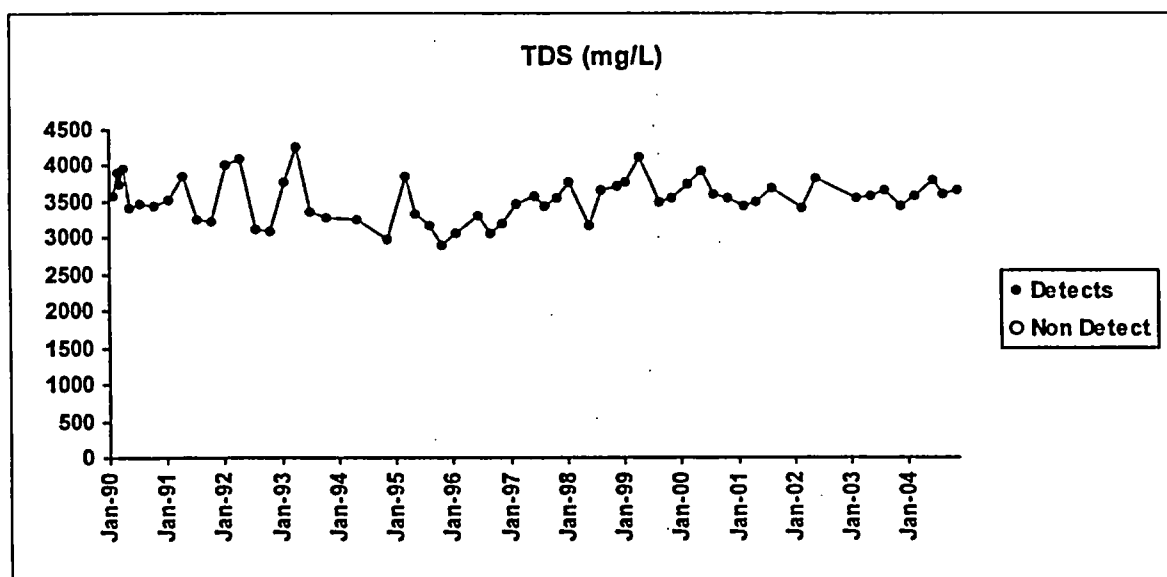
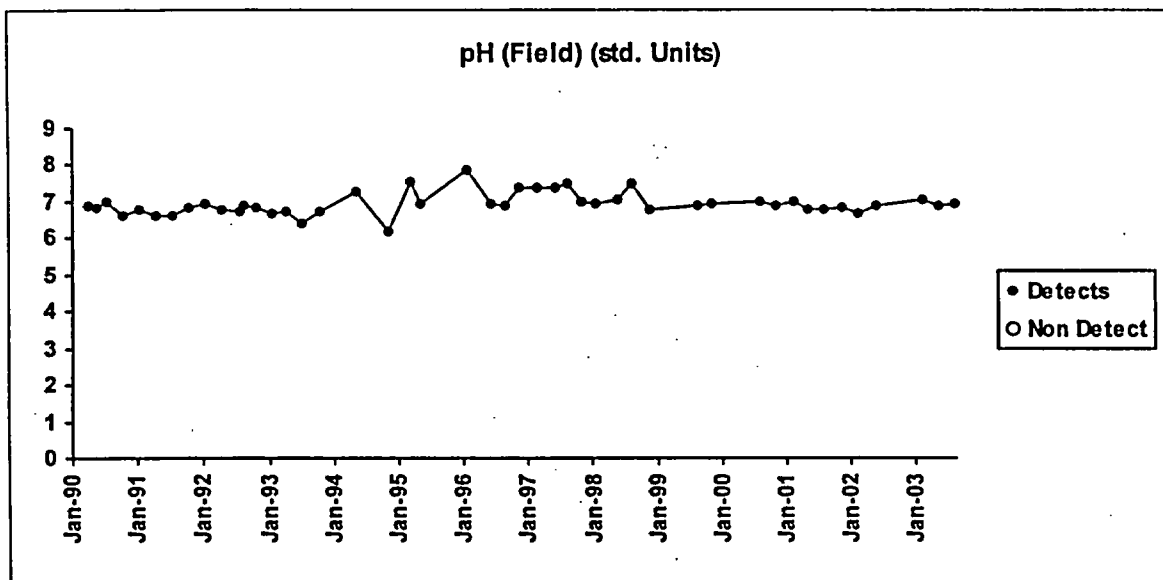
Jeffrey City

WELL-5



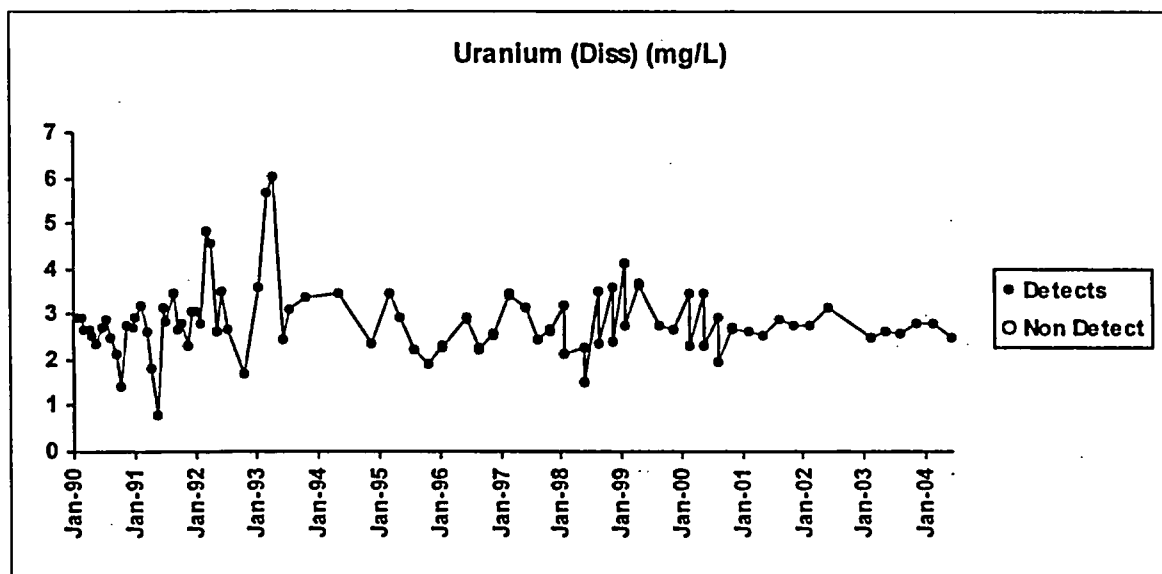
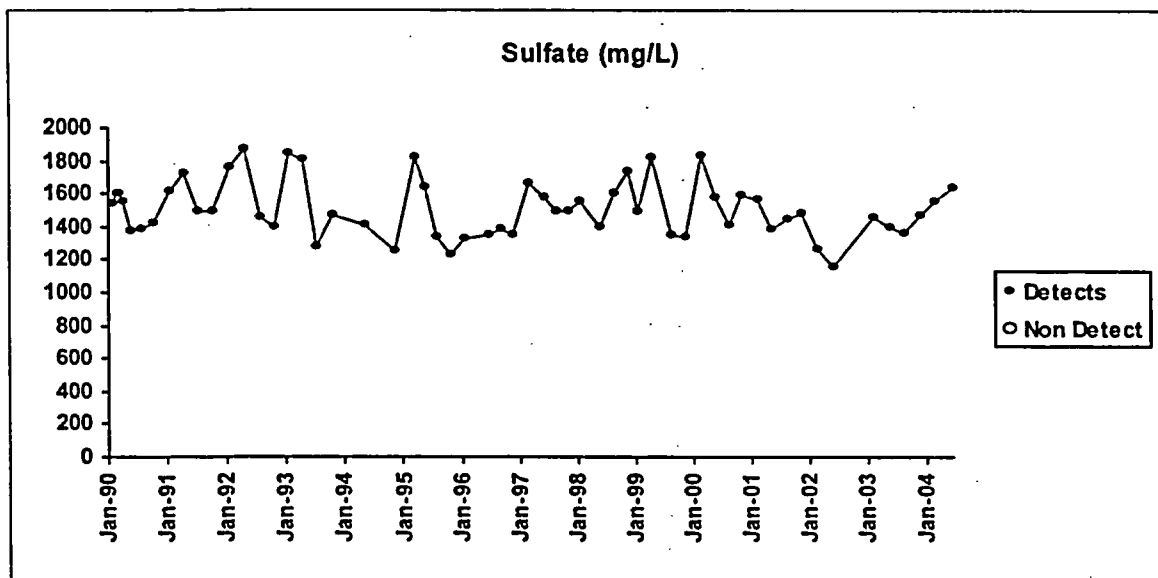
Jeffrey City

WELL-5E



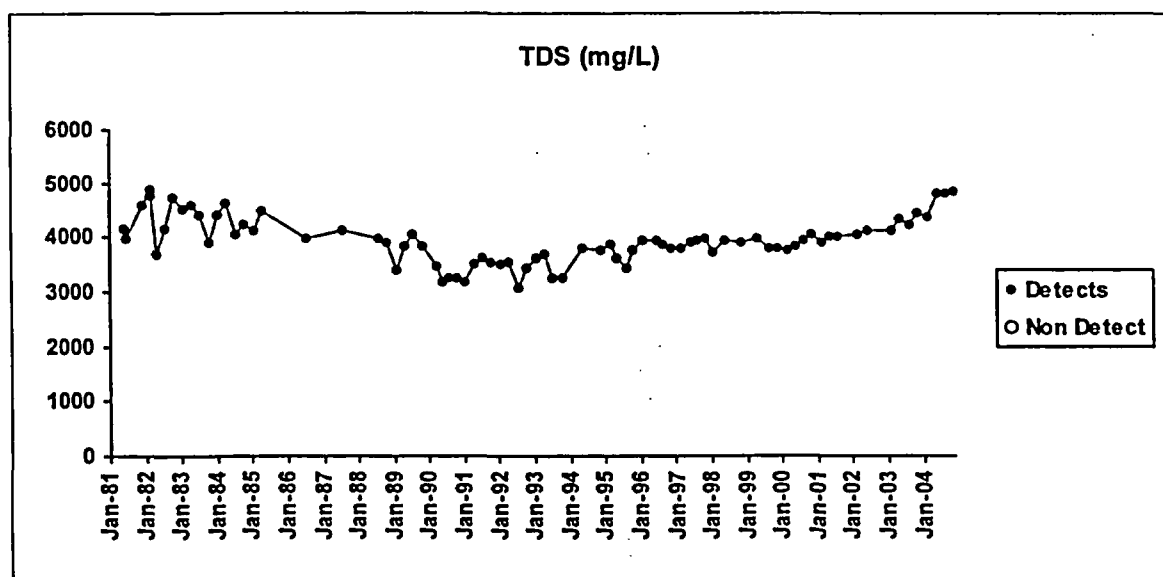
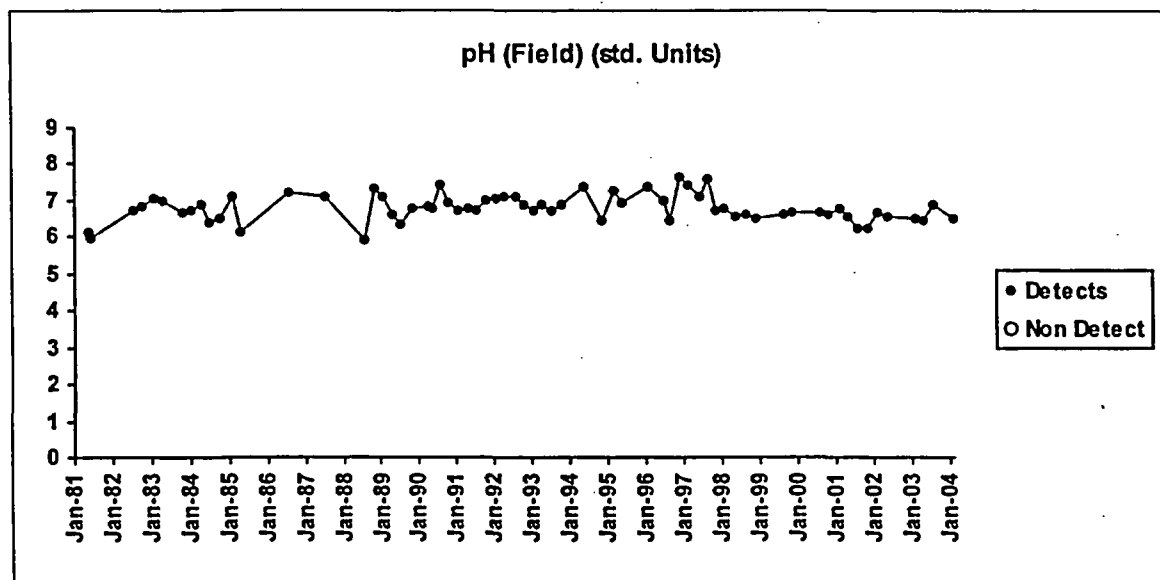
Jeffrey City

WELL-5E



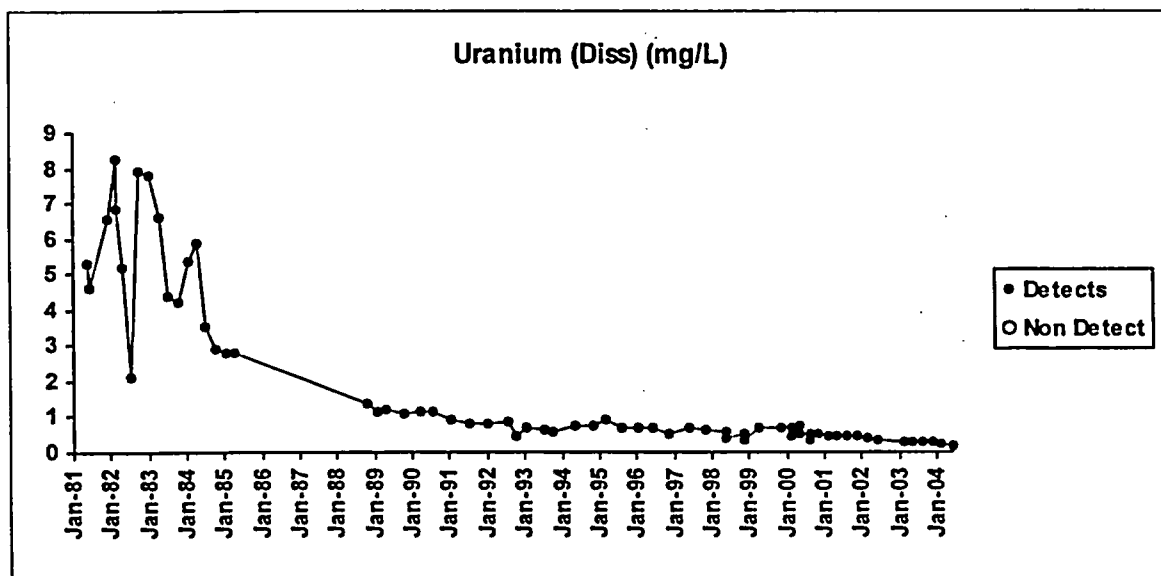
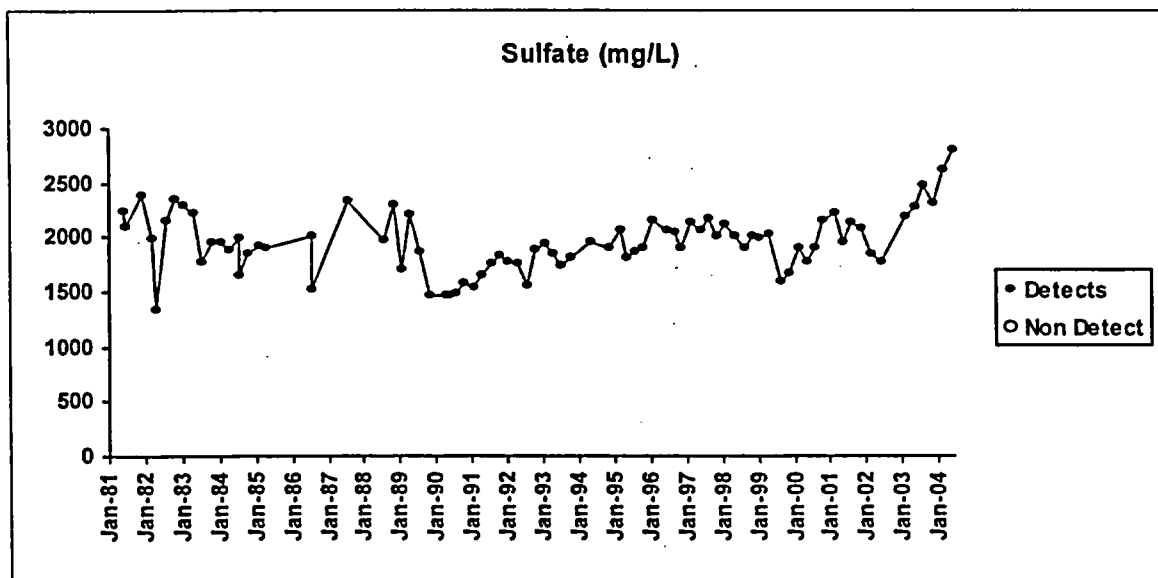
Jeffrey City

WELL-7



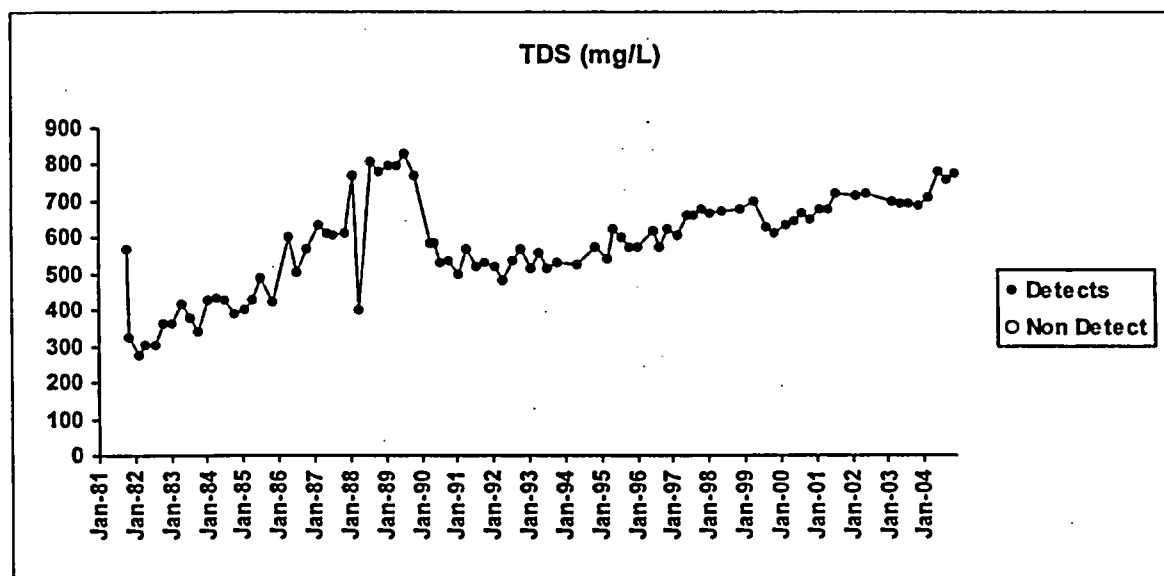
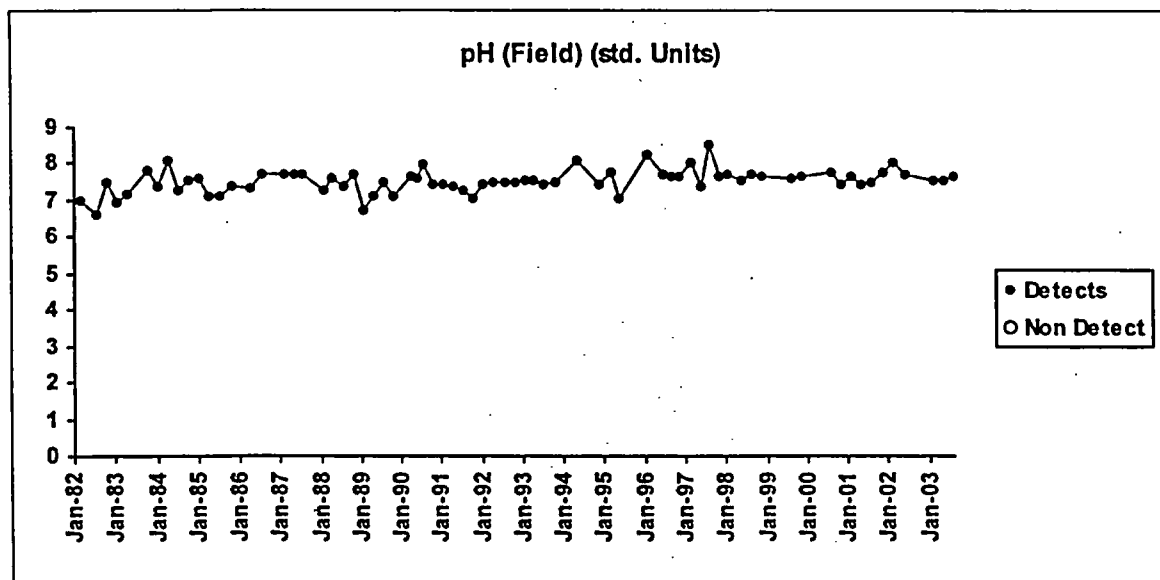
Jeffrey City

WELL-7



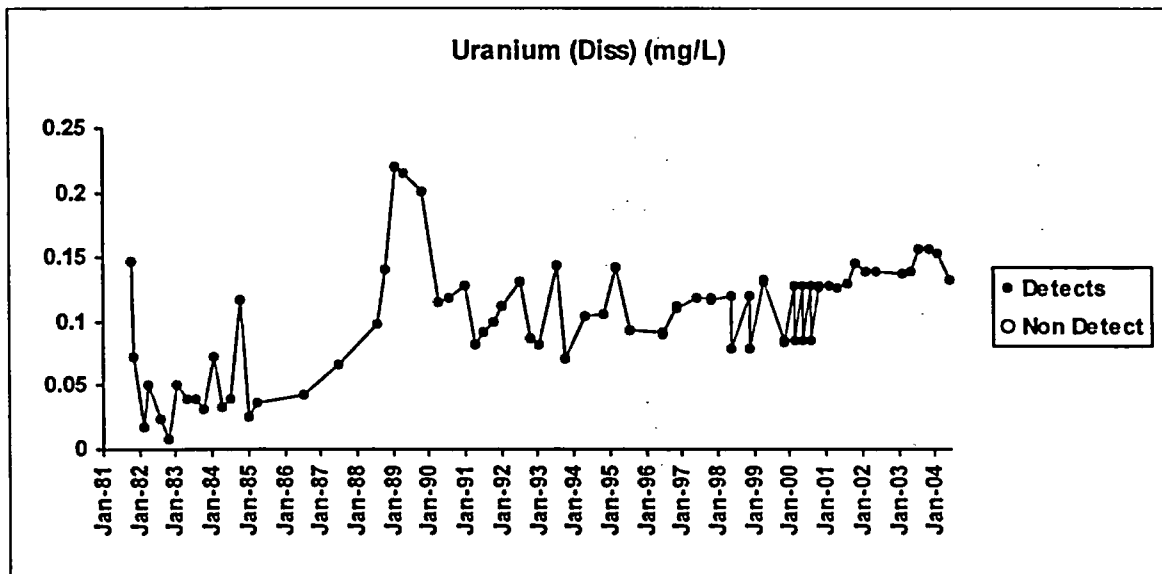
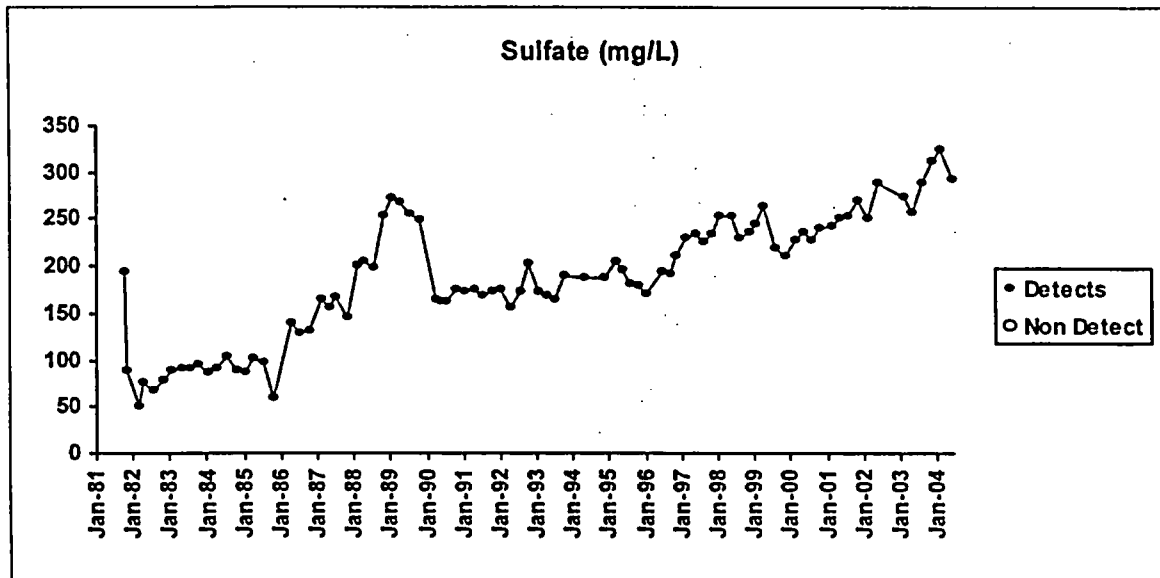
Jeffrey City

WN-15



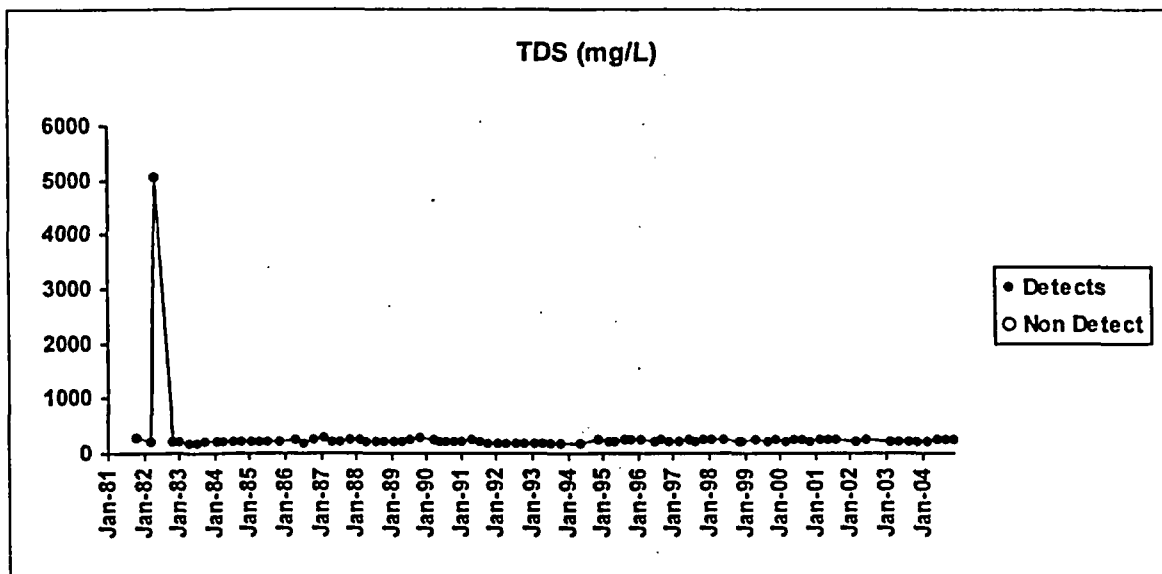
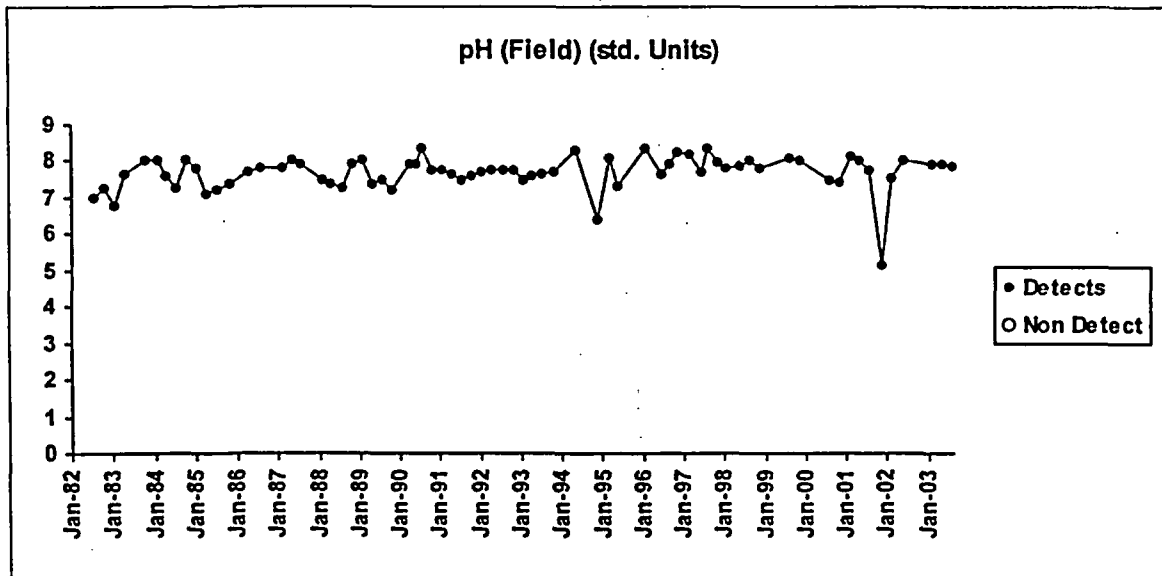
Jeffrey City

WN-15



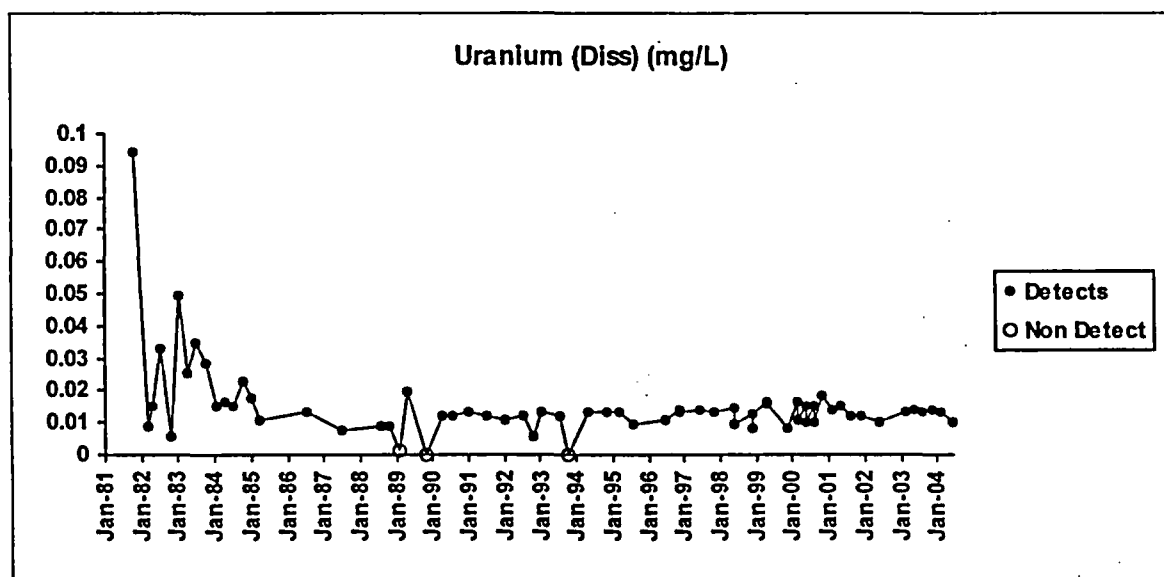
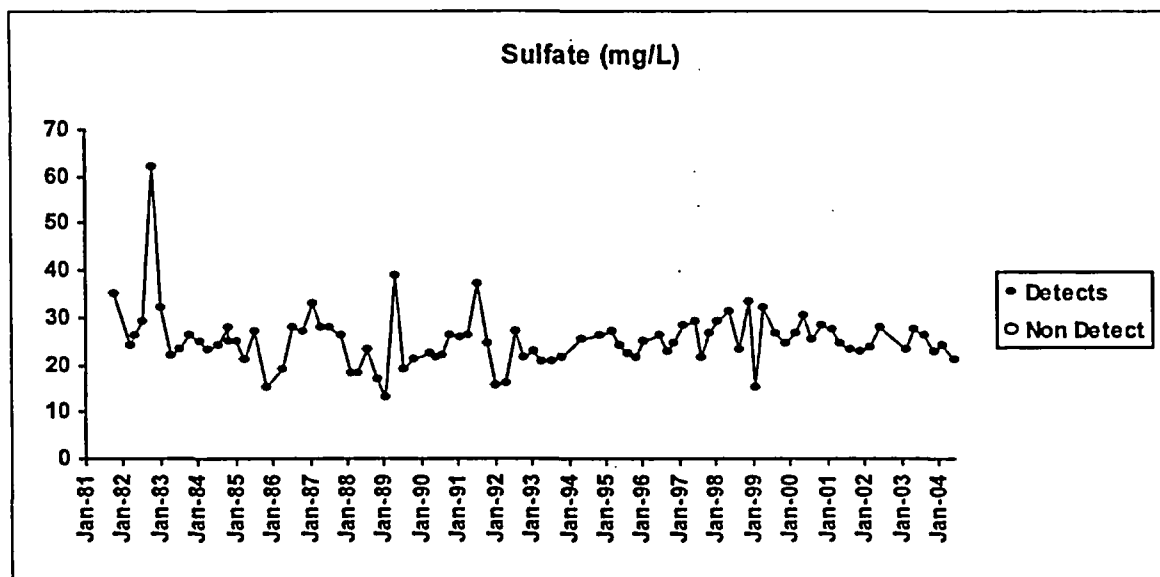
Jeffrey City

WN-16



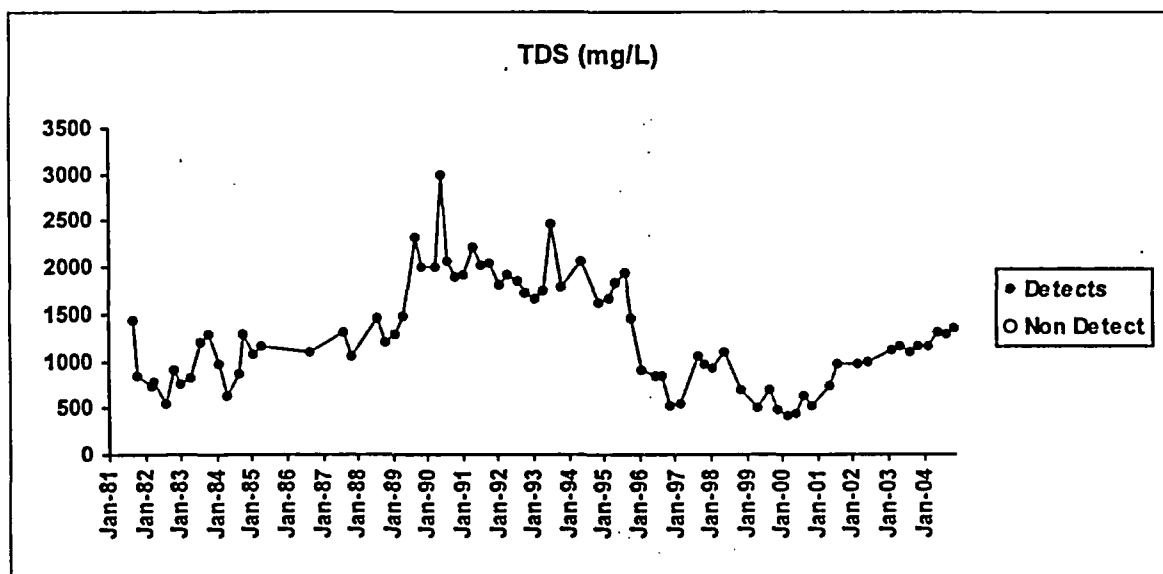
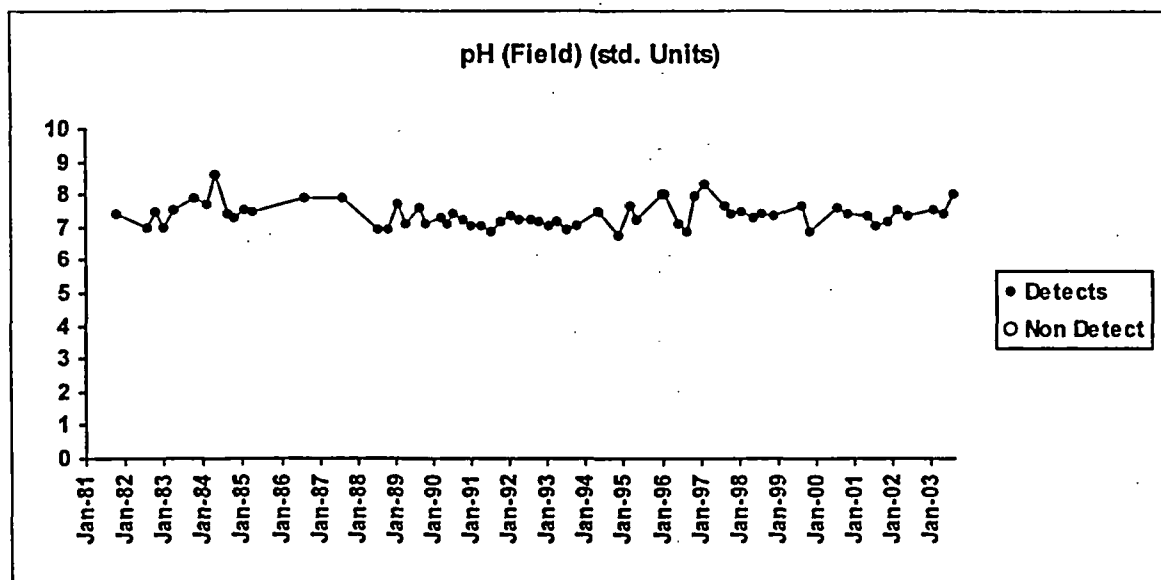
Jeffrey City

WN-16



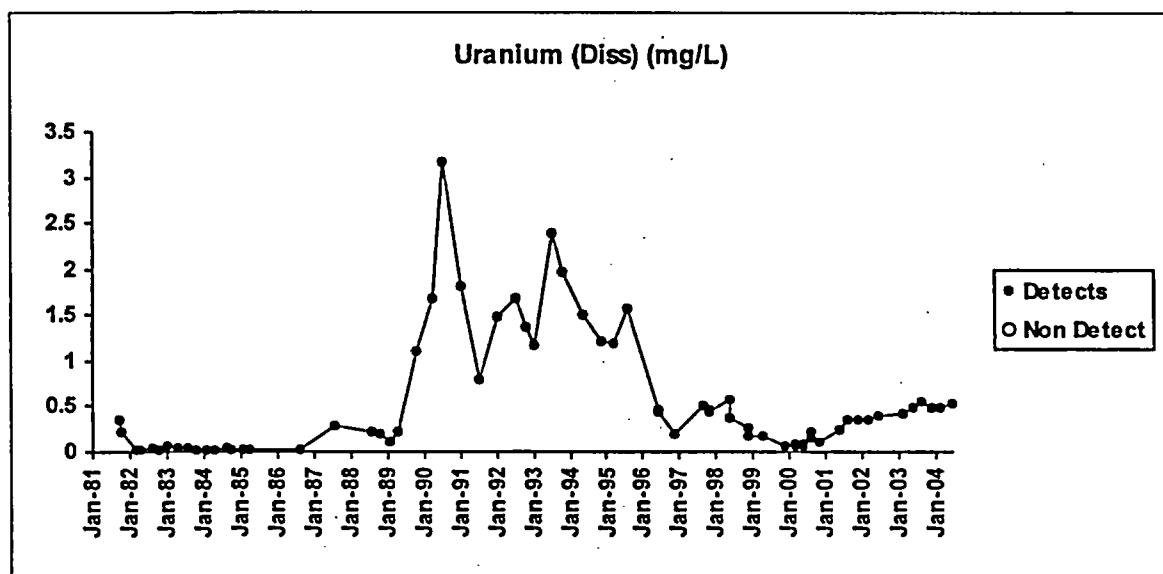
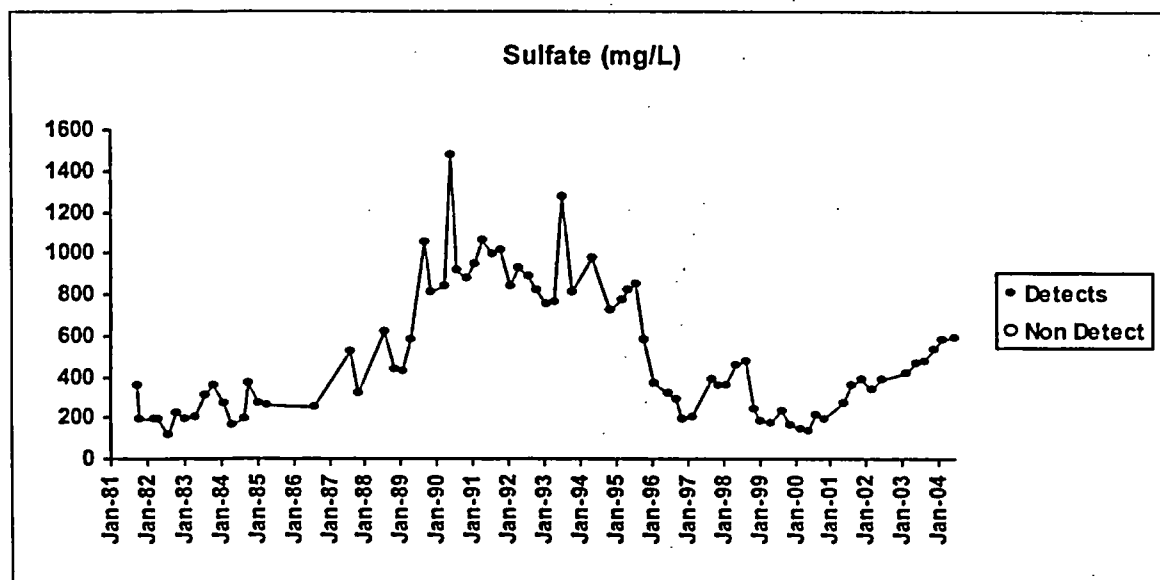
Jeffrey City

WN-19



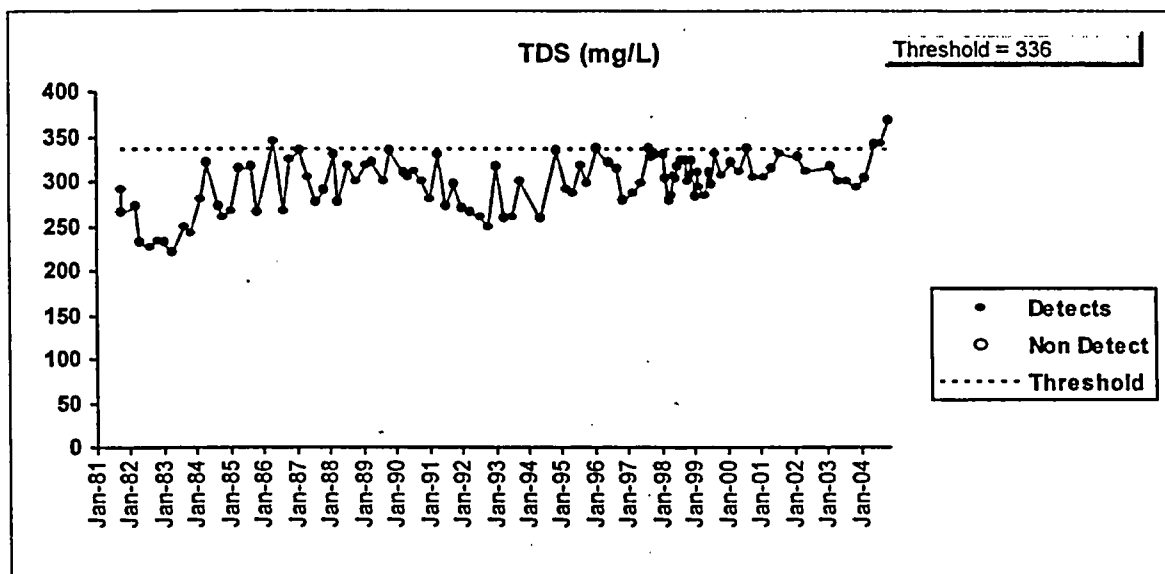
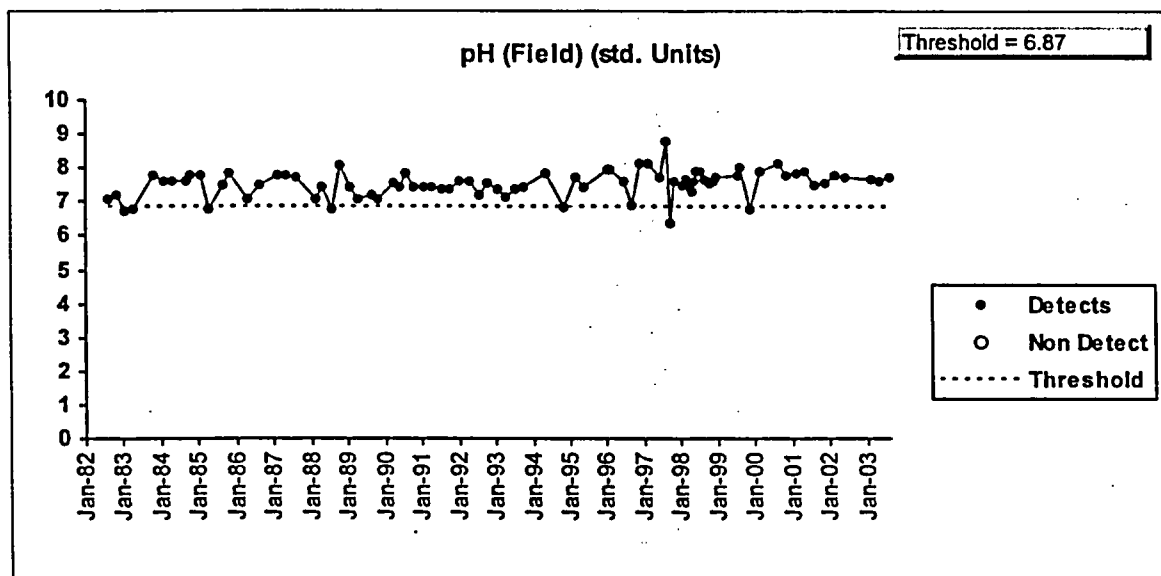
Jeffrey City

WN-19



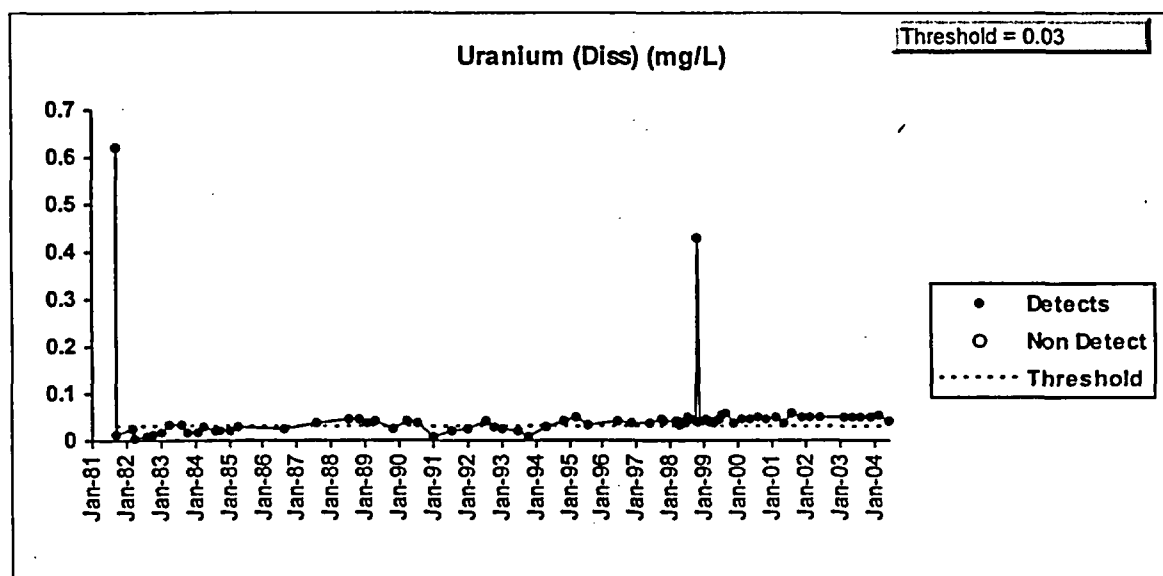
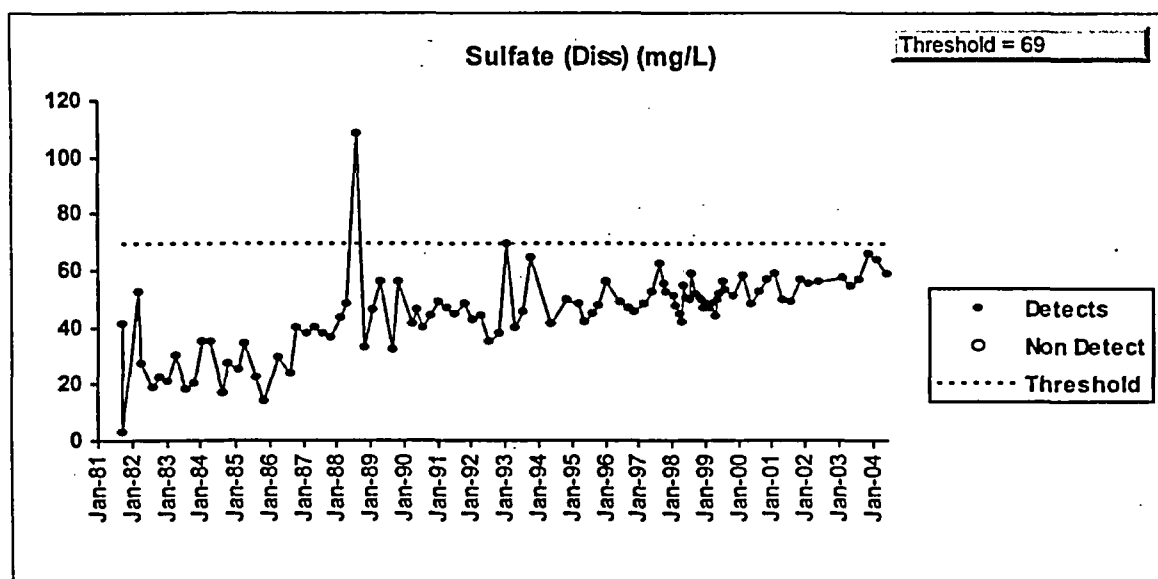
Jeffrey City

WN-17



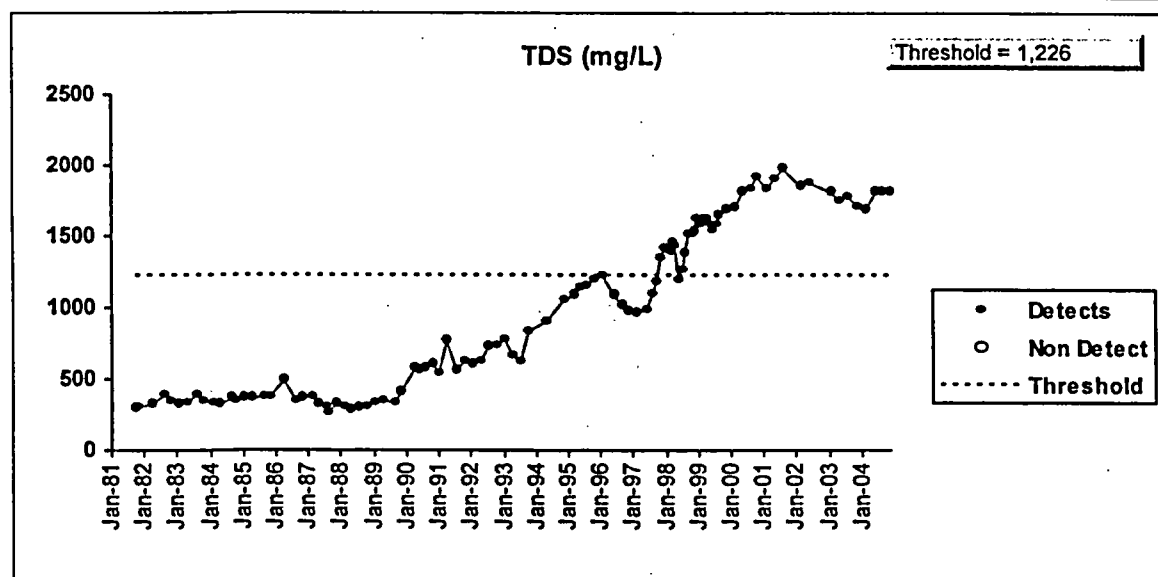
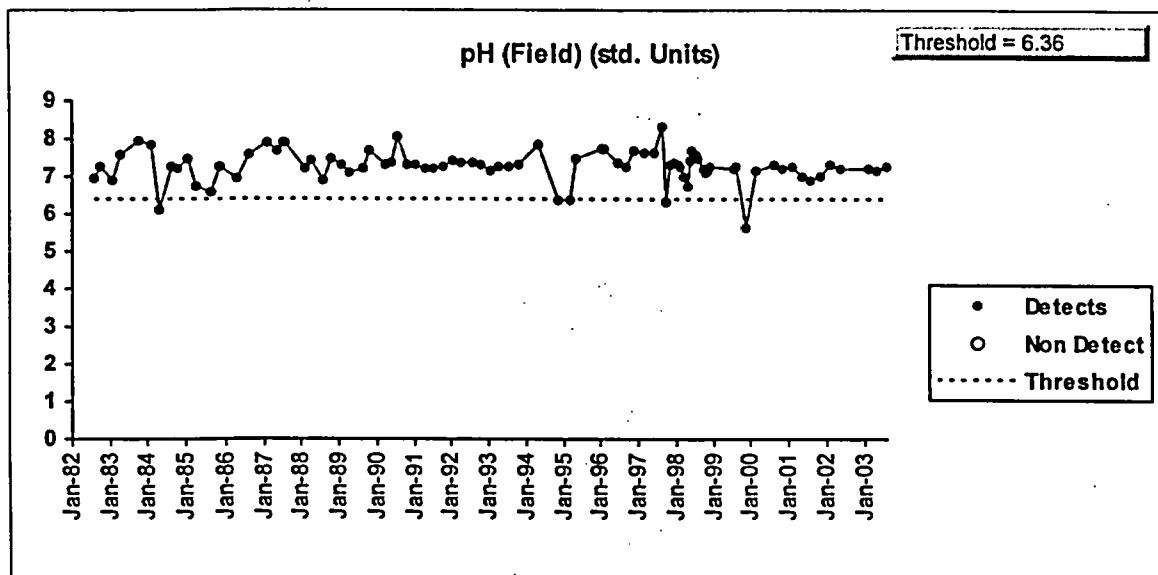
Jeffrey City

WN-17



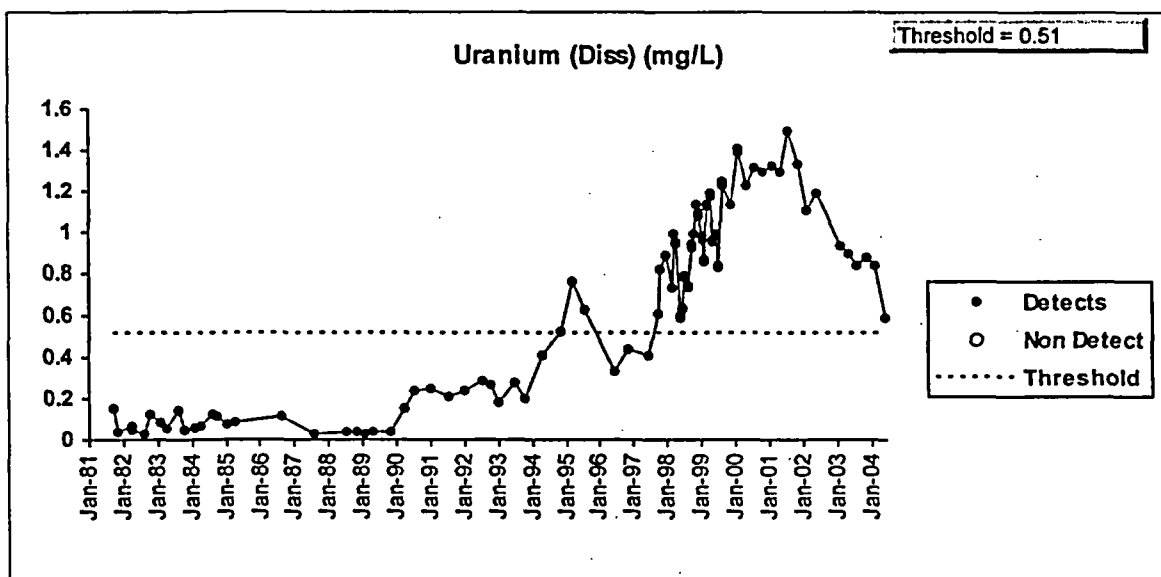
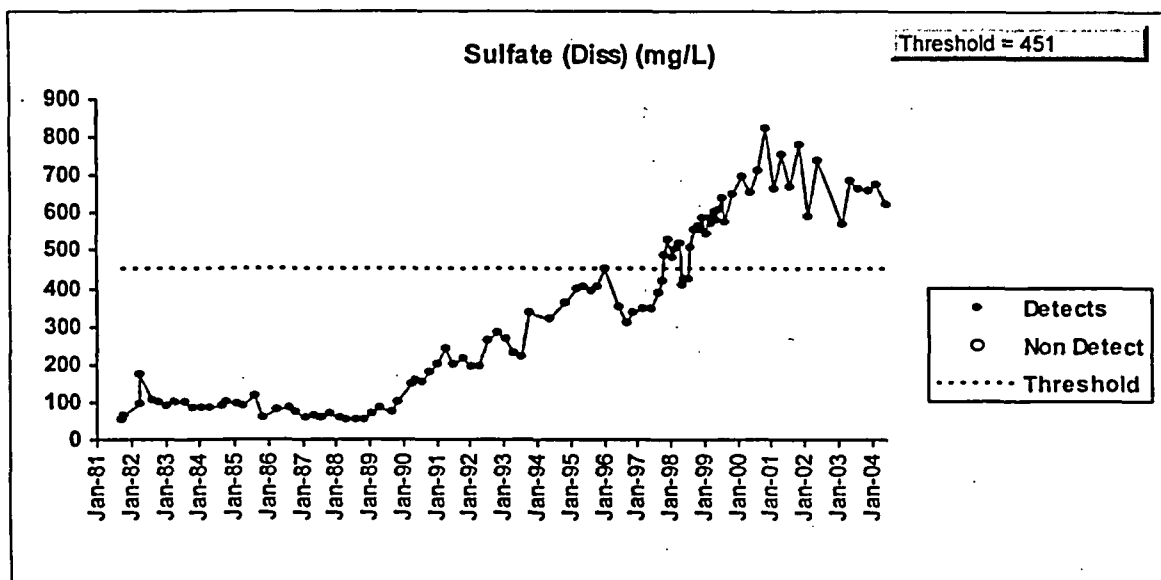
Jeffrey City

WN-18



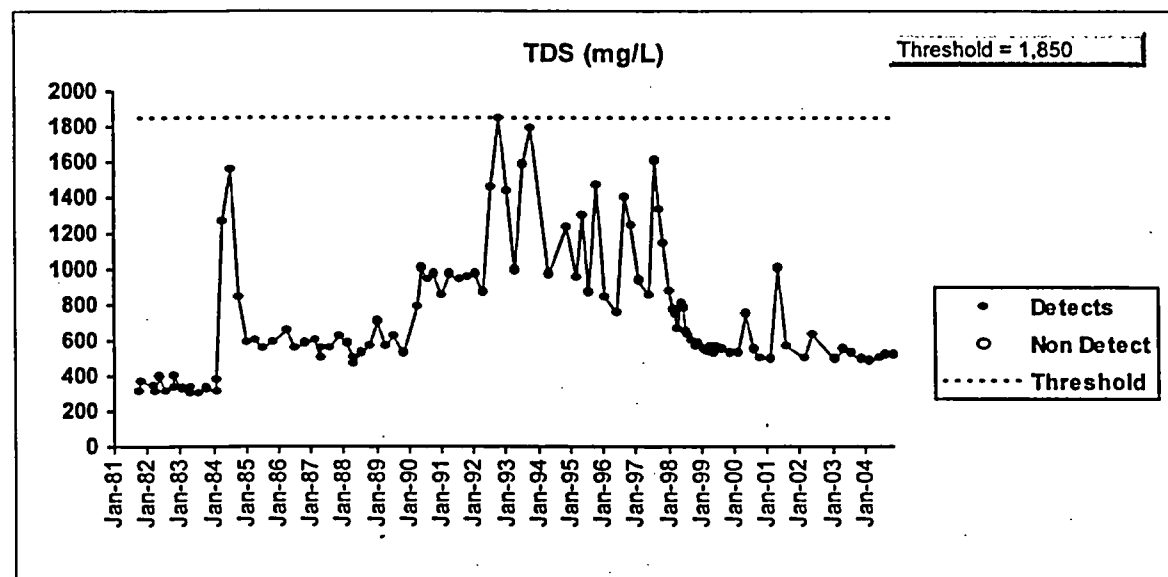
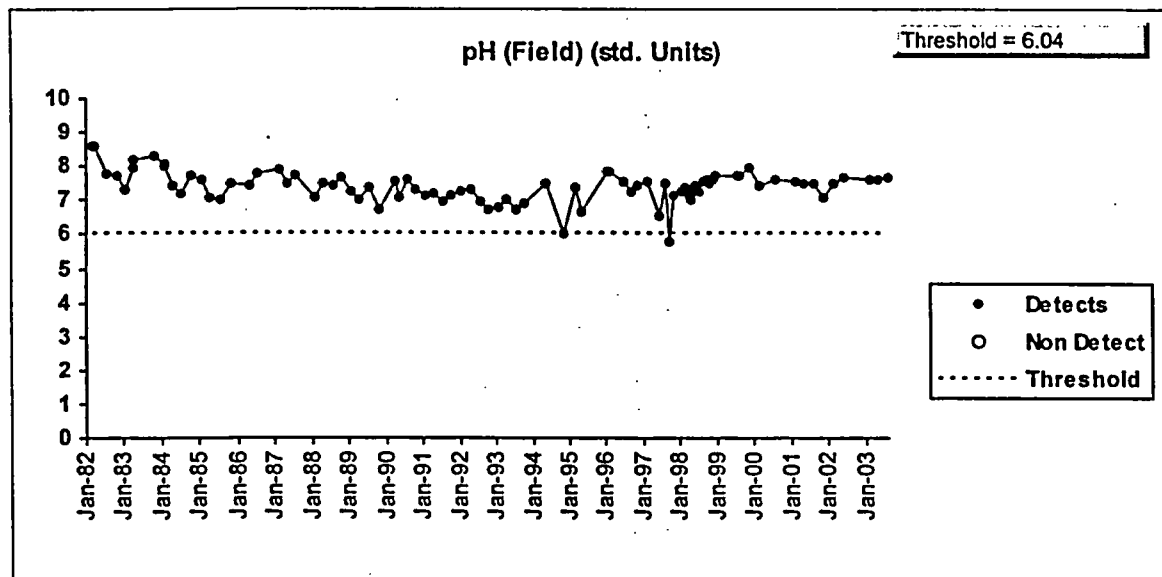
Jeffrey City

WN-18



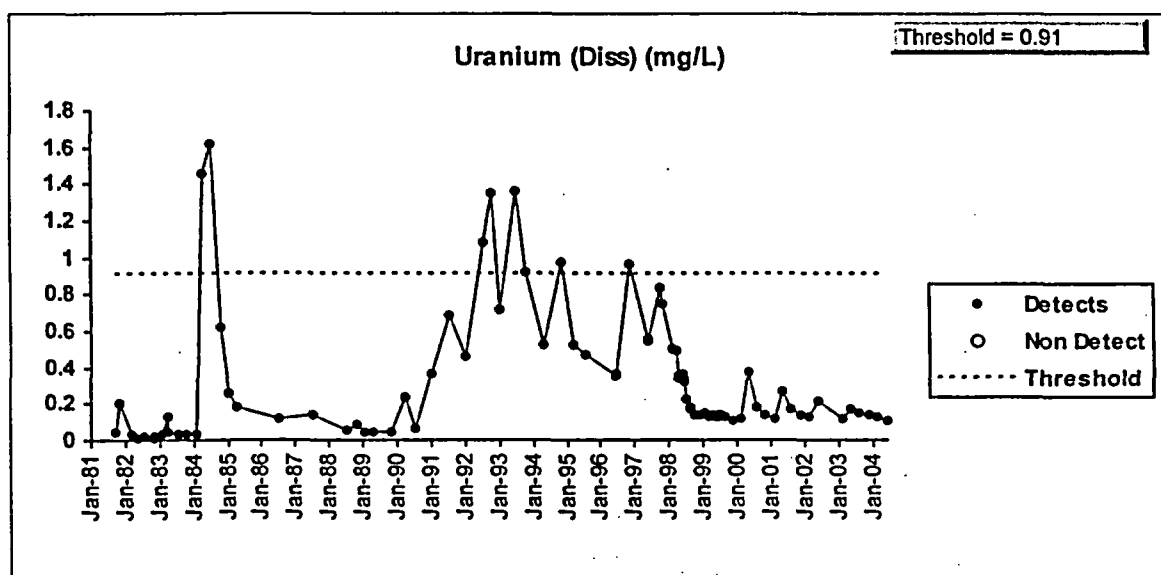
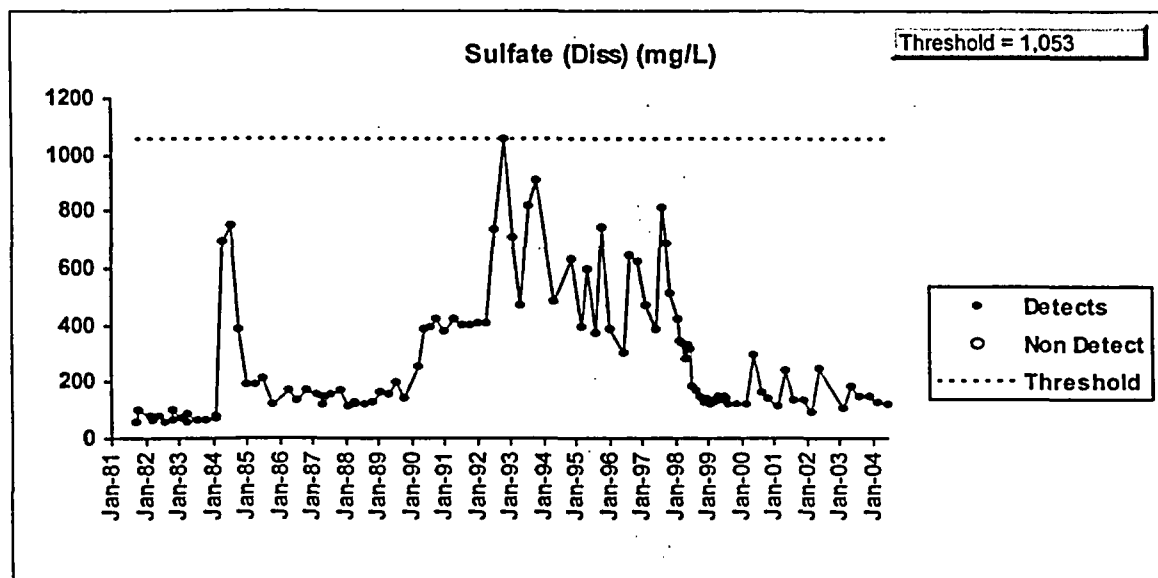
Jeffrey City

WN-21 (POC)



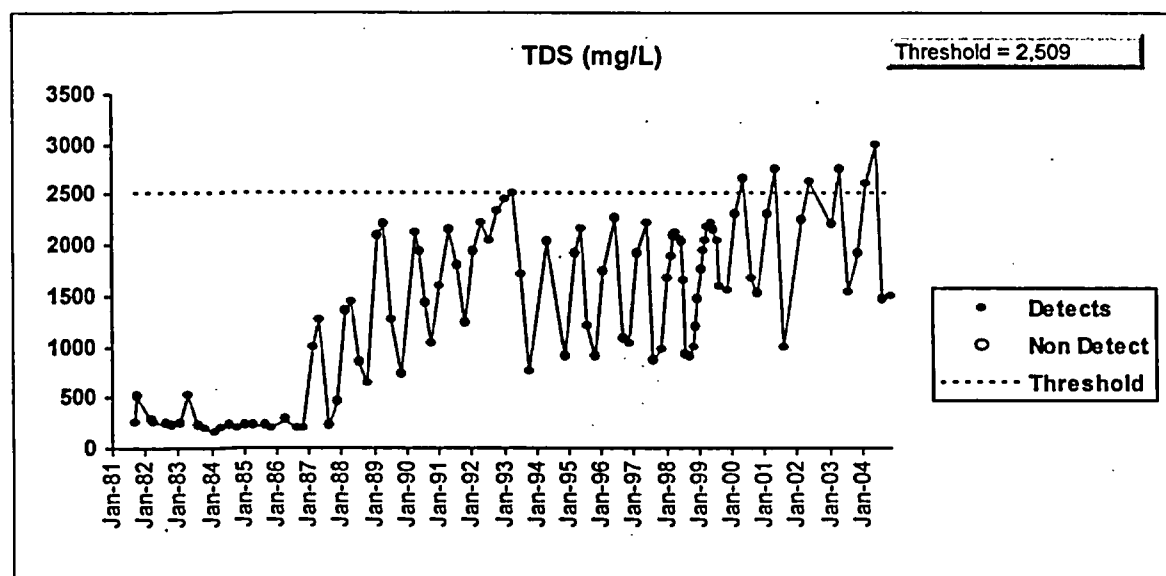
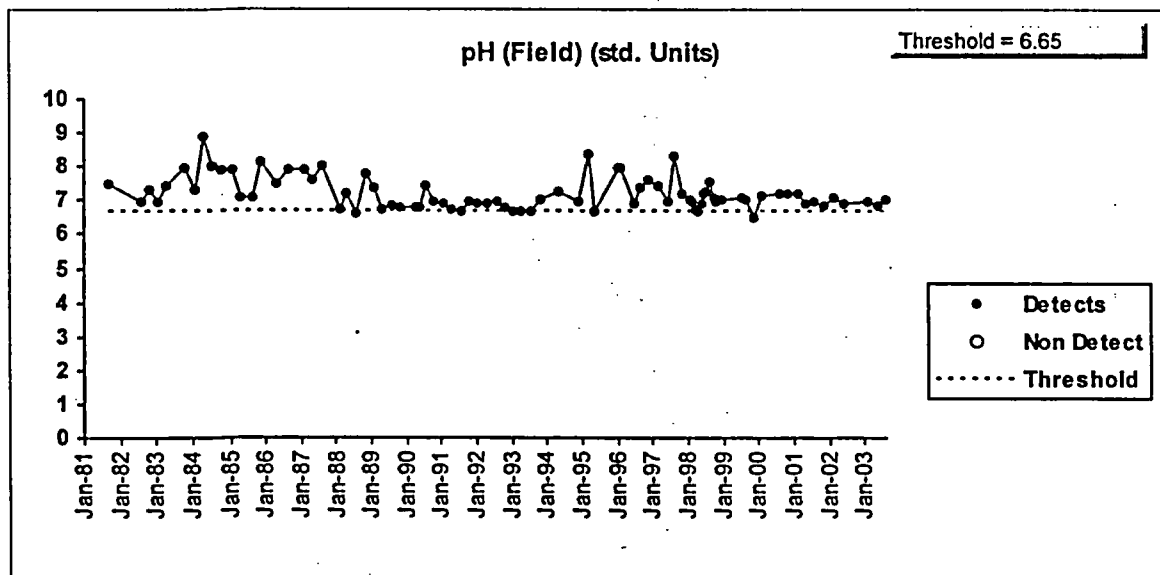
Jeffrey City

WN-21 (POC)



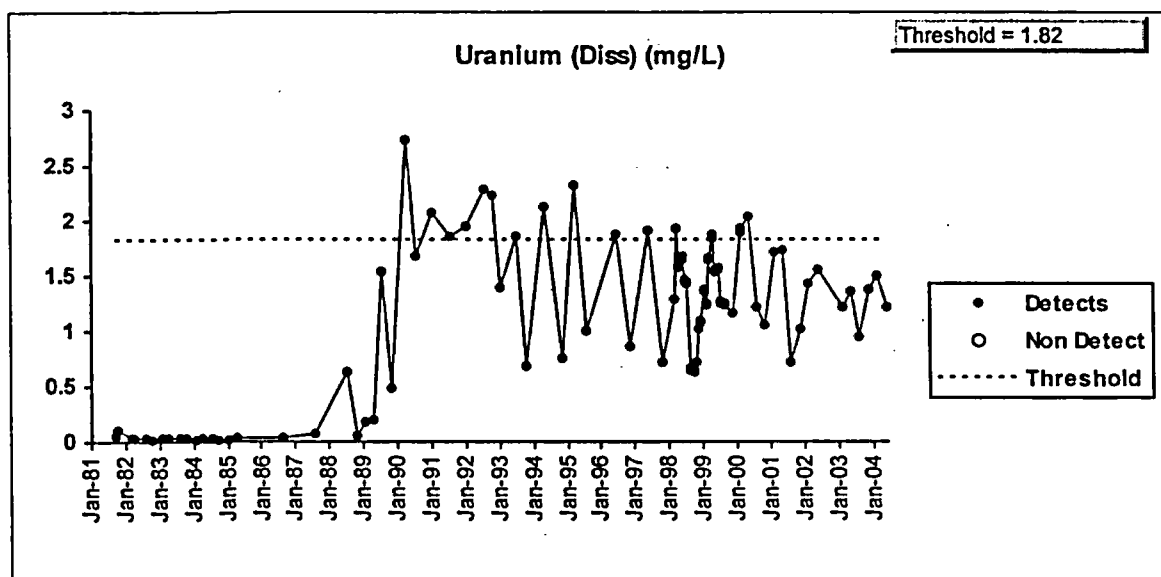
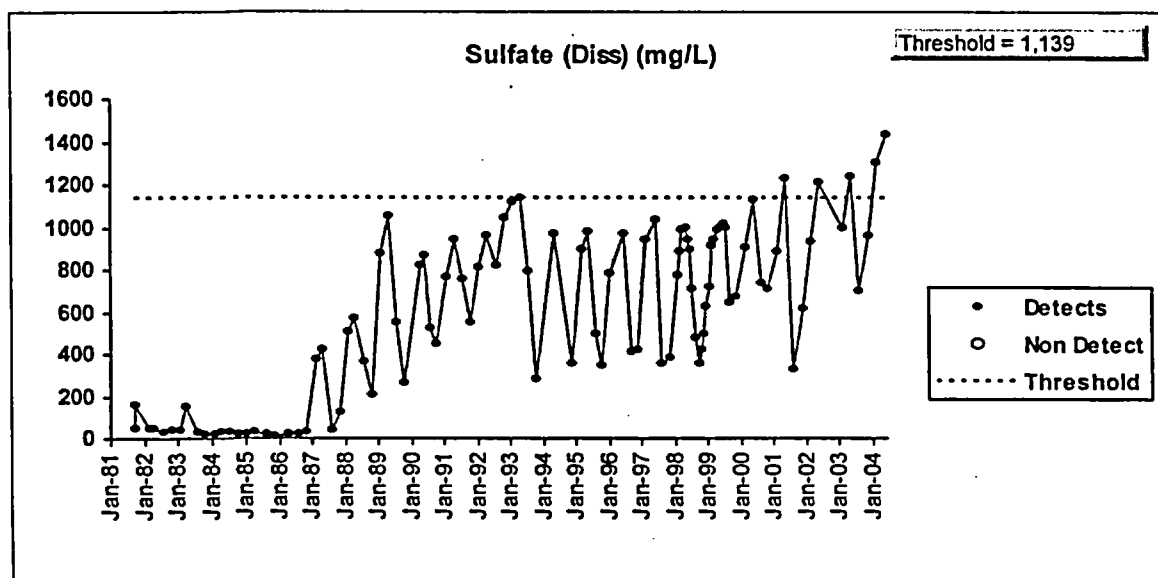
Jeffrey City

WN-23



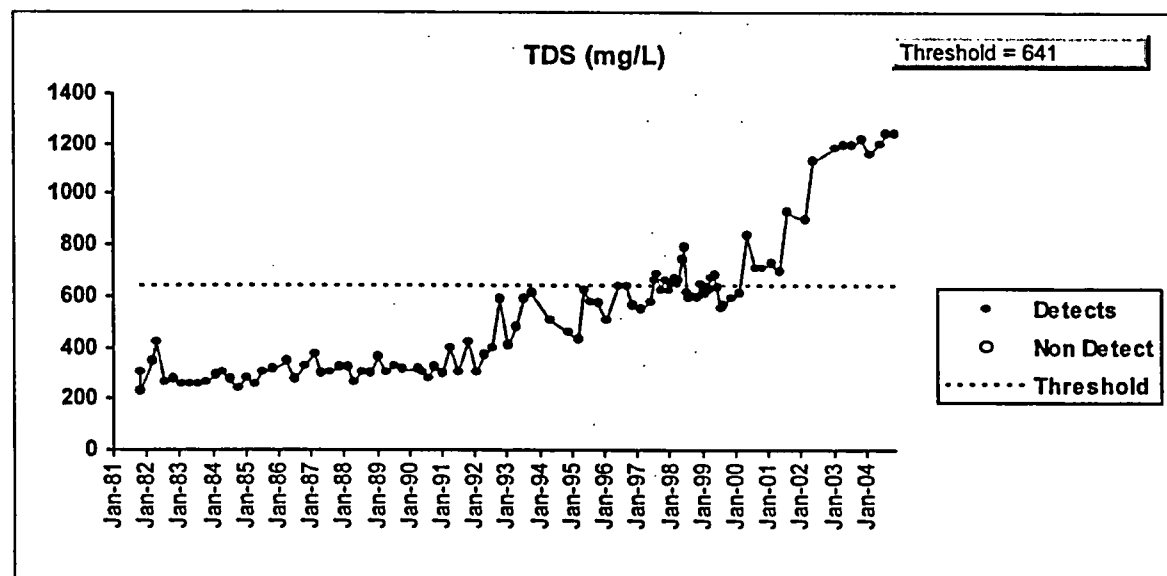
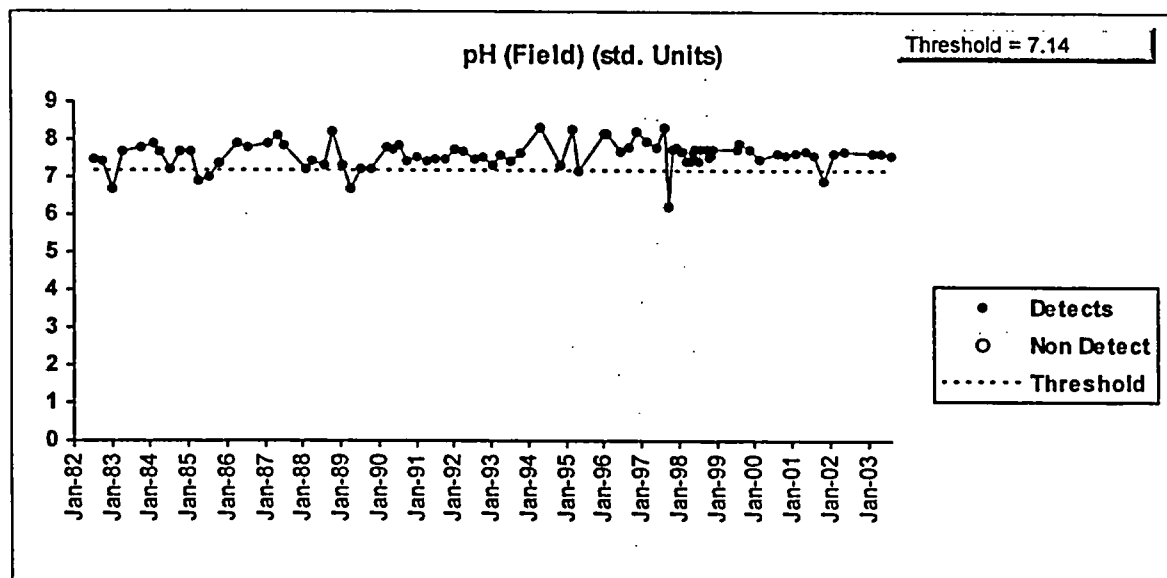
Jeffrey City

WN-23



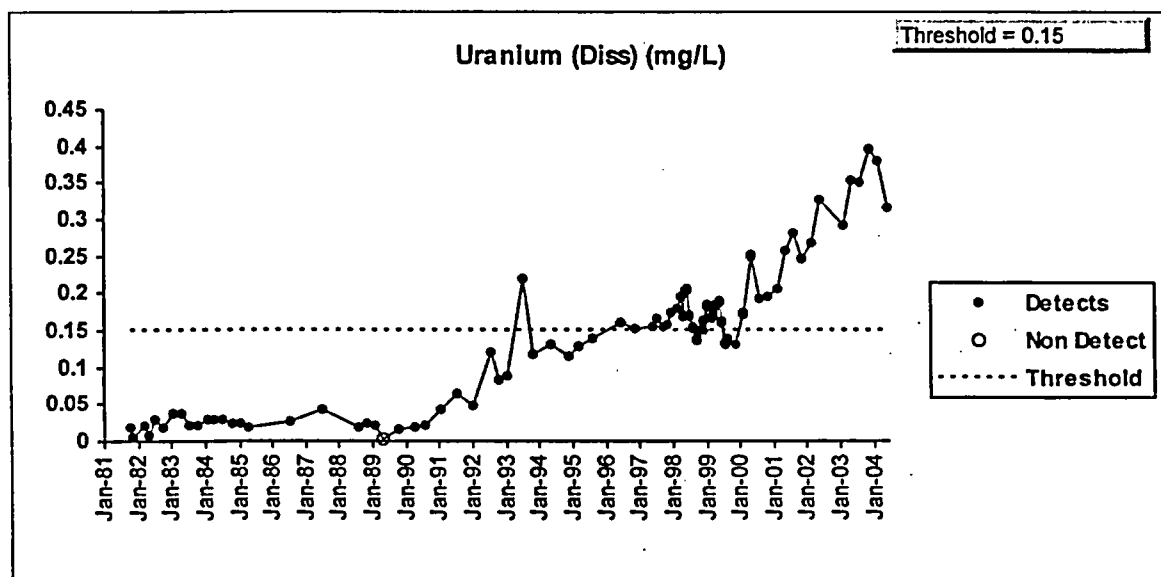
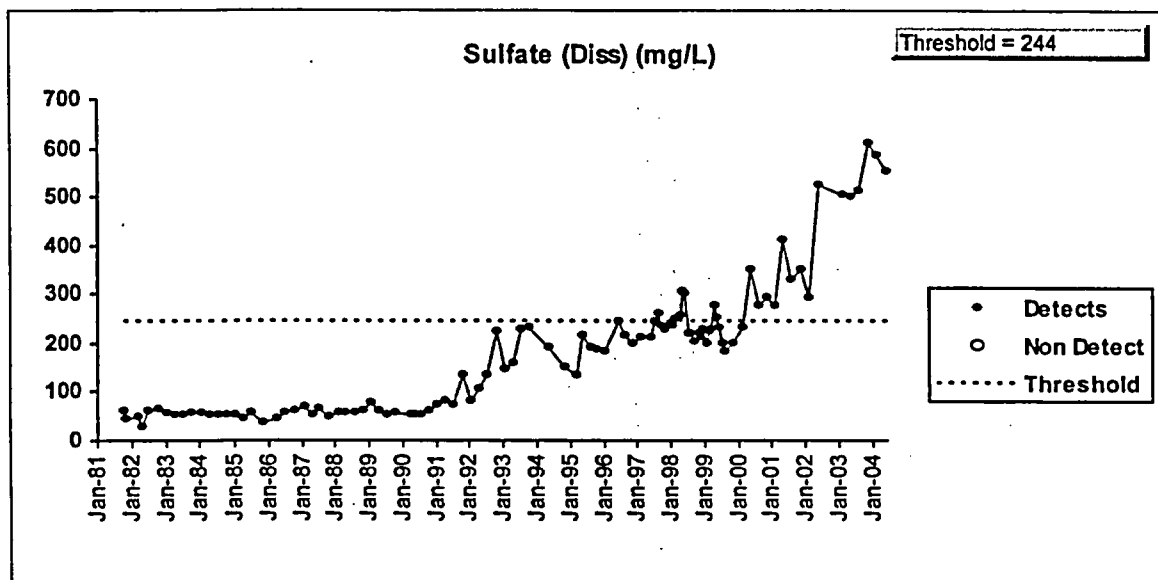
Jeffrey City

WN-24



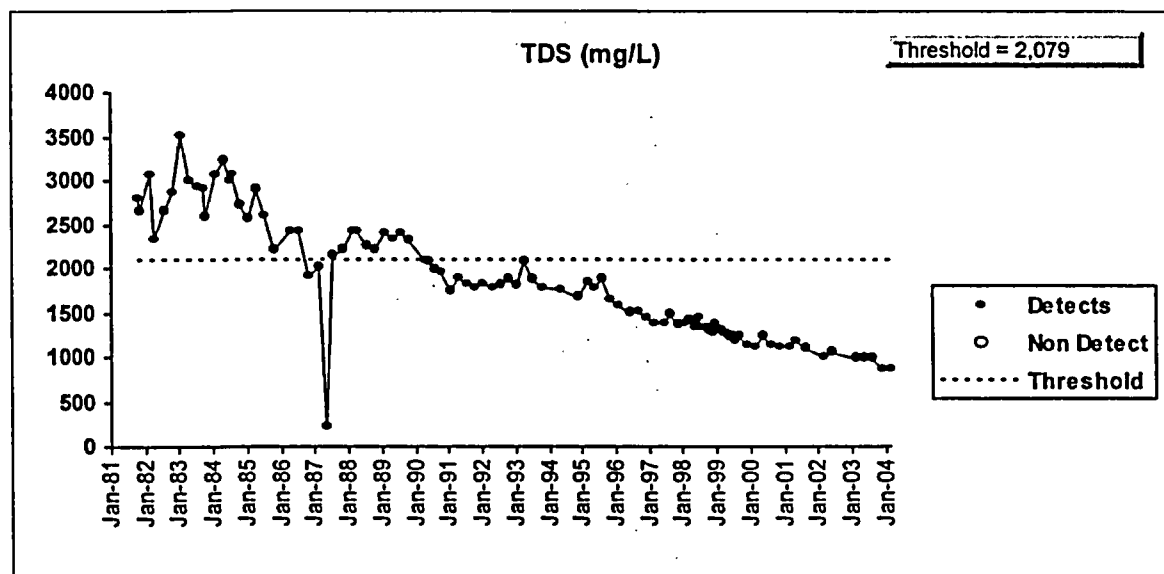
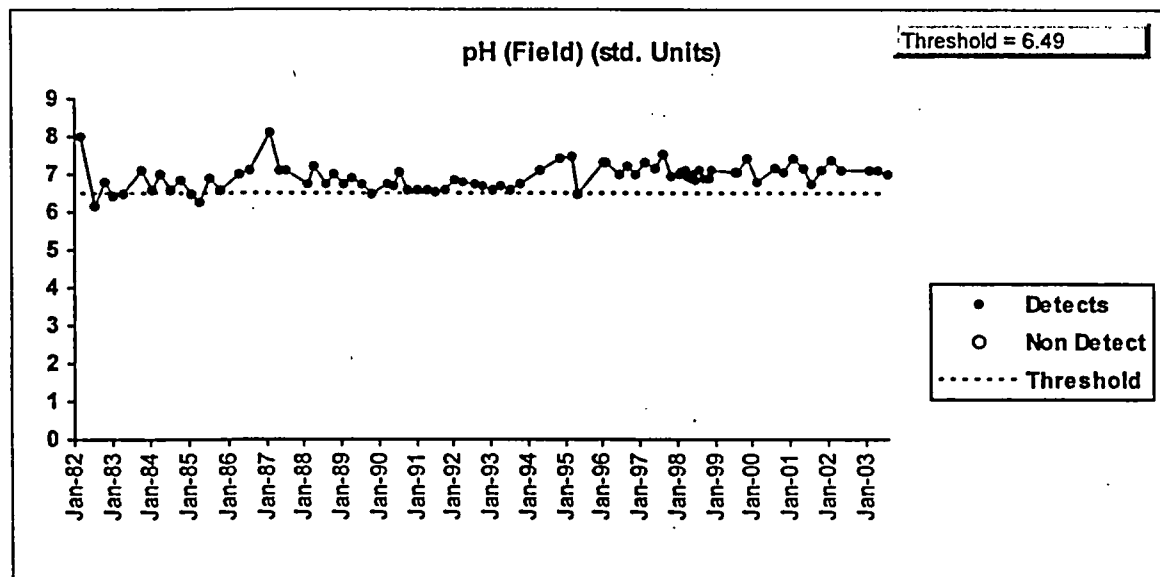
Jeffrey City

WN-24



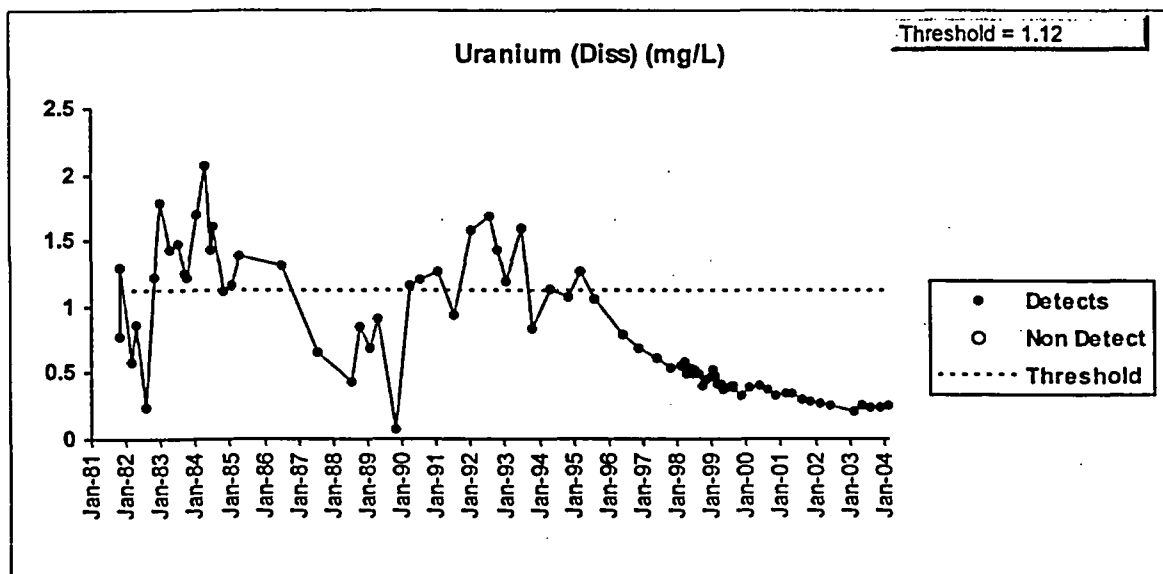
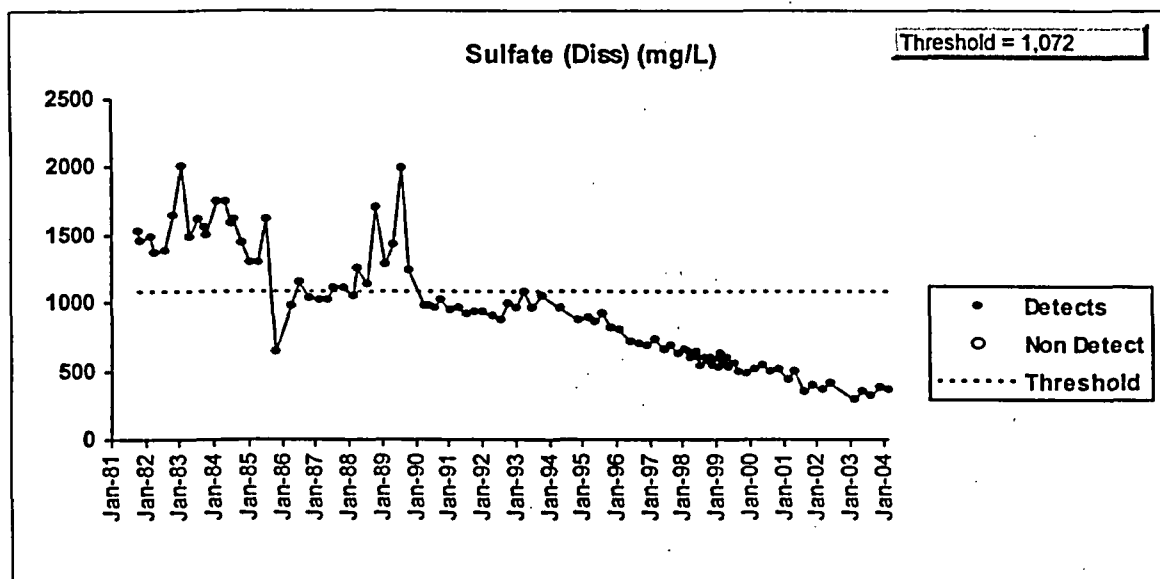
Jeffrey City

WN-25



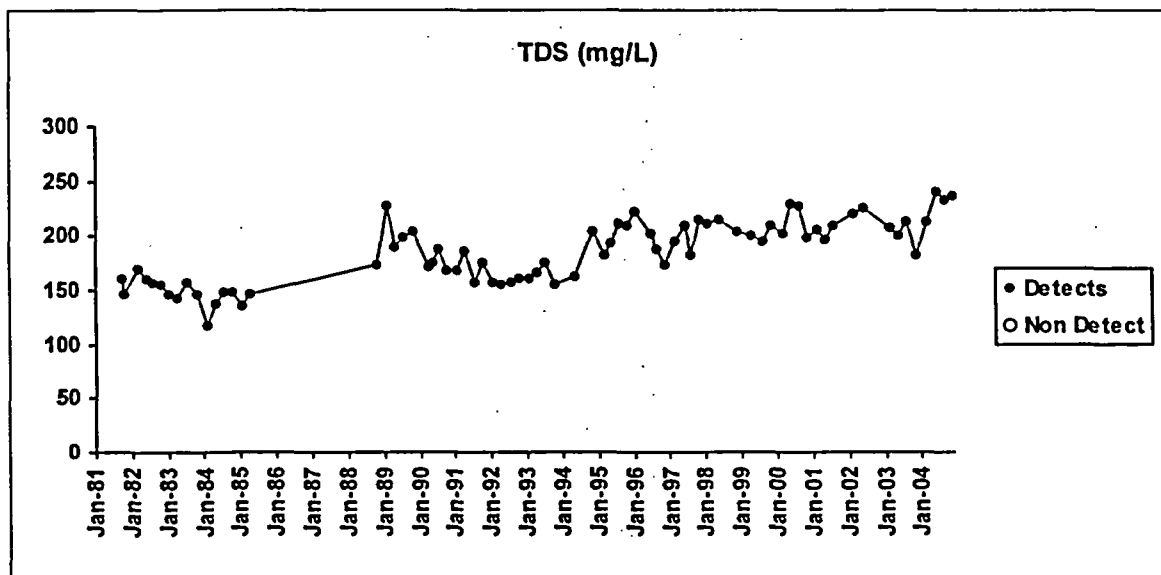
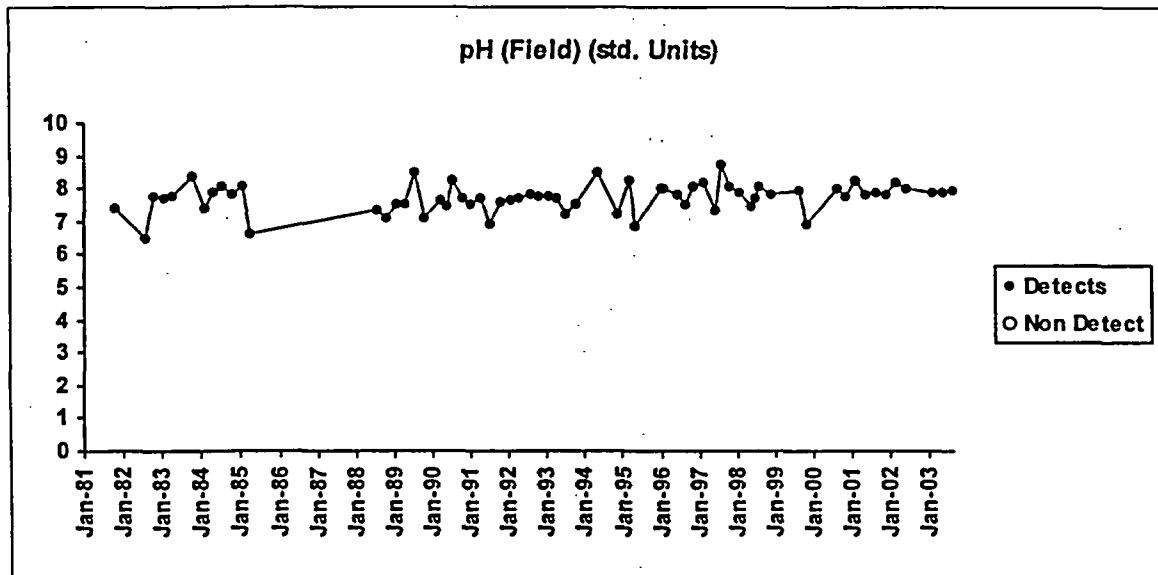
Jeffrey City

WN-25



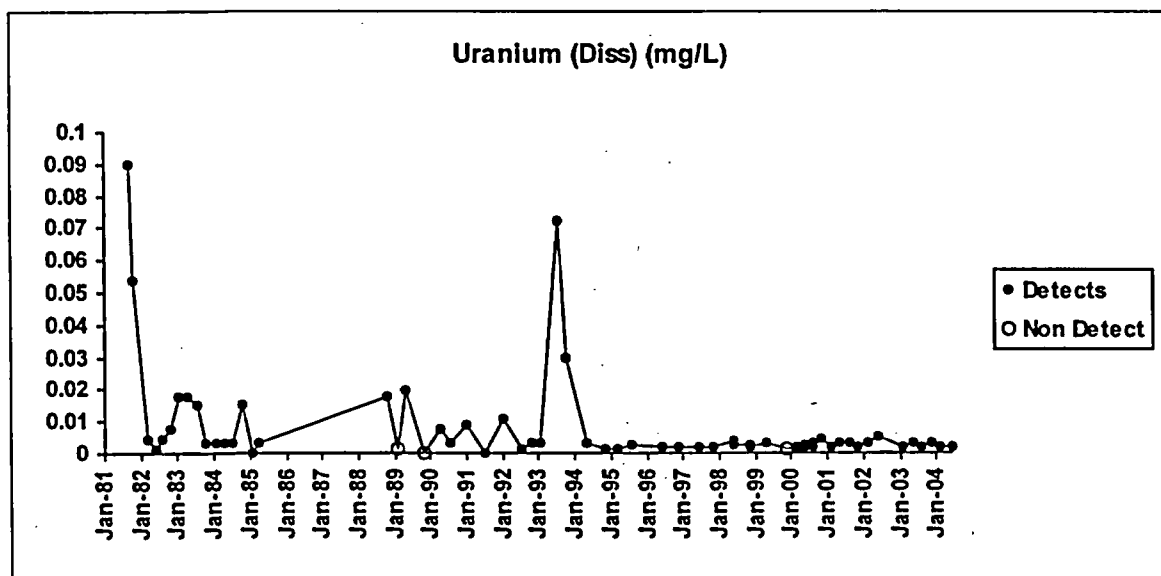
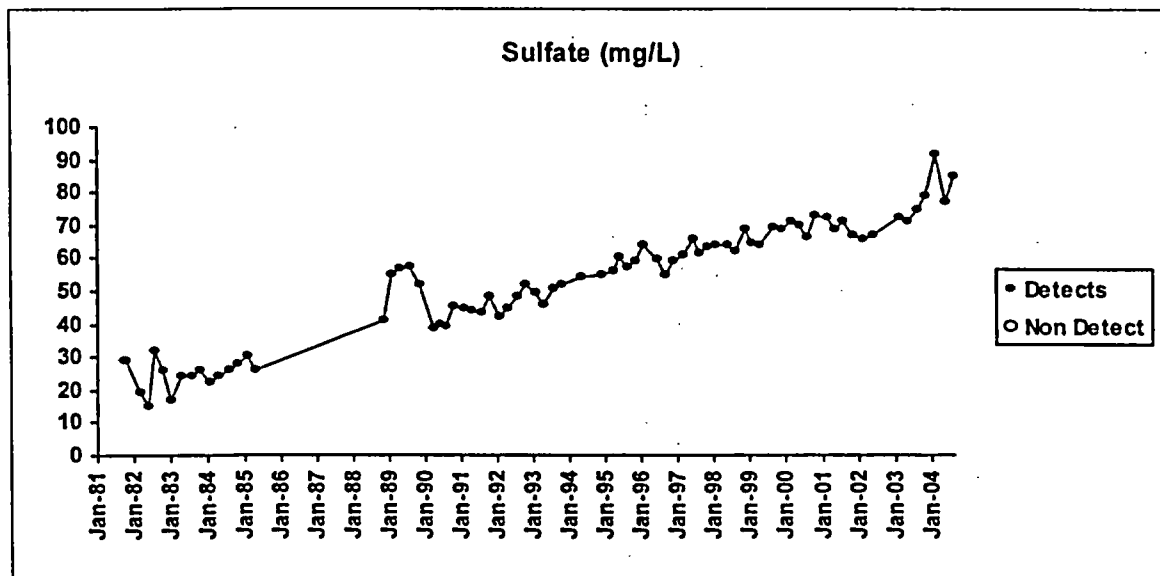
Jeffrey City

WN-26



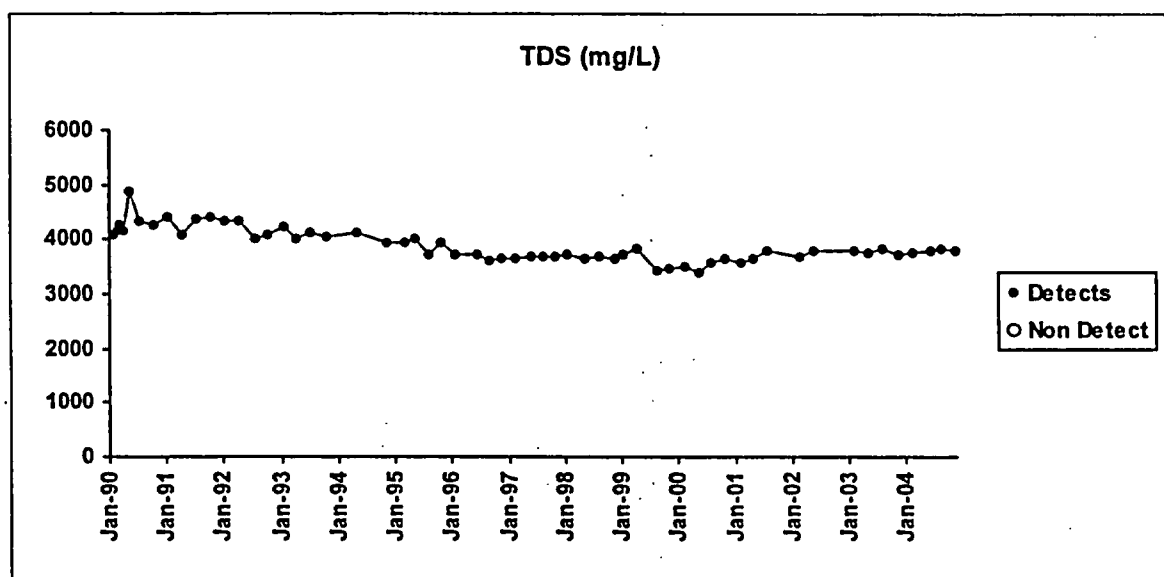
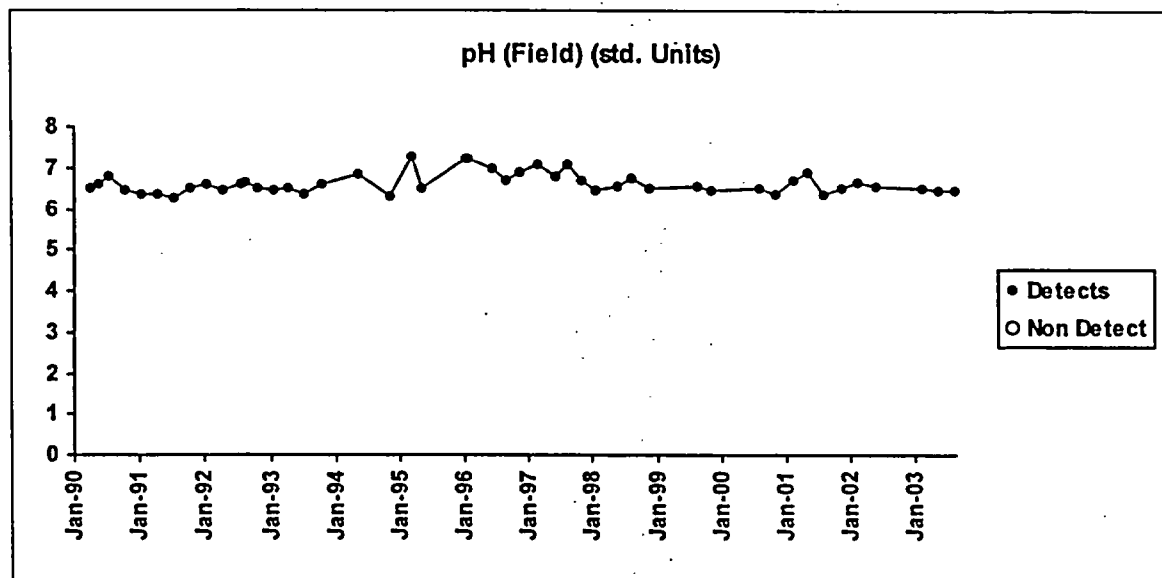
Jeffrey City

WN-26



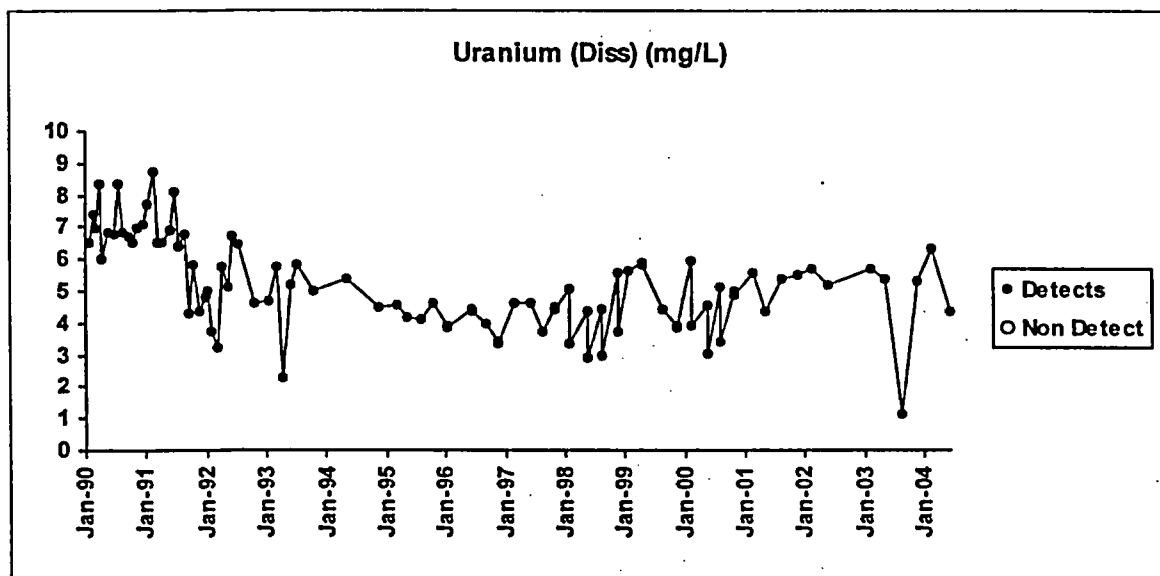
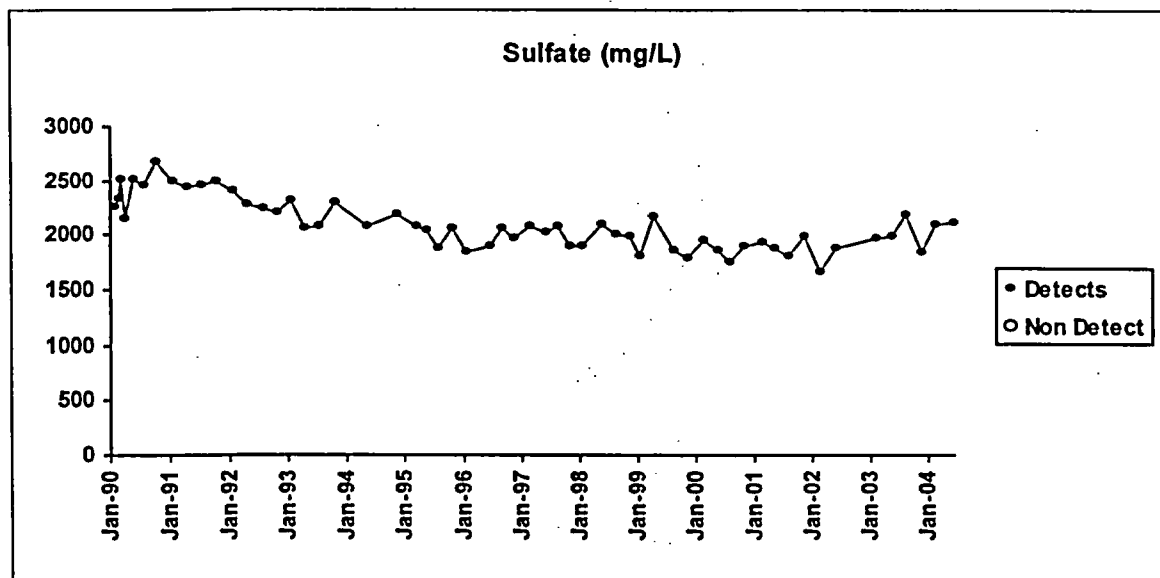
Jeffrey City

WELL-28



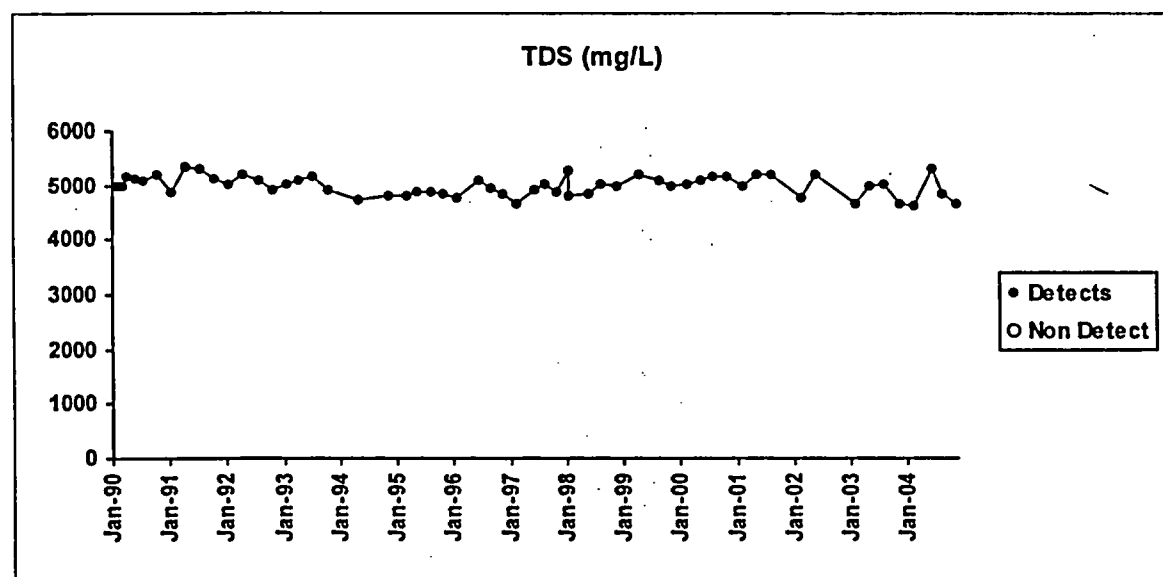
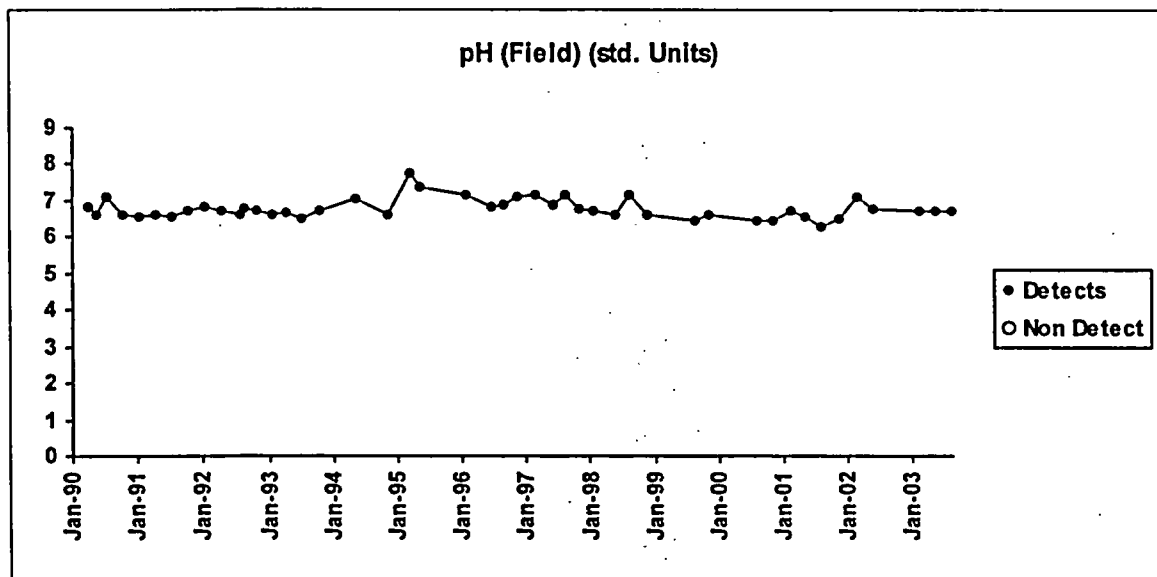
Jeffrey City

WELL-28



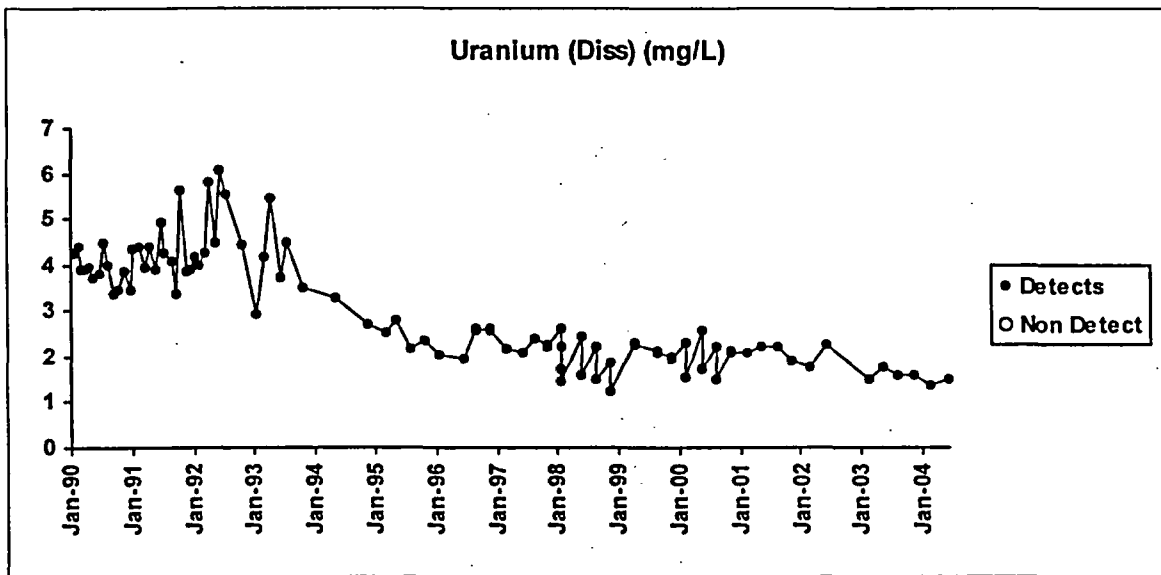
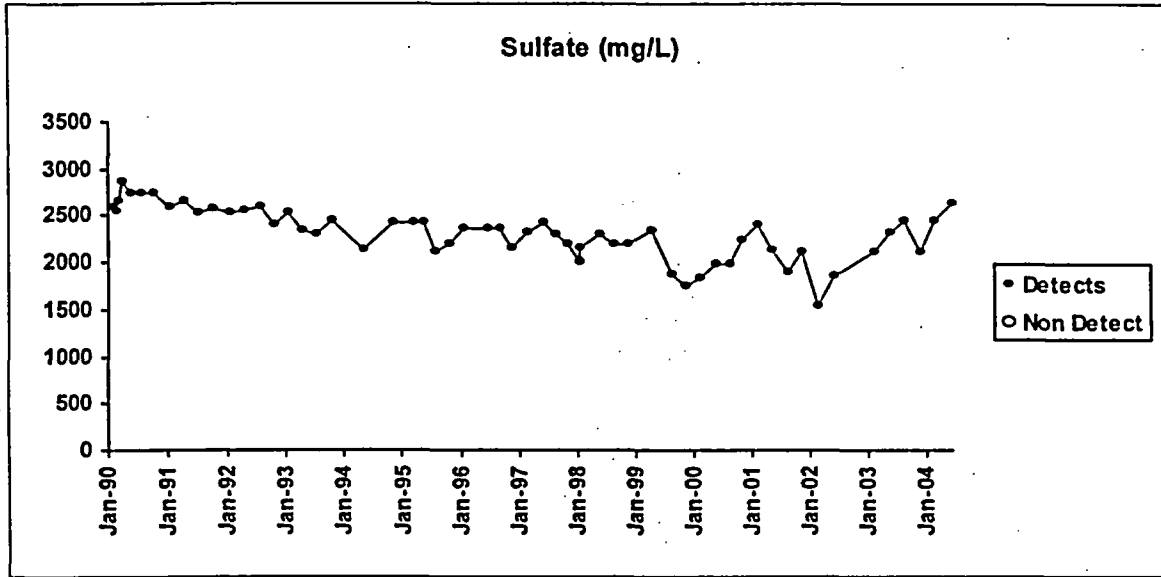
Jeffrey City

WELL-30



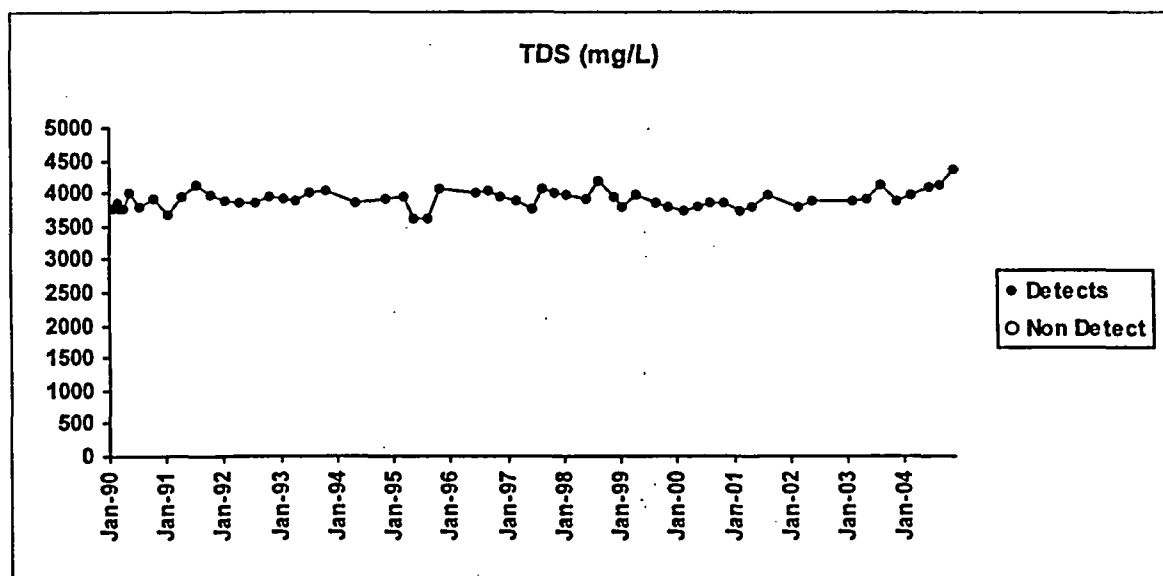
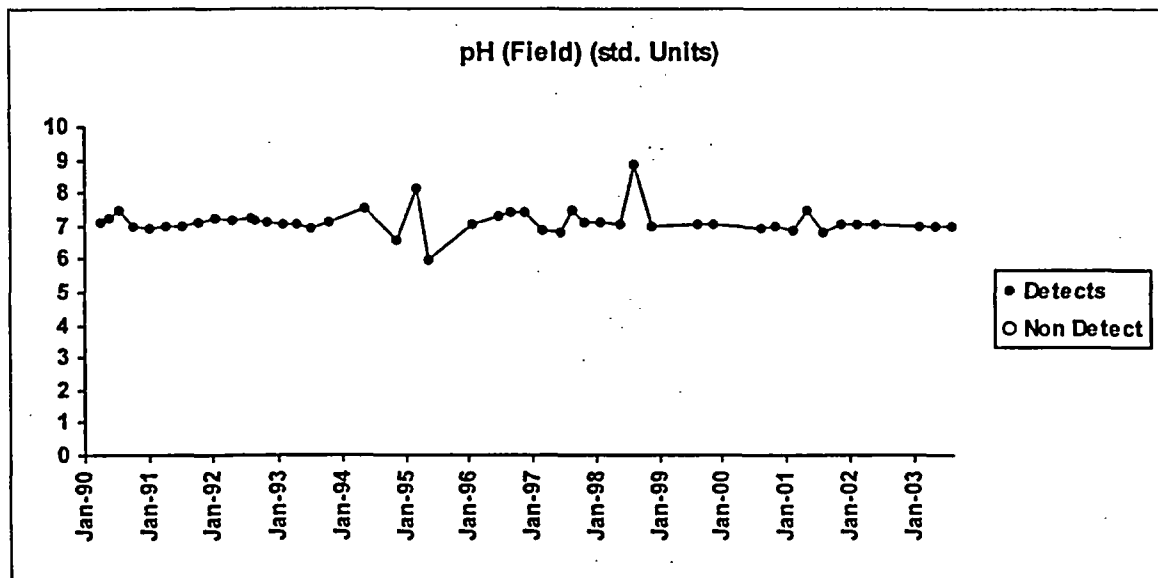
Jeffrey City

WELL-30



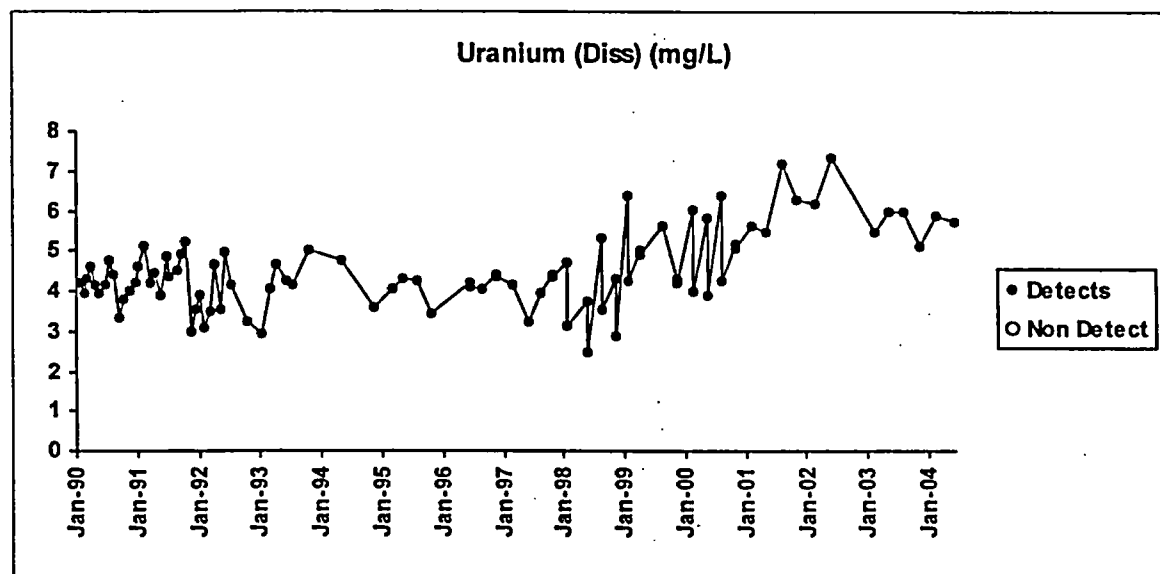
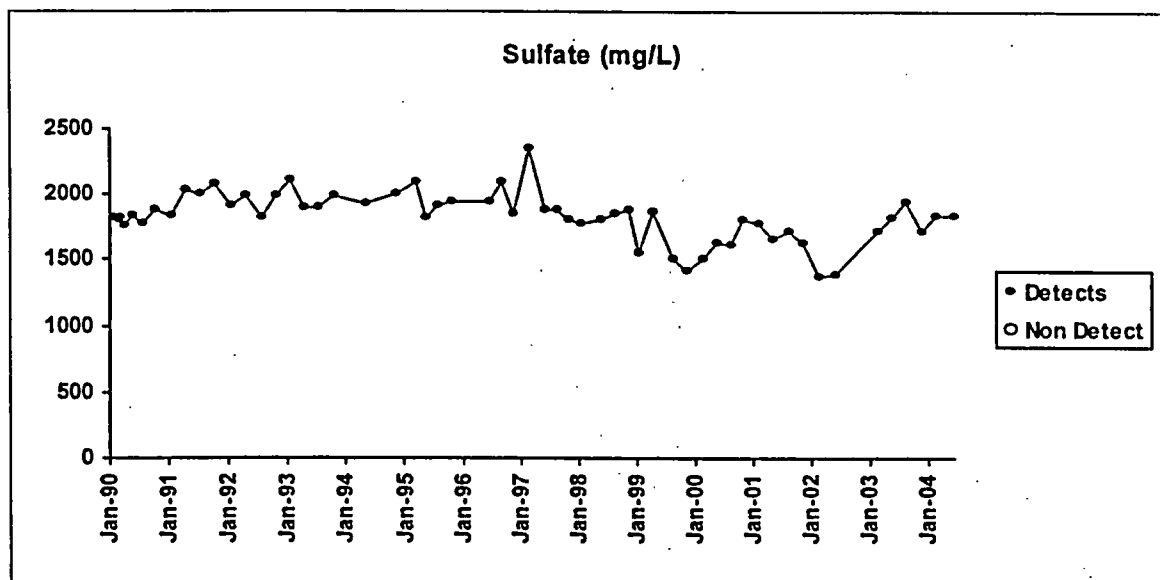
Jeffrey City

WELL-31



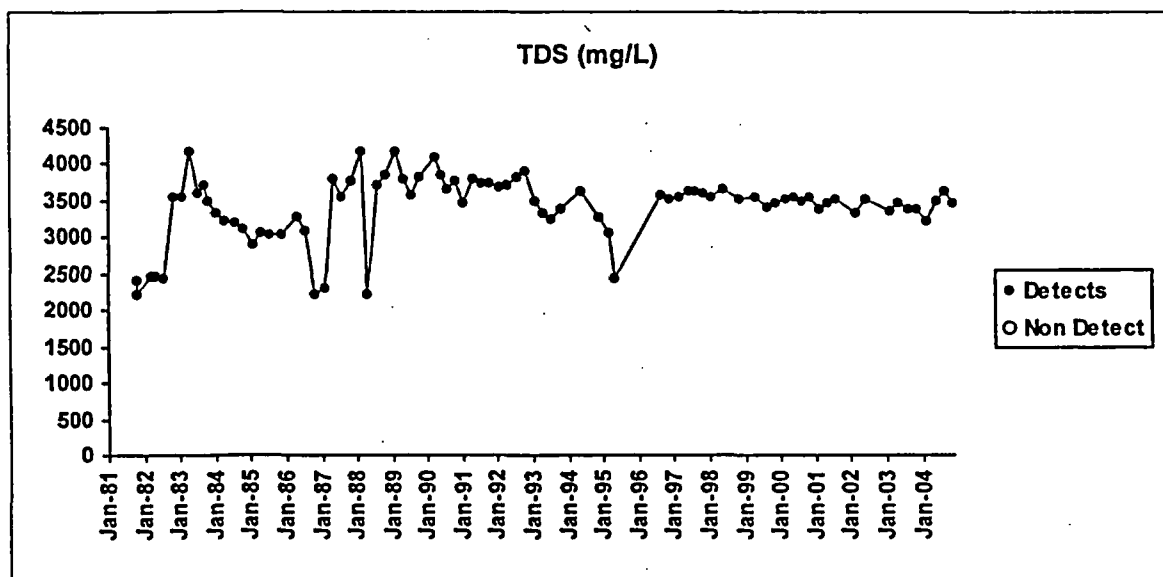
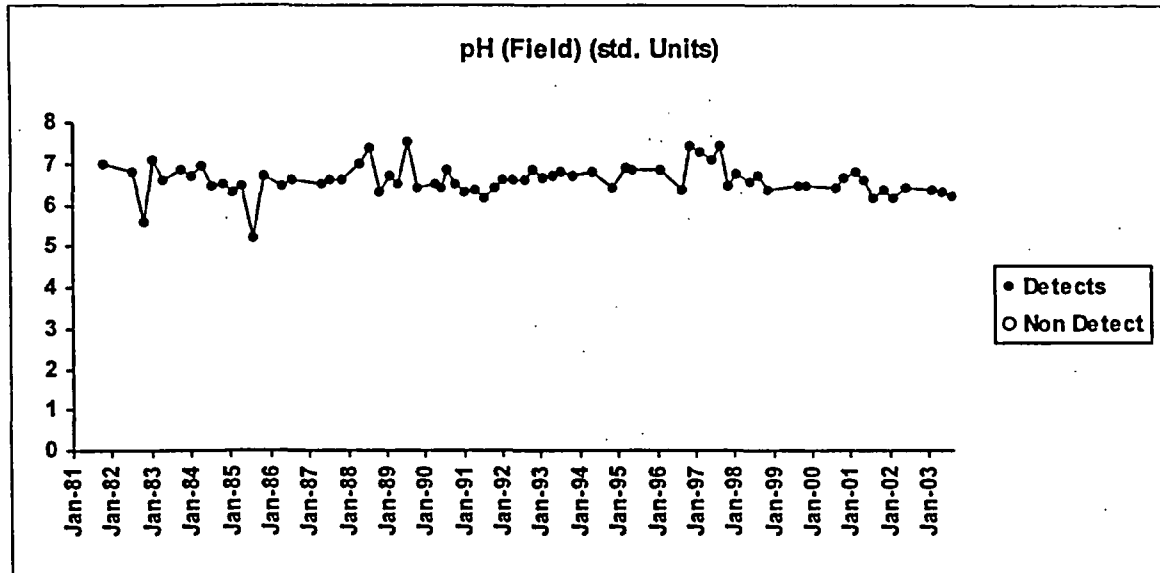
Jeffrey City

WELL-31



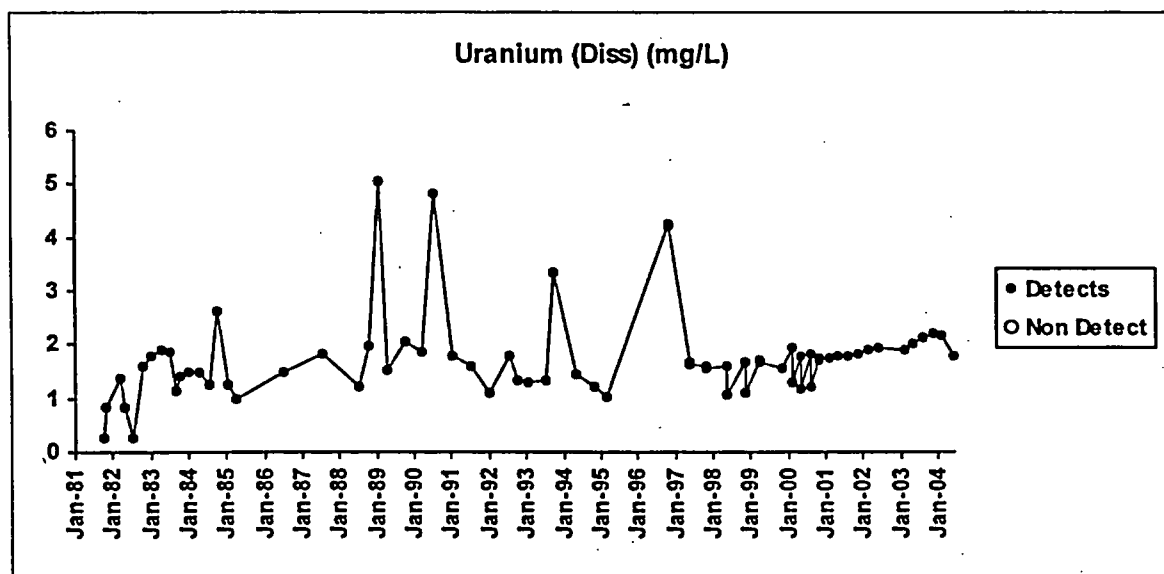
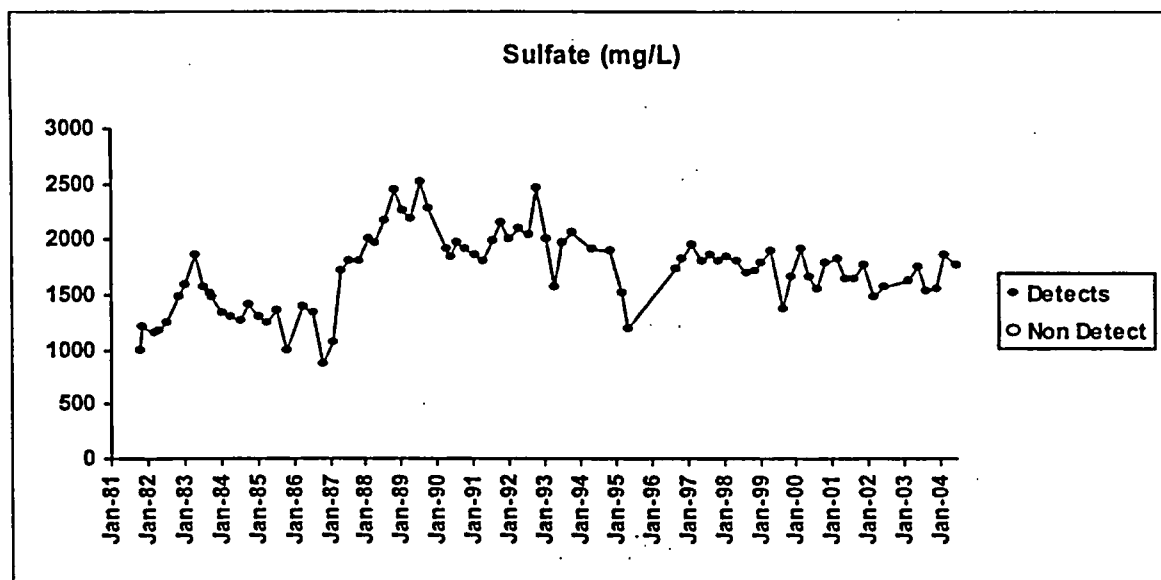
Jeffrey City

WN-A



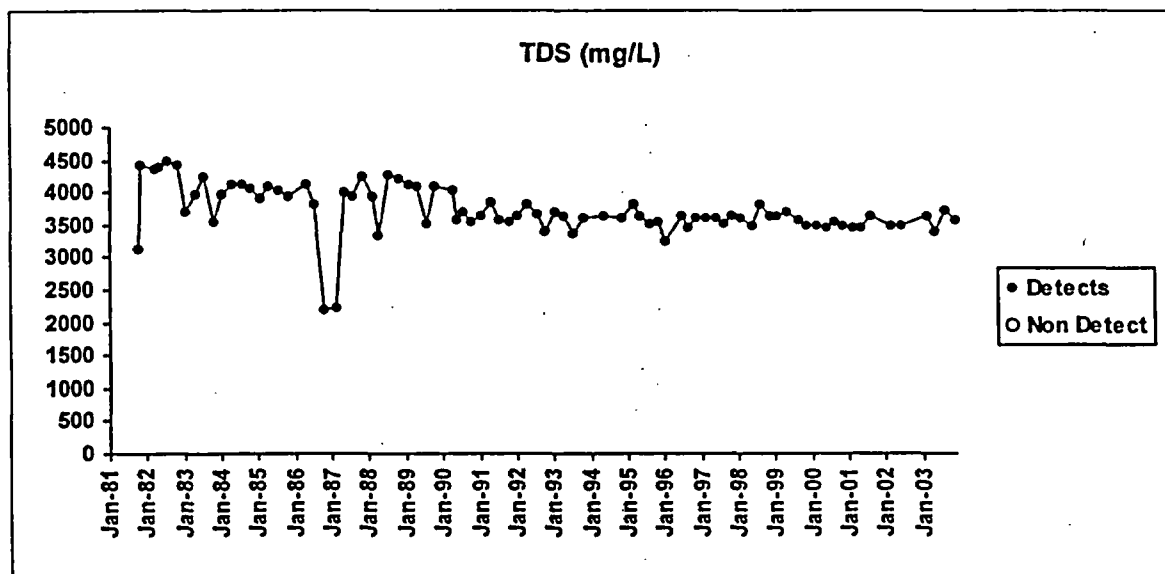
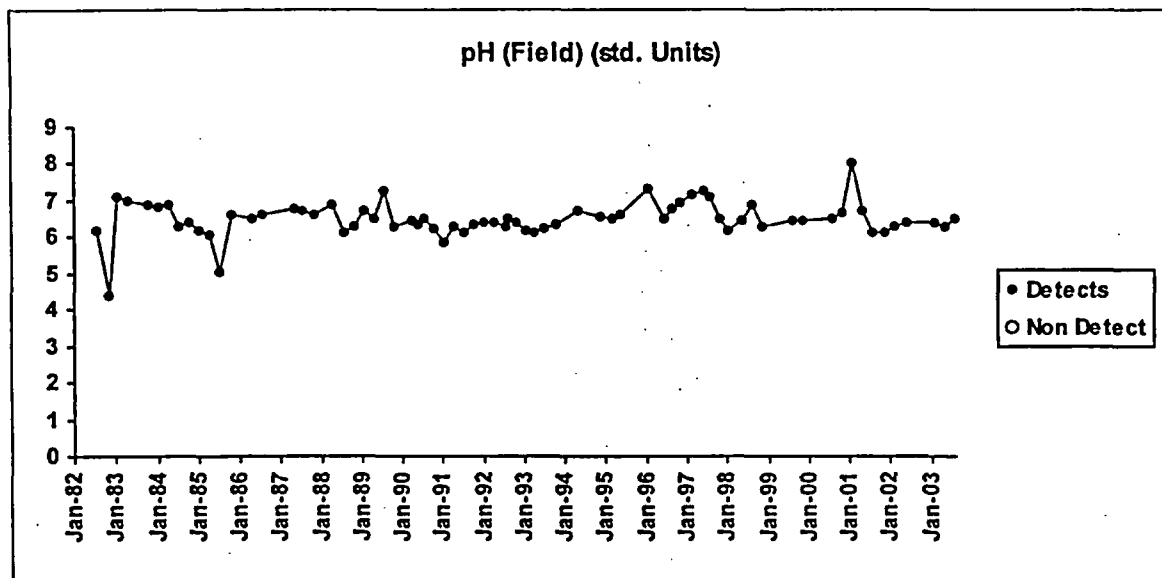
Jeffrey City

WN-A



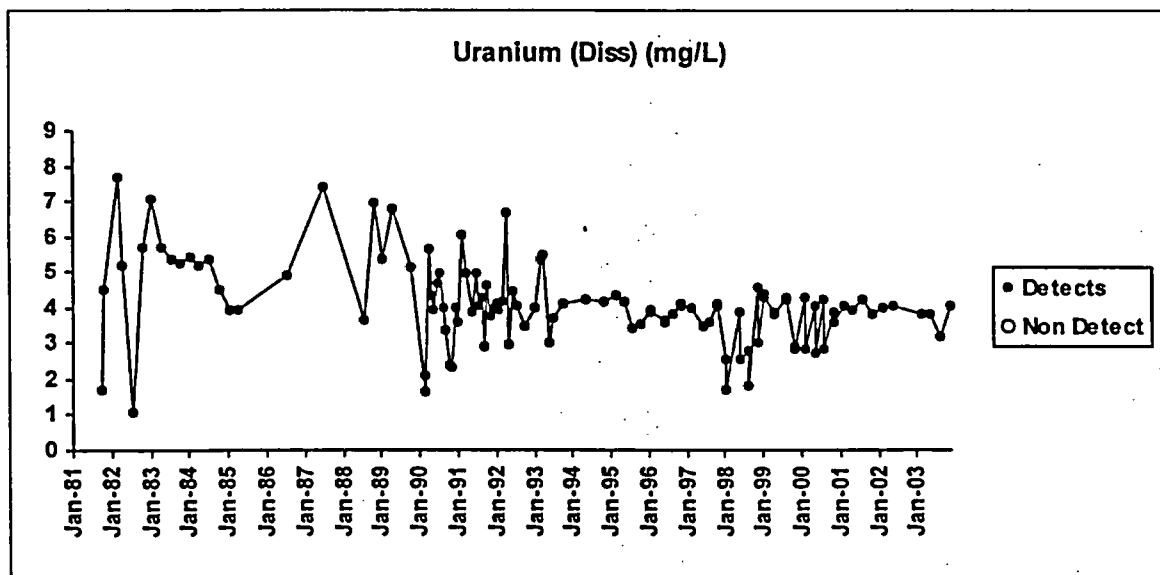
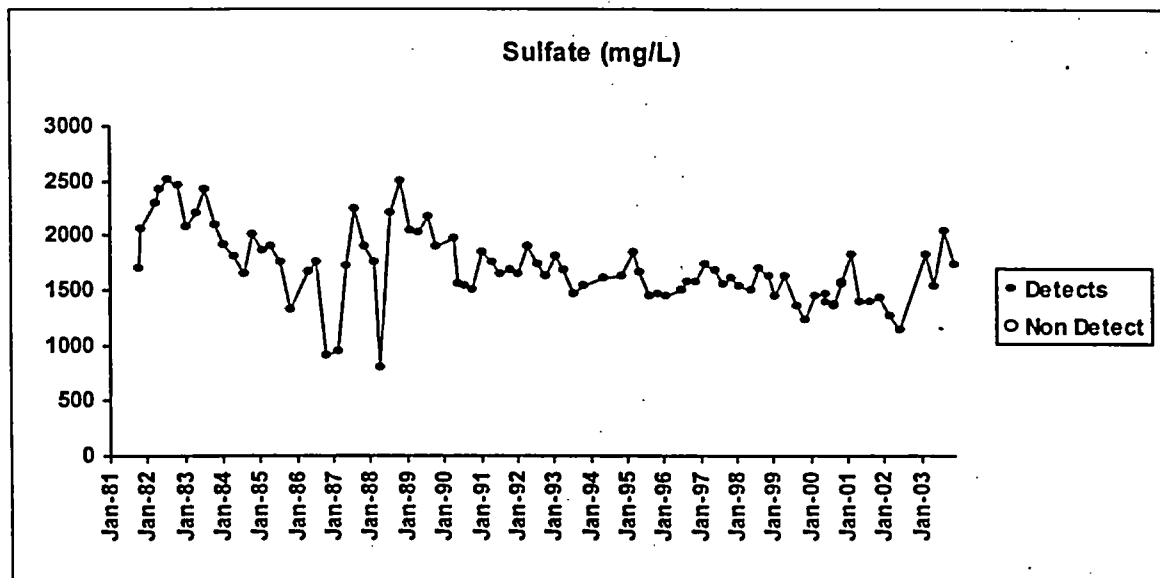
Jeffrey City

WN-B



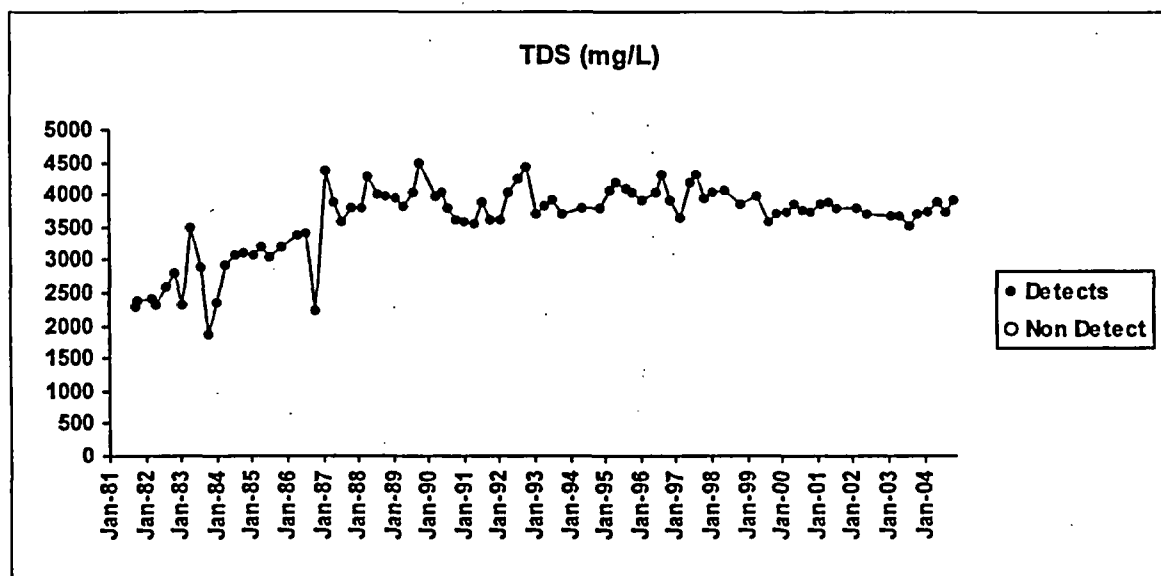
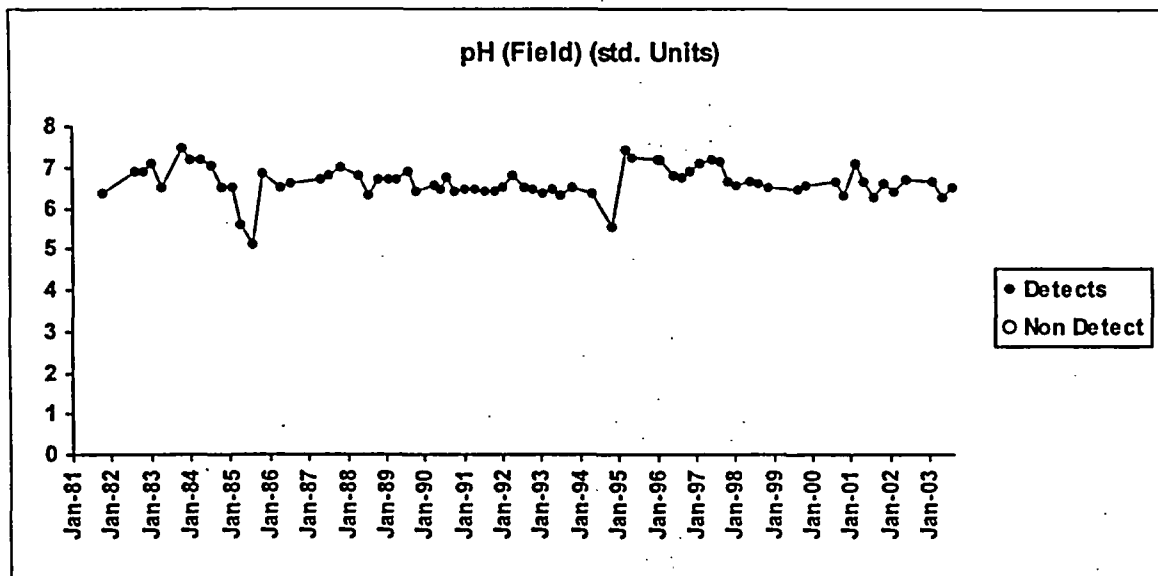
Jeffrey City

WN-B



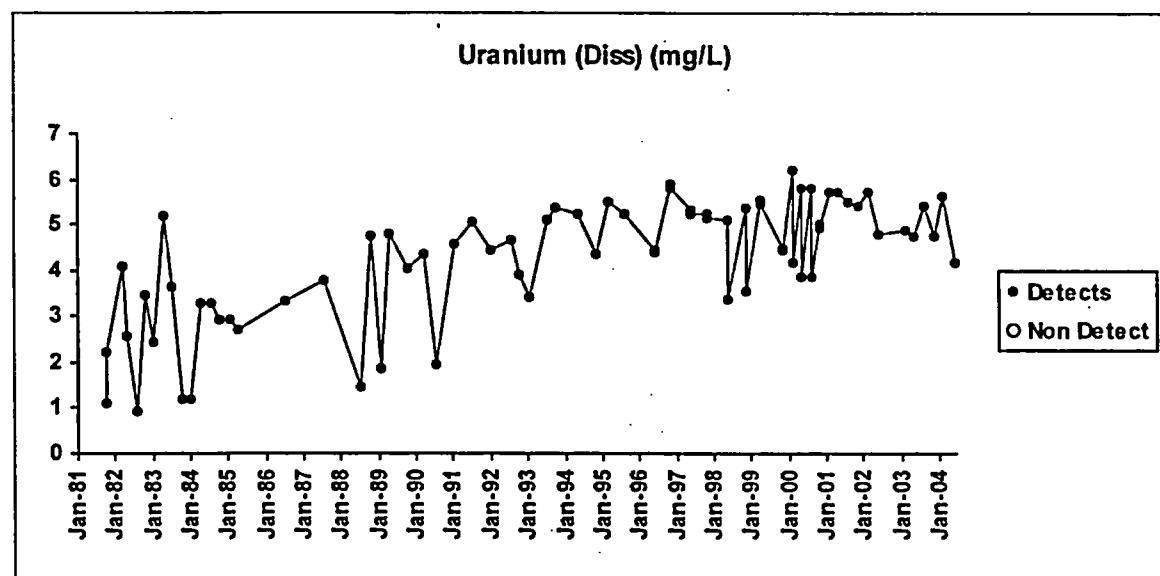
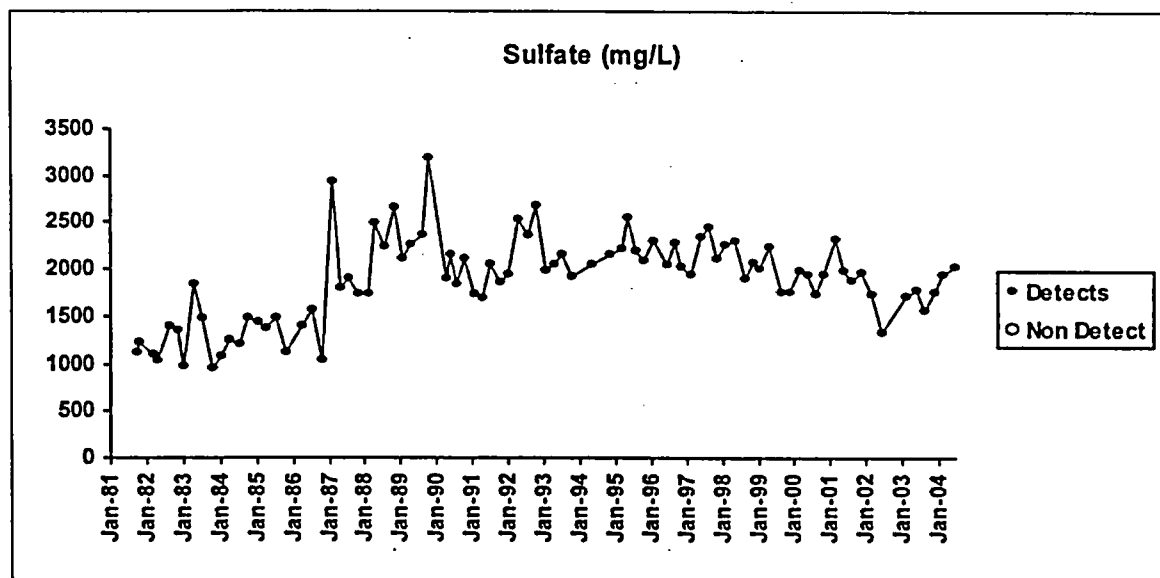
Jeffrey City

WN-C



Jeffrey City

WN-C



DRINKING WATER

Note: Effective March 10, 1997, Well #27 is no longer used as a drinking water source. However, the report format has not been changed in an effort to maintain consistency with previous reports.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-008
Client Sample ID: WN-27

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	ND	mg/L		5		E200.7	08/24/04 12:29 / ts
Nitrogen, Nitrate+Nitrite as N	0.78	mg/L		0.20		E353.2	08/20/04 11:06 / jal
Sulfate	19	mg/L		5		E200.7	08/24/04 12:29 / ts
PHYSICAL PROPERTIES							
pH	7.56	s.u.		0.01		A4500-H B	08/20/04 17:24 / dd
Solids, Total Dissolved TDS @ 180 C	207	mg/L		10		A2540 C	08/20/04 16:06 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 20:27 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 20:27 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 20:27 / bws
Lead	ND	mg/L		0.005		E200.8	09/14/04 20:27 / bws
Manganese	ND	mg/L		0.05		E200.8	09/14/04 20:27 / bws
Mercury	ND	mg/L		0.005		E200.8	09/14/04 20:27 / bws
Uranium	0.010	mg/L		0.001		E200.8	09/14/04 20:27 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-017
Client Sample ID: WN-27

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	115	mg/L		10		A2320 B	11/29/04 09:32 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 09:32 / nlm
Bicarbonate as HCO3	140	mg/L		1		A2320 B	11/29/04 09:32 / nlm
Calcium	39.1	mg/L		0.5		E200.7	12/09/04 12:54 / ts
Chloride	6	mg/L		5		E200.7	12/09/04 12:54 / ts
Magnesium	5.7	mg/L		0.5		E200.7	12/09/04 12:54 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 11:15 / jal
Nitrogen, Nitrate+Nitrite as N	0.56	mg/L		0.20		E353.2	11/22/04 13:55 / jal
Potassium	5.7	mg/L		0.5		E200.7	12/09/04 12:54 / ts
Sodium	14.5	mg/L		0.5		E200.7	12/09/04 12:54 / ts
Sulfate	18	mg/L		5		E200.7	12/09/04 12:54 / ts
PHYSICAL PROPERTIES							
Conductivity	267	umhos/cm		1.0		A2510 B	11/19/04 16:31 / dd
	7.79	s.u.		0.01		A4500-H B	11/19/04 17:58 / dd
Solids, Total Dissolved TDS @ 180 C	211	mg/L		10		A2540 C	11/19/04 19:24 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 22:28 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 22:28 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 22:28 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 22:28 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 22:28 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 22:28 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 12:54 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 22:28 / bws
Manganese	ND	mg/L		0.05		E200.8	12/08/04 22:28 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 22:28 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 22:28 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 22:28 / bws
Selenium	ND	mg/L		0.005		E200.8	12/08/04 22:28 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 22:28 / bws
Uranium	0.009	mg/L		0.001		E200.8	12/08/04 22:28 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-017
Client Sample ID: WN-27

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.97	%				Calculation	12/13/04 15:17 / smd
Anions	2.87	meq/L				Calculation	12/13/04 15:17 / smd
Cations	3.17	meq/L				Calculation	12/13/04 15:17 / smd
Solids, Total Dissolved Calculated	199	mg/L				Calculation	12/13/04 15:17 / smd
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	12/13/04 15:17 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

SURFACE WATER



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-011
Client Sample ID: WN-SWR-AB

Report Date: 09/30/04
Collection Date: 08/18/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	6	mg/L		5		E200.7	08/24/04 12:39 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	08/20/04 11:19 / jal
Sulfate	31	mg/L		5		A4500-SO4 E	09/28/04 17:09 / jal
PHYSICAL PROPERTIES							
pH	7.92	s.u.		0.01		A4500-H B	08/20/04 17:38 / dd
Solids, Total Dissolved TDS @ 180 C	209	mg/L		10		A2540 C	08/20/04 16:07 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 21:22 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 21:22 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 21:22 / bws
Lead	ND	mg/L		0.005		E200.8	09/14/04 21:22 / bws
Mercury	ND	mg/L		0.05		E200.8	09/14/04 21:22 / bws
Selenium	ND	mg/L		0.005		E200.8	09/14/04 21:22 / bws
Uranium	0.003	mg/L		0.001		E200.8	09/14/04 21:22 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-029
Client Sample ID: WN-SWR-AB

Report Date: 01/18/05
Collection Date: 11/17/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	76	mg/L		10		A2320 B	11/29/04 12:52 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 12:52 / nlm
Bicarbonate as HCO3	92	mg/L		1		A2320 B	11/29/04 12:52 / nlm
Calcium	25.1	mg/L		0.5		E200.7	12/22/04 11:15 / ts
Chloride	ND	mg/L		5		E200.7	12/09/04 14:23 / ts
Magnesium	4.8	mg/L		0.5		E200.7	12/22/04 11:15 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 12:19 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	11/22/04 14:47 / jal
Potassium	3.0	mg/L		0.5		E200.7	12/22/04 11:15 / ts
Sodium	11.6	mg/L		0.5		E200.7	12/09/04 14:23 / ts
Sulfate	20	mg/L		5		E200.7	12/09/04 14:23 / ts
PHYSICAL PROPERTIES							
Conductivity	191	umhos/cm		1.0		A2510 B	11/19/04 16:45 / dd
	8.21	s.u.		0.01		A4500-H B	11/19/04 18:10 / dd
Solids, Total Dissolved TDS @ 180 C	147	mg/L		10		A2540 C	11/19/04 19:28 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/09/04 01:26 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/09/04 01:26 / bws
Barium	ND	mg/L		0.05		E200.8	12/09/04 01:26 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/09/04 01:26 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/09/04 01:26 / bws
Chromium	ND	mg/L		0.005		E200.8	12/09/04 01:26 / bws
Iron	0.21	mg/L		0.05		E200.7	12/09/04 14:23 / ts
Lead	ND	mg/L		0.005		E200.8	12/09/04 01:26 / bws
Manganese	ND	mg/L		0.05		E200.8	12/09/04 01:26 / bws
Mercury	ND	mg/L		0.001		E200.8	12/09/04 01:26 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/09/04 01:26 / bws
Nickel	ND	mg/L		0.05		E200.8	12/09/04 01:26 / bws
Selenium	ND	mg/L		0.005		E200.8	12/09/04 01:26 / bws
Silver	ND	mg/L		0.004		E200.8	12/09/04 01:26 / bws
Uranium	0.002	mg/L		0.001		E200.8	12/09/04 01:26 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/08/04 10:30 / ph

Report
Definitions: RL - Analyte reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-029
Client Sample ID: WN-SWR-AB

Report Date: 01/18/05
Collection Date: 11/17/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.25	%				Calculation	12/23/04 11:23 / smd
Anions	2.05	meq/L				Calculation	12/23/04 11:23 / smd
Cations	2.24	meq/L				Calculation	12/23/04 11:23 / smd
Solids, Total Dissolved Calculated	128	mg/L				Calculation	12/23/04 11:23 / smd
TDS Balance (0.80 - 1.20)	1.15	dec. %				Calculation	12/23/04 11:23 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-010
Client Sample ID: WN-SWR-AC

Report Date: 09/30/04
Collection Date: 08/18/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	13	mg/L		5		A4500-Cl B	09/28/04 14:10 / jl
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	08/20/04 11:11 / jal
Sulfate	38	mg/L		5		A4500-SO4 E	09/28/04 17:08 / jal
PHYSICAL PROPERTIES							
pH	7.75	s.u.		0.01		A4500-H B	08/20/04 17:35 / dd
Solids, Total Dissolved TDS @ 180 C	269	mg/L		10		A2540 C	08/20/04 16:07 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 21:15 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 21:15 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 21:15 / bws
Lead	ND	mg/L		0.005		E200.8	09/14/04 21:15 / bws
Manganese	ND	mg/L		0.05		E200.8	09/14/04 21:15 / bws
Selenium	ND	mg/L		0.005		E200.8	09/14/04 21:15 / bws
Uranium	0.006	mg/L		0.001		E200.8	09/14/04 21:15 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-028
Client Sample ID: WN-SWR-AC

Report Date: 01/18/05
Collection Date: 11/17/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	82	mg/L		10		A2320 B	11/29/04 12:38 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 12:38 / nlm
Bicarbonate as HCO3	100	mg/L		1		A2320 B	11/29/04 12:38 / nlm
Calcium	28.2	mg/L		0.5		E200.7	12/22/04 11:12 / ts
Chloride	6	mg/L		5		E200.7	12/09/04 14:20 / ts
Magnesium	5.3	mg/L		0.5		E200.7	12/22/04 11:12 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 12:09 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	11/22/04 14:45 / jal
Potassium	3.3	mg/L		0.5		E200.7	12/22/04 11:12 / ts
Sodium	13.5	mg/L		0.5		E200.7	12/09/04 14:20 / ts
Sulfate	23	mg/L		5		E200.7	12/09/04 14:20 / ts
PHYSICAL PROPERTIES							
Conductivity	214	umhos/cm		1.0		A2510 B	11/19/04 16:44 / dd
	8.18	s.u.		0.01		A4500-H B	11/19/04 18:09 / dd
ids, Total Dissolved TDS @ 180 C	165	mg/L		10		A2540 C	11/19/04 19:28 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/09/04 01:19 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/09/04 01:19 / bws
Barium	ND	mg/L		0.05		E200.8	12/09/04 01:19 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/09/04 01:19 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/09/04 01:19 / bws
Chromium	ND	mg/L		0.005		E200.8	12/09/04 01:19 / bws
Iron	0.19	mg/L		0.05		E200.7	12/09/04 14:20 / ts
Lead	ND	mg/L		0.005		E200.8	12/09/04 01:19 / bws
Manganese	ND	mg/L		0.05		E200.8	12/09/04 01:19 / bws
Mercury	ND	mg/L		0.001		E200.8	12/09/04 01:19 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/09/04 01:19 / bws
Nickel	ND	mg/L		0.05		E200.8	12/09/04 01:19 / bws
Selenium	ND	mg/L		0.005		E200.8	12/09/04 01:19 / bws
Silver	ND	mg/L		0.004		E200.8	12/09/04 01:19 / bws
Uranium	0.003	mg/L		0.001		E200.8	12/09/04 01:19 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/08/04 10:30 / ph

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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-028
Client Sample ID: WN-SWR-AC

Report Date: 01/18/05
Collection Date: 11/17/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.98	%				Calculation	12/23/04 11:16 / smd
Anions	2.27	meq/L				Calculation	12/23/04 11:16 / smd
Cations	2.51	meq/L				Calculation	12/23/04 11:16 / smd
Solids, Total Dissolved Calculated	142	mg/L				Calculation	12/23/04 11:16 / smd
TDS Balance (0.80 - 1.20)	1.16	dec. %				Calculation	12/23/04 11:16 / smd

Port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-012
Client Sample ID: WN-SWR-BE

Report Date: 09/30/04
Collection Date: 08/18/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	ND	mg/L		5		E200.7	08/24/04 12:42 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	08/20/04 11:21 / jal
Sulfate	44	mg/L		5		A4500-SO4 E	09/28/04 17:11 / jal
PHYSICAL PROPERTIES							
pH	7.94	s.u.		0.01		A4500-H B	08/20/04 17:46 / dd
Solids, Total Dissolved TDS @ 180 C	269	mg/L		10		A2540 C	08/20/04 16:08 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 11:30 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 23:14 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 23:14 / bws
Lead	ND	mg/L		0.005		E200.8	09/14/04 23:14 / bws
Manganese	ND	mg/L		0.05		E200.8	09/14/04 23:14 / bws
Selenium	ND	mg/L		0.005		E200.8	09/14/04 23:14 / bws
Uranium	0.011	mg/L		0.001		E200.8	09/14/04 23:14 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-027
Client Sample ID: WN-SWR-BE

Report Date: 01/18/05
Collection Date: 11/17/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	94	mg/L		10		A2320 B	11/29/04 12:23 / nlm
Carbonate as CO3	1	mg/L		1		A2320 B	11/29/04 12:23 / nlm
Bicarbonate as HCO3	112	mg/L		1		A2320 B	11/29/04 12:23 / nlm
Calcium	31.1	mg/L		0.5		E200.7	12/09/04 14:17 / ts
Chloride	8	mg/L		5		E200.7	12/09/04 14:17 / ts
Magnesium	5.9	mg/L		0.5		E200.7	12/09/04 14:17 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 12:07 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	11/22/04 14:34 / jal
Potassium	4.4	mg/L		0.5		E200.7	12/09/04 14:17 / ts
Sodium	18.0	mg/L		0.5		E200.7	12/09/04 14:17 / ts
Sulfate	27	mg/L		5		E200.7	12/09/04 14:17 / ts
PHYSICAL PROPERTIES							
Conductivity	250	umhos/cm		1.0		A2510 B	11/19/04 16:43 / dd
	8.37	s.u.		0.01		A4500-H B	11/19/04 18:08 / dd
Solids, Total Dissolved TDS @ 180 C	186	mg/L		10		A2540 C	11/19/04 19:28 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/09/04 01:12 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/09/04 01:12 / bws
Barium	ND	mg/L		0.05		E200.8	12/09/04 01:12 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/09/04 01:12 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/09/04 01:12 / bws
Chromium	ND	mg/L		0.005		E200.8	12/09/04 01:12 / bws
Iron	0.15	mg/L		0.05		E200.7	12/09/04 14:17 / ts
Lead	ND	mg/L		0.005		E200.8	12/09/04 01:12 / bws
Manganese	ND	mg/L		0.05		E200.8	12/09/04 01:12 / bws
Mercury	ND	mg/L		0.001		E200.8	12/09/04 01:12 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/09/04 01:12 / bws
Nickel	ND	mg/L		0.05		E200.8	12/09/04 01:12 / bws
Selenium	ND	mg/L		0.005		E200.8	12/09/04 01:12 / bws
Silver	ND	mg/L		0.004		E200.8	12/09/04 01:12 / bws
Uranium	0.006	mg/L		0.001		E200.8	12/09/04 01:12 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/23/04 14:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/08/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-027
Client Sample ID: WN-SWR-BE

Report Date: 01/18/05
Collection Date: 11/17/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.84	%				Calculation	12/13/04 15:20 / smd
Anions	2.67	meq/L				Calculation	12/13/04 15:20 / smd
Cations	2.94	meq/L				Calculation	12/13/04 15:20 / smd
Solids, Total Dissolved Calculated	167	mg/L				Calculation	12/13/04 15:20 / smd
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	12/13/04 15:20 / smd

RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

GROUNDWATER



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-029
Client Sample ID: WN-1

Report Date: 09/30/04
Collection Date: 08/18/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	628	mg/L		10		A2320 B	08/25/04 14:36 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/25/04 14:36 / nlm
Bicarbonate as HCO3	766	mg/L		1		A2320 B	08/25/04 14:36 / nlm
Calcium	668	mg/L	D	0.6		E200.7	09/24/04 13:45 / ts
Chloride	63	mg/L		1		E200.7	08/25/04 11:47 / ts
Magnesium	109	mg/L		0.5		E200.7	08/25/04 11:47 / ts
Nitrogen, Ammonia as N	16.8	mg/L	D	0.2		A4500-NH3 G	08/23/04 13:31 / jal
Nitrogen, Nitrate+Nitrite as N	52.5	mg/L	D	0.60		E353.2	08/20/04 14:44 / jal
Potassium	19.1	mg/L		0.5		E200.7	08/25/04 11:47 / ts
Sodium	127	mg/L		0.5		E200.7	08/25/04 11:47 / ts
Sulfate	1390	mg/L		5		E200.7	08/25/04 11:47 / ts
PHYSICAL PROPERTIES							
Conductivity	3450	umhos/cm		1.0		A2510 B	08/23/04 13:10 / dd
pH	6.50	s.u.		0.01		A4500-H B	08/23/04 13:10 / dd
Solids, Total Dissolved TDS @ 180 C	3360	mg/L		10		A2540 C	08/20/04 16:14 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	08/25/04 11:47 / ts
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 02:50 / bws
Barium	ND	mg/L		0.05		E200.7	08/25/04 11:47 / ts
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 15:28 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 02:50 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 02:50 / bws
Iron	ND	mg/L		0.05		E200.7	08/25/04 11:47 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 02:50 / bws
Manganese	5.68	mg/L		0.05		E200.7	08/25/04 11:47 / ts
Mercury	ND	mg/L		0.001		E200.8	09/15/04 02:50 / bws
Molybdenum	ND	mg/L		0.1		E200.7	08/25/04 11:47 / ts
Nickel	ND	mg/L		0.05		E200.8	09/15/04 02:50 / bws
Selenium	0.011	mg/L		0.005		E200.8	09/15/04 02:50 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 02:50 / bws
Uranium	3.48	mg/L		0.001		E200.8	09/15/04 02:50 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	2.9	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 226 precision (±)	0.7	pCi/L				E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-029
Client Sample ID: WN-1

Report Date: 09/30/04
Collection Date: 08/18/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph
DATA QUALITY							
A/C Balance (± 5)	3.03	%				Calculation	09/27/04 09:25 / smd
Anions	47.0	meq/L				Calculation	09/27/04 09:25 / smd
Cations	49.9	meq/L				Calculation	09/27/04 09:25 / smd
Solids, Total Dissolved Calculated	2980	mg/L				Calculation	09/27/04 09:25 / smd
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	09/27/04 09:25 / smd

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-023
Client Sample ID: WN-1

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	709	mg/L		10		A2320 B	11/29/04 11:12 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 11:12 / nlm
Bicarbonate as HCO3	864	mg/L		1		A2320 B	11/29/04 11:12 / nlm
Calcium	744	mg/L	D	0.6		E200.7	12/09/04 14:02 / ts
Chloride	75	mg/L		5		E200.7	12/09/04 13:50 / ts
Magnesium	140	mg/L	D	0.5		E200.7	12/09/04 14:02 / ts
Nitrogen, Ammonia as N	12.4	mg/L	D	0.4		A4500-NH3 G	11/23/04 12:25 / jal
Nitrogen, Nitrate+Nitrite as N	47.6	mg/L	D	1.5		E353.2	11/22/04 14:25 / jal
Potassium	20.8	mg/L		0.5		E200.7	12/09/04 13:50 / ts
Sodium	123	mg/L		0.5		E200.7	12/09/04 13:50 / ts
Sulfate	1510	mg/L		5		E200.7	12/09/04 13:50 / ts
PHYSICAL PROPERTIES							
Conductivity	3710	umhos/cm		1.0		A2510 B	11/19/04 16:39 / dd
	6.73	s.u.		0.01		A4500-H B	11/19/04 18:04 / dd
Solids, Total Dissolved TDS @ 180 C	3420	mg/L		10		A2540 C	11/19/04 19:26 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/09/04 00:08 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/09/04 00:08 / bws
Barium	ND	mg/L		0.05		E200.8	12/09/04 00:08 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/09/04 00:08 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/09/04 00:08 / bws
Chromium	ND	mg/L		0.005		E200.8	12/09/04 00:08 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 13:50 / ts
Lead	ND	mg/L		0.005		E200.8	12/09/04 00:08 / bws
Manganese	3.61	mg/L		0.05		E200.8	12/09/04 00:08 / bws
Mercury	ND	mg/L		0.001		E200.8	12/09/04 00:08 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/09/04 00:08 / bws
Nickel	ND	mg/L		0.05		E200.8	12/09/04 00:08 / bws
Selenium	0.011	mg/L		0.005		E200.8	12/09/04 00:08 / bws
Silver	ND	mg/L		0.004		E200.8	12/09/04 00:08 / bws
Uranium	3.92	mg/L		0.001		E200.8	12/09/04 00:08 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/08/04 10:30 / ph

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-023
Client Sample ID: WN-1

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.23	%				Calculation	12/13/04 15:19 / smd
Anions	51.1	meq/L				Calculation	12/13/04 15:19 / smd
Cations	55.6	meq/L				Calculation	12/13/04 15:19 / smd
Solids, Total Dissolved Calculated	3290	mg/L				Calculation	12/13/04 15:19 / smd
TDS Balance (0.80 - 1.20)	1.04	dec. %				Calculation	12/13/04 15:19 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-003
Client Sample ID: WN-2

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	94	mg/L		5		E200.7	08/24/04 12:05 / ts
Nitrogen, Nitrate+Nitrite as N	34.5	mg/L	D	0.30		E353.2	08/20/04 10:46 / jal
Sulfate	1770	mg/L		5		E200.7	08/24/04 12:05 / ts
PHYSICAL PROPERTIES							
pH	6.85	s.u.		0.01		A4500-H B	08/20/04 17:07 / dd
Solids, Total Dissolved TDS @ 180 C	4220	mg/L		10		A2540 C	08/20/04 16:05 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 19:45 / bws
Cadmium	ND	mg/L	D	0.001		E200.8	09/14/04 19:45 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 19:45 / bws
Lead	ND	mg/L		0.005		E200.8	09/14/04 19:45 / bws
Mercury	ND	mg/L		0.05		E200.8	09/14/04 19:45 / bws
Selenium	0.033	mg/L	D	0.006		E200.8	09/14/04 19:45 / bws
Uranium	0.893	mg/L		0.001		E200.8	09/14/04 19:45 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-006
Client Sample ID: WN-2

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	664	mg/L		10		A2320 B	11/24/04 12:56 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 12:56 / nlm
Bicarbonate as HCO3	810	mg/L		1		A2320 B	11/24/04 12:56 / nlm
Calcium	884	mg/L	D	0.6		E200.7	12/08/04 16:23 / ts
Chloride	96	mg/L		5		E200.7	12/08/04 16:20 / ts
Magnesium	126	mg/L	D	0.5		E200.7	12/08/04 16:23 / ts
Nitrogen, Ammonia as N	0.49	mg/L		0.05		A4500-NH3 G	11/23/04 10:35 / jal
Nitrogen, Nitrate+Nitrite as N	32.3	mg/L	D	0.30		E353.2	11/22/04 10:43 / jal
Potassium	21.7	mg/L		0.5		E200.7	12/08/04 16:20 / ts
Sodium	71.2	mg/L		0.5		E200.7	12/08/04 16:20 / ts
Sulfate	1920	mg/L	D	8		E200.7	12/08/04 16:23 / ts
PHYSICAL PROPERTIES							
Conductivity	3760	umhos/cm		1.0		A2510 B	11/19/04 16:14 / dd
	7.12	s.u.		0.01		A4500-H B	11/19/04 17:45 / dd
Solids, Total Dissolved TDS @ 180 C	4010	mg/L		10		A2540 C	11/19/04 19:21 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 20:20 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 20:20 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 20:20 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 20:20 / bws
Cadmium	0.002	mg/L	D	0.001		E200.8	12/08/04 20:20 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 20:20 / bws
Iron	0.27	mg/L		0.05		E200.7	12/08/04 16:20 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 20:20 / bws
Manganese	1.10	mg/L		0.05		E200.8	12/08/04 20:20 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 20:20 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 20:20 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 20:20 / bws
Selenium	0.054	mg/L		0.005		E200.8	12/08/04 20:20 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 20:20 / bws
Uranium	0.837	mg/L		0.001		E200.8	12/08/04 20:20 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-006
Client Sample ID: WN-2

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	-0.070	%				Calculation	12/13/04 15:04 / smd
Anions	58.3	meq/L				Calculation	12/13/04 15:04 / smd
Cations	58.2	meq/L				Calculation	12/13/04 15:04 / smd
Solids, Total Dissolved Calculated	3700	mg/L				Calculation	12/13/04 15:04 / smd
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	12/13/04 15:04 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-020
Client Sample ID: WN-3

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	239	mg/L		10		A2320 B	08/24/04 15:40 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 15:40 / nlm
Bicarbonate as HCO3	292	mg/L		1		A2320 B	08/24/04 15:40 / nlm
Calcium	287	mg/L		0.5		E200.7	09/24/04 13:42 / ts
Chloride	46	mg/L		1		E200.7	09/03/04 16:20 / ts
Magnesium	38.6	mg/L		0.5		E200.7	09/03/04 16:20 / ts
Nitrogen, Ammonia as N	0.06	mg/L		0.05		A4500-NH3 G	08/23/04 12:47 / jal
Nitrogen, Nitrate+Nitrite as N	23.5	mg/L	D	0.30		E353.2	08/20/04 11:49 / jal
Potassium	10.9	mg/L		0.5		E200.7	09/03/04 16:20 / ts
Sodium	70.1	mg/L		0.5		E200.7	09/03/04 16:20 / ts
Sulfate	590	mg/L		5		E200.7	09/03/04 16:20 / ts
PHYSICAL PROPERTIES							
Conductivity	1640	umhos/cm		1.0		A2510 B	08/23/04 12:38 / dd
pH	7.06	s.u.		0.01		A4500-H B	08/23/04 12:38 / dd
Solids, Total Dissolved TDS @ 180 C	1460	mg/L		10		A2540 C	08/20/04 16:11 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	09/15/04 00:51 / bws
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 00:51 / bws
Barium	ND	mg/L		0.05		E200.8	09/15/04 00:51 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 13:01 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 00:51 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 00:51 / bws
Iron	ND	mg/L		0.05		E200.7	09/03/04 16:20 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 00:51 / bws
Manganese	ND	mg/L		0.05		E200.8	09/15/04 00:51 / bws
Mercury	ND	mg/L		0.001		E200.8	09/15/04 00:51 / bws
Molybdenum	ND	mg/L		0.1		E200.8	09/15/04 00:51 / bws
Nickel	ND	mg/L		0.05		E200.8	09/15/04 00:51 / bws
Selenium	ND	mg/L		0.005		E200.8	09/15/04 00:51 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 00:51 / bws
Uranium	1.08	mg/L		0.001		E200.8	09/15/04 00:51 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-020
Client Sample ID: WN-3

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.94	%				Calculation	09/27/04 09:25 / smd
Anions	20.1	meq/L				Calculation	09/27/04 09:25 / smd
Cations	20.8	meq/L				Calculation	09/27/04 09:25 / smd
Solids, Total Dissolved Calculated	1290	mg/L				Calculation	09/27/04 09:25 / smd
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	09/27/04 09:25 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-016
Client Sample ID: WN-3

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	240	mg/L		10		A2320 B	11/29/04 15:06 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 15:06 / nlm
Bicarbonate as HCO3	293	mg/L		1		A2320 B	11/29/04 15:06 / nlm
Calcium	284	mg/L	D	0.6		E200.7	12/13/04 08:58 / ts
Chloride	49	mg/L		5		E200.7	12/09/04 12:51 / ts
Magnesium	39.3	mg/L		0.5		E200.7	12/09/04 12:51 / ts
Nitrogen, Ammonia as N	0.08	mg/L		0.05		A4500-NH3 G	11/23/04 11:13 / jal
Nitrogen, Nitrate+Nitrite as N	23.8	mg/L	D	0.30		E353.2	11/22/04 13:52 / jal
Potassium	12.1	mg/L		0.5		E200.7	12/09/04 12:51 / ts
Sodium	66.4	mg/L		0.5		E200.7	12/09/04 12:51 / ts
Sulfate	600	mg/L		5		E200.7	12/09/04 12:51 / ts
PHYSICAL PROPERTIES							
Conductivity	1700	umhos/cm		1.0		A2510 B	11/19/04 16:29 / dd
	7.40	s.u.		0.01		A4500-H B	11/19/04 17:57 / dd
Solids, Total Dissolved TDS @ 180 C	1410	mg/L		10		A2540 C	11/19/04 19:24 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 22:21 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 22:21 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 22:21 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 22:21 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 22:21 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 22:21 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 12:51 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 22:21 / bws
Manganese	ND	mg/L		0.05		E200.8	12/08/04 22:21 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 22:21 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 22:21 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 22:21 / bws
Selenium	ND	mg/L		0.005		E200.8	12/08/04 22:21 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 22:21 / bws
Uranium	1.04	mg/L		0.001		E200.8	12/08/04 22:21 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL Increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-016
Client Sample ID: WN-3

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	0.587	%				Calculation	12/14/04 12:57 / smd
Anions	20.4	meq/L				Calculation	12/14/04 12:57 / smd
Cations	20.6	meq/L				Calculation	12/14/04 12:57 / smd
Solids, Total Dissolved Calculated	1350	mg/L				Calculation	12/14/04 12:57 / smd
TDS Balance (0.80 - 1.20)	1.04	dec. %				Calculation	12/14/04 12:57 / smd

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-023
Client Sample ID: WN-4E

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	387	mg/L		10		A2320 B	08/24/04 16:26 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 16:26 / nlm
Bicarbonate as HCO3	472	mg/L		1		A2320 B	08/24/04 16:26 / nlm
Calcium	715	mg/L	D	0.6		E200.7	09/03/04 16:29 / ts
Chloride	130	mg/L		1		E200.7	09/03/04 16:29 / ts
Magnesium	158	mg/L	D	0.5		E200.7	09/03/04 16:29 / ts
Nitrogen, Ammonia as N	9.4	mg/L	D	0.2		A4500-NH3 G	08/23/04 12:59 / jal
Nitrogen, Nitrate+Nitrite as N	30.9	mg/L	D	0.30		E353.2	08/20/04 12:09 / jal
Potassium	35.6	mg/L	D	0.5		E200.7	09/03/04 16:29 / ts
Sodium	251	mg/L	D	0.6		E200.7	09/03/04 16:29 / ts
Sulfate	2120	mg/L	D	8		E200.7	09/03/04 16:29 / ts

PHYSICAL PROPERTIES

Conductivity	4000	umhos/cm		1.0		A2510 B	08/23/04 12:48 / dd
	6.52	s.u.		0.01		A4500-H B	08/23/04 12:48 / dd
Solids, Total Dissolved TDS @ 180 C	4020	mg/L		10		A2540 C	08/20/04 16:13 / dd

METALS - DISSOLVED

Aluminum	0.4	mg/L		0.1		E200.8	09/15/04 01:33 / bws
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 01:33 / bws
Barium	ND	mg/L		0.05		E200.8	09/15/04 01:33 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 14:11 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 01:33 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 01:33 / bws
Iron	0.20	mg/L		0.05		E200.7	09/03/04 16:29 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 01:33 / bws
Manganese	13.1	mg/L		0.05		E200.8	09/15/04 01:33 / bws
Mercury	ND	mg/L		0.001		E200.8	09/15/04 01:33 / bws
Molybdenum	0.2	mg/L		0.1		E200.8	09/15/04 01:33 / bws
Nickel	ND	mg/L		0.05		E200.8	09/15/04 01:33 / bws
Selenium	0.012	mg/L		0.005		E200.8	09/15/04 01:33 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 01:33 / bws
Uranium	0.962	mg/L		0.001		E200.8	09/15/04 01:33 / bws

RADIONUCLIDES - DISSOLVED

Radium 226	1.1	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 226 precision (±)	0.4	pCi/L				E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-023
Client Sample ID: WN-4E

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph
DATA QUALITY							
A/C Balance (± 5)	2.80	%				Calculation	09/08/04 15:57 / smd
Anions	57.9	meq/L				Calculation	09/08/04 15:57 / smd
Cations	61.2	meq/L				Calculation	09/08/04 15:57 / smd
Solids, Total Dissolved Calculated	3780	mg/L				Calculation	09/08/04 15:57 / smd
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	09/08/04 15:57 / smd

Port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-015
Client Sample ID: WN-4E

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	411	mg/L		10		A2320 B	11/24/04 15:14 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 15:14 / nlm
Bicarbonate as HCO3	502	mg/L		1		A2320 B	11/24/04 15:14 / nlm
Calcium	618	mg/L	D	0.6		E200.7	12/09/04 12:48 / ts
Chloride	148	mg/L		5		E200.7	12/09/04 12:45 / ts
Magnesium	189	mg/L	D	0.5		E200.7	12/09/04 12:48 / ts
Nitrogen, Ammonia as N	60.9	mg/L	D	0.2		A4500-NH3 G	11/23/04 11:11 / jal
Nitrogen, Nitrate+Nitrite as N	22.7	mg/L	D	0.30		E353.2	11/22/04 13:50 / jal
Potassium	98.3	mg/L		0.5		E200.7	12/09/04 12:45 / ts
Sodium	264	mg/L		0.5		E200.7	12/09/04 12:45 / ts
Sulfate	2440	mg/L	D	8		E200.7	12/09/04 12:48 / ts
PHYSICAL PROPERTIES							
Conductivity	4580	umhos/cm		1.0		A2510 B	11/19/04 16:28 / dd
	6.79	s.u.		0.01		A4500-H B	11/19/04 17:56 / dd
Solids, Total Dissolved TDS @ 180 C	4050	mg/L		10		A2540 C	11/19/04 19:24 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 22:14 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 22:14 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 22:14 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 22:14 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 22:14 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 22:14 / bws
Iron	0.22	mg/L		0.05		E200.7	12/09/04 12:45 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 22:14 / bws
Manganese	28.6	mg/L		0.05		E200.8	12/08/04 22:14 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 22:14 / bws
Molybdenum	0.1	mg/L		0.1		E200.8	12/08/04 22:14 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 22:14 / bws
Selenium	0.008	mg/L		0.005		E200.8	12/08/04 22:14 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 22:14 / bws
Uranium	0.762	mg/L		0.001		E200.8	12/08/04 22:14 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-015
Client Sample ID: WN-4E

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.62	%				Calculation	12/13/04 15:07 / smd
Anions	64.7	meq/L				Calculation	12/13/04 15:07 / smd
Cations	66.9	meq/L				Calculation	12/13/04 15:07 / smd
Solids, Total Dissolved Calculated	4140	mg/L				Calculation	12/13/04 15:07 / smd
TDS Balance (0.80 - 1.20)	0.980	dec. %				Calculation	12/13/04 15:07 / smd

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inltions:

RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-022
Client Sample ID: WN-4R

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	244	mg/L		10		A2320 B	08/24/04 15:59 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 15:59 / nlm
Bicarbonate as HCO3	298	mg/L		1		A2320 B	08/24/04 15:59 / nlm
Calcium	517	mg/L	D	0.6		E200.7	09/03/04 16:26 / ts
Chloride	95	mg/L		1		E200.7	09/03/04 16:26 / ts
Magnesium	240	mg/L	D	0.5		E200.7	09/03/04 16:26 / ts
Nitrogen, Ammonia as N	204	mg/L	D	2		A4500-NH3 G	08/23/04 12:57 / jal
Nitrogen, Nitrate+Nitrite as N	44.3	mg/L	D	0.30		E353.2	08/20/04 12:06 / jal
Potassium	71.8	mg/L	D	0.5		E200.7	09/03/04 16:26 / ts
Sodium	250	mg/L	D	0.6		E200.7	09/03/04 16:26 / ts
Sulfate	2890	mg/L	D	8		E200.7	09/03/04 16:26 / ts
PHYSICAL PROPERTIES							
Conductivity	5380	umhos/cm		1.0		A2510 B	08/23/04 12:47 / dd
	6.17	s.u.		0.01		A4500-H B	08/23/04 12:47 / dd
Solids, Total Dissolved TDS @ 180 C	4530	mg/L		10		A2540 C	08/23/04 12:48 / dd
METALS - DISSOLVED							
Aluminum	2.8	mg/L		0.1		E200.8	09/15/04 01:26 / bws
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 01:26 / bws
Barium	ND	mg/L		0.05		E200.8	09/15/04 01:26 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 14:04 / bws
Cadmium	0.017	mg/L		0.001		E200.8	09/15/04 01:26 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 01:26 / bws
Iron	ND	mg/L		0.05		E200.7	09/03/04 16:26 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 01:26 / bws
Manganese	75.6	mg/L		0.05		E200.8	09/16/04 14:04 / bws
Mercury	ND	mg/L		0.001		E200.8	09/15/04 01:26 / bws
Molybdenum	ND	mg/L		0.1		E200.8	09/15/04 01:26 / bws
Nickel	0.47	mg/L		0.05		E200.8	09/15/04 01:26 / bws
Selenium	0.021	mg/L		0.005		E200.8	09/15/04 01:26 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 01:26 / bws
Uranium	0.474	mg/L		0.001		E200.8	09/15/04 01:26 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph

port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-022
Client Sample ID: WN-4R

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.35	%				Calculation	09/08/04 15:57 / smd
Anions	70.9	meq/L				Calculation	09/08/04 15:57 / smd
Cations	72.8	meq/L				Calculation	09/08/04 15:57 / smd
Solids, Total Dissolved Calculated	4400	mg/L				Calculation	09/08/04 15:57 / smd
TDS Balance (0.80 - 1.20)	1.03	dec. %				Calculation	09/08/04 15:57 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-013
Client Sample ID: WN-4R

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	232	mg/L		10		A2320 B	11/24/04 14:48 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 14:48 / nlm
Bicarbonate as HCO3	283	mg/L		1		A2320 B	11/24/04 14:48 / nlm
Calcium	524	mg/L	D	0.6		E200.7	12/09/04 12:27 / ts
Chloride	109	mg/L		5		E200.7	12/09/04 12:24 / ts
Magnesium	258	mg/L	D	0.5		E200.7	12/09/04 12:27 / ts
Nitrogen, Ammonia as N	205	mg/L	D	2		A4500-NH3 G	11/23/04 11:01 / jal
Nitrogen, Nitrate+Nitrite as N	57.8	mg/L	D	0.60		E353.2	11/22/04 13:57 / jal
Potassium	74.3	mg/L		0.5		E200.7	12/09/04 12:24 / ts
Sodium	241	mg/L		0.5		E200.7	12/09/04 12:24 / ts
Sulfate	3050	mg/L	D	8		E200.7	12/09/04 12:27 / ts
PHYSICAL PROPERTIES							
Conductivity	5690	umhos/cm		1.0		A2510 B	11/19/04 16:26 / dd
	6.29	s.u.		0.01		A4500-H B	11/19/04 17:54 / dd
Solids, Total Dissolved TDS @ 180 C	4690	mg/L		10		A2540 C	11/19/04 19:23 / dd
METALS - DISSOLVED							
Aluminum	2.3	mg/L		0.1		E200.8	12/08/04 21:59 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 21:59 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 21:59 / bws
Beryllium	0.004	mg/L		0.004		E200.8	12/08/04 21:59 / bws
Cadmium	0.014	mg/L		0.001		E200.8	12/08/04 21:59 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 21:59 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 12:24 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 21:59 / bws
Manganese	75.8	mg/L		0.05		E200.7	12/09/04 12:27 / ts
Mercury	ND	mg/L		0.001		E200.8	12/08/04 21:59 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 21:59 / bws
Nickel	0.48	mg/L		0.05		E200.8	12/08/04 21:59 / bws
Selenium	0.027	mg/L		0.005		E200.8	12/08/04 21:59 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 21:59 / bws
Uranium	0.484	mg/L		0.001		E200.8	12/08/04 21:59 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-013
Client Sample ID: WN-4R

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.12	%				Calculation	12/13/04 15:06 / smd
Anions	75.3	meq/L				Calculation	12/13/04 15:06 / smd
Cations	80.1	meq/L				Calculation	12/13/04 15:06 / smd
Solids, Total Dissolved Calculated	4700	mg/L				Calculation	12/13/04 15:06 / smd
TDS Balance (0.80 - 1.20)	1.00	dec. %				Calculation	12/13/04 15:06 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-016
Client Sample ID: WN-5

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Alkalinity, Total as CaCO ₃	541	mg/L		10	A2320 B	08/24/04 13:47 / nlm
Carbonate as CO ₃	ND	mg/L		1	A2320 B	08/24/04 13:47 / nlm
Bicarbonate as HCO ₃	660	mg/L		1	A2320 B	08/24/04 13:47 / nlm
Calcium	901	mg/L	D	0.6	E200.7	09/03/04 16:08 / ts
Chloride	125	mg/L		1	E200.7	09/03/04 16:08 / ts
Magnesium	119	mg/L	D	0.5	E200.7	09/03/04 16:08 / ts
Nitrogen, Ammonia as N	0.18	mg/L		0.05	A4500-NH ₃ G	08/23/04 12:33 / jal
Nitrogen, Nitrate+Nitrite as N	52.1	mg/L	D	3.0	E353.2	08/20/04 11:39 / jal
Potassium	22.0	mg/L	D	0.5	E200.7	09/03/04 16:08 / ts
Sodium	130	mg/L	D	0.6	E200.7	09/03/04 16:08 / ts
Sulfate	1790	mg/L	D	8	E200.7	09/03/04 16:08 / ts
PHYSICAL PROPERTIES						
Conductivity	3630	umhos/cm		1.0	A2510 B	08/20/04 18:04 / dd
	6.84	s.u.		0.01	A4500-H B	08/20/04 18:04 / dd
Solids, Total Dissolved TDS @ 180 C	4050	mg/L		10	A2540 C	08/20/04 16:09 / dd
METALS - DISSOLVED						
Aluminum	0.3	mg/L		0.1	E200.8	09/14/04 23:49 / bws
Arsenic	ND	mg/L		0.01	E200.8	09/14/04 23:49 / bws
Barium	ND	mg/L		0.05	E200.8	09/14/04 23:49 / bws
Beryllium	ND	mg/L		0.004	E200.8	09/16/04 12:26 / bws
Cadmium	ND	mg/L		0.001	E200.8	09/14/04 23:49 / bws
Chromium	ND	mg/L		0.005	E200.8	09/14/04 23:49 / bws
Iron	ND	mg/L		0.05	E200.7	09/03/04 16:08 / ts
Lead	ND	mg/L		0.005	E200.8	09/14/04 23:49 / bws
Manganese	0.30	mg/L		0.05	E200.8	09/14/04 23:49 / bws
Mercury	ND	mg/L		0.001	E200.8	09/14/04 23:49 / bws
Molybdenum	ND	mg/L		0.1	E200.8	09/14/04 23:49 / bws
Nickel	ND	mg/L		0.05	E200.8	09/14/04 23:49 / bws
Selenium	0.022	mg/L		0.005	E200.8	09/14/04 23:49 / bws
Silver	ND	mg/L		0.004	E200.8	09/14/04 23:49 / bws
Uranium	2.15	mg/L		0.001	E200.8	09/14/04 23:49 / bws
RADIONUCLIDES - DISSOLVED						
Radium 226	ND	pCi/L		1.0	E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0	E904.0	08/26/04 11:44 / pj
Thorium 230	ND	pCi/L		0.4	E907.0	08/30/04 10:30 / ph

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-016
Client Sample ID: WN-5

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.97	%				Calculation	09/08/04 15:55 / smd
Anions	55.2	meq/L				Calculation	09/08/04 15:55 / smd
Cations	61.0	meq/L				Calculation	09/08/04 15:55 / smd
Solids, Total Dissolved Calculated	3640	mg/L				Calculation	09/08/04 15:55 / smd
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	09/08/04 15:55 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-007
Client Sample ID: WN-5

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	563	mg/L		10		A2320 B	11/24/04 13:04 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 13:04 / nlm
Bicarbonate as HCO3	687	mg/L		1		A2320 B	11/24/04 13:04 / nlm
Calcium	876	mg/L	D	0.6		E200.7	12/08/04 16:38 / ts
Chloride	141	mg/L		5		E200.7	12/08/04 16:26 / ts
Magnesium	127	mg/L	D	0.5		E200.7	12/08/04 16:38 / ts
Nitrogen, Ammonia as N	0.17	mg/L		0.05		A4500-NH3 G	11/23/04 10:37 / jal
Nitrogen, Nitrate+Nitrite as N	63.7	mg/L	D	1.5		E353.2	11/22/04 10:51 / jal
Potassium	23.4	mg/L		0.5		E200.7	12/08/04 16:26 / ts
Sodium	120	mg/L		0.5		E200.7	12/08/04 16:26 / ts
Sulfate	1870	mg/L	D	8		E200.7	12/08/04 16:38 / ts
PHYSICAL PROPERTIES							
Conductivity	4090	umhos/cm		1.0		A2510 B	11/19/04 16:16 / dd
	7.01	s.u.		0.01		A4500-H B	11/19/04 17:46 / dd
Solids, Total Dissolved TDS @ 180 C	4070	mg/L		10		A2540 C	11/19/04 19:21 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 20:27 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 20:27 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 20:27 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 20:27 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 20:27 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 20:27 / bws
Iron	ND	mg/L		0.05		E200.7	12/08/04 16:26 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 20:27 / bws
Manganese	0.32	mg/L		0.05		E200.8	12/08/04 20:27 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 20:27 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 20:27 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 20:27 / bws
Selenium	0.025	mg/L		0.005		E200.8	12/08/04 20:27 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 20:27 / bws
Uranium	2.17	mg/L		0.001		E200.8	12/08/04 20:27 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-007
Client Sample ID: WN-5

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.12	%				Calculation	12/13/04 15:05 / smd
Anions	58.7	meq/L				Calculation	12/13/04 15:05 / smd
Cations	60.0	meq/L				Calculation	12/13/04 15:05 / smd
Solids, Total Dissolved Calculated	3820	mg/L				Calculation	12/13/04 15:05 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	12/13/04 15:05 / smd

port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-024
Client Sample ID: WN-5E

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	539	mg/L		10		A2320 B	08/24/04 16:37 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 16:37 / nlm
Bicarbonate as HCO3	658	mg/L		1		A2320 B	08/24/04 16:37 / nlm
Calcium	803	mg/L	D	0.6		E200.7	09/03/04 16:32 / ts
Chloride	105	mg/L		1		E200.7	09/03/04 16:32 / ts
Magnesium	120	mg/L	D	0.5		E200.7	09/03/04 16:32 / ts
Nitrogen, Ammonia as N	0.11	mg/L		0.05		A4500-NH3 G	08/23/04 13:01 / jal
Nitrogen, Nitrate+Nitrite as N	76.4	mg/L	D	1.5		E353.2	08/20/04 14:21 / jal
Potassium	18.2	mg/L	D	0.5		E200.7	09/03/04 16:32 / ts
Sodium	82.8	mg/L	D	0.6		E200.7	09/03/04 16:32 / ts
Sulfate	1480	mg/L	D	8		E200.7	09/03/04 16:32 / ts
PHYSICAL PROPERTIES							
Conductivity	3510	umhos/cm		1.0		A2510 B	08/23/04 12:51 / dd
pH	6.79	s.u.		0.01		A4500-H B	08/23/04 12:51 / dd
Solids, Total Dissolved TDS @ 180 C	3610	mg/L		10		A2540 C	08/20/04 16:13 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	09/15/04 01:40 / bws
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 01:40 / bws
Barium	ND	mg/L		0.05		E200.8	09/15/04 01:40 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 14:18 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 01:40 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 01:40 / bws
Iron	ND	mg/L		0.05		E200.7	09/03/04 16:32 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 01:40 / bws
Manganese	0.21	mg/L		0.05		E200.8	09/15/04 01:40 / bws
Mercury	ND	mg/L		0.001		E200.8	09/15/04 01:40 / bws
Molybdenum	ND	mg/L		0.1		E200.8	09/15/04 01:40 / bws
Nickel	ND	mg/L		0.05		E200.8	09/15/04 01:40 / bws
Selenium	0.013	mg/L		0.005		E200.8	09/15/04 01:40 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 01:40 / bws
Uranium	2.45	mg/L		0.001		E200.8	09/15/04 01:40 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-024
Client Sample ID: WN-5E

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.92	%				Calculation	09/08/04 15:58 / smd
Anions	49.9	meq/L				Calculation	09/08/04 15:58 / smd
Cations	54.0	meq/L				Calculation	09/08/04 15:58 / smd
Solids, Total Dissolved Calculated	3270	mg/L				Calculation	09/08/04 15:58 / smd
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	09/08/04 15:58 / smd

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-011
Client Sample ID: WN-5E

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	560	mg/L		10		A2320 B	11/24/04 14:22 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 14:22 / nlm
Bicarbonate as HCO3	683	mg/L		1		A2320 B	11/24/04 14:22 / nlm
Calcium	780	mg/L	D	0.6		E200.7	12/09/04 12:15 / ts
Chloride	108	mg/L		5		E200.7	12/09/04 12:12 / ts
Magnesium	125	mg/L	D	0.5		E200.7	12/09/04 12:15 / ts
Nitrogen, Ammonia as N	0.19	mg/L		0.05		A4500-NH3 G	11/23/04 10:57 / jal
Nitrogen, Nitrate+Nitrite as N	79.9	mg/L	D	1.5		E353.2	11/22/04 12:23 / jal
Potassium	17.9	mg/L		0.5		E200.7	12/09/04 12:12 / ts
Sodium	77.2	mg/L		0.5		E200.7	12/09/04 12:12 / ts
Sulfate	1530	mg/L		5		E200.7	12/09/04 12:12 / ts
PHYSICAL PROPERTIES							
Conductivity	3720	umhos/cm		1.0		A2510 B	11/19/04 16:20 / dd
	7.19	s.u.		0.01		A4500-H B	11/19/04 17:51 / dd
Solids, Total Dissolved TDS @ 180 C	3660	mg/L		10		A2540 C	11/19/04 19:23 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 20:55 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 20:55 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 20:55 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 20:55 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 20:55 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 20:55 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 12:12 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 20:55 / bws
Manganese	0.22	mg/L		0.05		E200.8	12/08/04 20:55 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 20:55 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 20:55 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 20:55 / bws
Selenium	0.017	mg/L		0.005		E200.8	12/08/04 20:55 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 20:55 / bws
Uranium	2.56	mg/L		0.001		E200.8	12/08/04 20:55 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-011
Client Sample ID: WN-5E

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.22	%				Calculation	12/13/04 15:06 / smd
Anions	51.8	meq/L				Calculation	12/13/04 15:06 / smd
Cations	53.1	meq/L				Calculation	12/13/04 15:06 / smd
Solids, Total Dissolved Calculated	3370	mg/L				Calculation	12/13/04 15:06 / smd
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	12/13/04 15:06 / smd

Port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-014
Client Sample ID: WN-5R

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	553	mg/L		10		A2320 B	08/24/04 15:31 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 15:31 / nlm
Bicarbonate as HCO3	674	mg/L		1		A2320 B	08/24/04 15:31 / nlm
Calcium	905	mg/L	D	0.6		E200.7	09/03/04 15:52 / ts
Chloride	120	mg/L		1		E200.7	09/03/04 15:52 / ts
Magnesium	120	mg/L	D	0.5		E200.7	09/03/04 15:52 / ts
Nitrogen, Ammonia as N	0.19	mg/L		0.05		A4500-NH3 G	08/23/04 12:29 / jal
Nitrogen, Nitrate+Nitrite as N	50.0	mg/L	D	3.0		E353.2	08/20/04 11:26 / jal
Potassium	21.1	mg/L	D	0.5		E200.7	09/03/04 15:52 / ts
Sodium	133	mg/L	D	0.6		E200.7	09/03/04 15:52 / ts
Sulfate	1880	mg/L	D	8		E200.7	09/03/04 15:52 / ts
PHYSICAL PROPERTIES							
Conductivity	3840	umhos/cm		1.0		A2510 B	08/20/04 17:52 / dd
	6.81	s.u.		0.01		A4500-H B	08/20/04 17:52 / dd
Solids, Total Dissolved TDS @ 180 C	4120	mg/L		10		A2540 C	08/20/04 16:08 / dd
METALS - DISSOLVED							
Aluminum	0.3	mg/L		0.1		E200.8	09/14/04 23:28 / bws
Arsenic	ND	mg/L		0.01		E200.8	09/14/04 23:28 / bws
Barium	ND	mg/L		0.05		E200.8	09/14/04 23:28 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 12:12 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 23:28 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 23:28 / bws
Iron	ND	mg/L		0.05		E200.7	09/03/04 15:52 / ts
Lead	ND	mg/L		0.005		E200.8	09/14/04 23:28 / bws
Manganese	0.30	mg/L		0.05		E200.8	09/14/04 23:28 / bws
Mercury	ND	mg/L		0.001		E200.8	09/14/04 23:28 / bws
Molybdenum	ND	mg/L		0.1		E200.8	09/14/04 23:28 / bws
Nickel	ND	mg/L		0.05		E200.8	09/14/04 23:28 / bws
Selenium	0.020	mg/L		0.005		E200.8	09/14/04 23:28 / bws
Silver	ND	mg/L		0.004		E200.8	09/14/04 23:28 / bws
Uranium	2.08	mg/L		0.001		E200.8	09/14/04 23:28 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 11:44 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-014
Client Sample ID: WN-5R

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.44	%				Calculation	09/14/04 13:13 / smd
Anions	57.2	meq/L				Calculation	09/14/04 13:13 / smd
Cations	61.3	meq/L				Calculation	09/14/04 13:13 / smd
Solids, Total Dissolved Calculated	3740	mg/L				Calculation	09/14/04 13:13 / smd
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	09/14/04 13:13 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-008
Client Sample ID: WN-5R

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	562	mg/L		10		A2320 B	11/24/04 13:16 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 13:16 / nlm
Bicarbonate as HCO3	686	mg/L		1		A2320 B	11/24/04 13:16 / nlm
Calcium	899	mg/L	D	0.6		E200.7	12/08/04 16:44 / ts
Chloride	143	mg/L		5		E200.7	12/08/04 16:41 / ts
Magnesium	130	mg/L	D	0.5		E200.7	12/08/04 16:44 / ts
Nitrogen, Ammonia as N	0.20	mg/L		0.05		A4500-NH3 G	11/23/04 10:39 / jal
Nitrogen, Nitrate+Nitrite as N	61.8	mg/L	D	1.5		E353.2	11/22/04 10:53 / jal
Potassium	23.6	mg/L		0.5		E200.7	12/08/04 16:41 / ts
Sodium	120	mg/L		0.5		E200.7	12/08/04 16:41 / ts
Sulfate	1910	mg/L	D	8		E200.7	12/08/04 16:44 / ts
PHYSICAL PROPERTIES							
Conductivity	4090	umhos/cm		1.0		A2510 B	11/19/04 16:17 / dd
	6.99	s.u.		0.01		A4500-H B	11/19/04 17:47 / dd
Solids, Total Dissolved TDS @ 180 C	4120	mg/L		10		A2540 C	11/19/04 19:21 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 20:34 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 20:34 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 20:34 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 20:34 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 20:34 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 20:34 / bws
Iron	ND	mg/L		0.05		E200.7	12/08/04 16:41 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 20:34 / bws
Manganese	0.31	mg/L		0.05		E200.8	12/08/04 20:34 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 20:34 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 20:34 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 20:34 / bws
Selenium	0.025	mg/L		0.005		E200.8	12/08/04 20:34 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 20:34 / bws
Uranium	2.21	mg/L		0.001		E200.8	12/08/04 20:34 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-008
Client Sample ID: WN-5R

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.62	%				Calculation	12/13/04 15:05 / smd
Anions	59.4	meq/L				Calculation	12/13/04 15:05 / smd
Cations	61.4	meq/L				Calculation	12/13/04 15:05 / smd
Solids, Total Dissolved Calculated	3880	mg/L				Calculation	12/13/04 15:05 / smd
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	12/13/04 15:05 / smd

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-015
Client Sample ID: WN-5S

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Alkalinity, Total as CaCO ₃	548	mg/L		10	A2320 B	08/24/04 13:36 / nlm
Carbonate as CO ₃	ND	mg/L		1	A2320 B	08/24/04 13:36 / nlm
Bicarbonate as HCO ₃	668	mg/L		1	A2320 B	08/24/04 13:36 / nlm
Calcium	903	mg/L	D	0.6	E200.7	09/03/04 15:56 / ts
Chloride	126	mg/L		1	E200.7	09/03/04 15:56 / ts
Magnesium	119	mg/L	D	0.5	E200.7	09/03/04 15:56 / ts
Nitrogen, Ammonia as N	0.17	mg/L		0.05	A4500-NH ₃ G	08/23/04 12:31 / jal
Nitrogen, Nitrate+Nitrite as N	54.7	mg/L	D	3.0	E353.2	08/20/04 11:28 / jal
Potassium	20.8	mg/L	D	0.5	E200.7	09/03/04 15:56 / ts
Sodium	128	mg/L	D	0.6	E200.7	09/03/04 15:56 / ts
Sulfate	1780	mg/L	D	8	E200.7	09/03/04 15:56 / ts
PHYSICAL PROPERTIES						
Conductivity	3890	umhos/cm		1.0	A2510 B	08/20/04 17:54 / dd
	6.81	s.u.		0.01	A4500-H B	08/20/04 17:54 / dd
Solids, Total Dissolved TDS @ 180 C	4040	mg/L		10	A2540 C	08/20/04 16:08 / dd
METALS - DISSOLVED						
Aluminum	ND	mg/L		0.1	E200.8	09/14/04 23:35 / bws
Arsenic	ND	mg/L		0.01	E200.8	09/14/04 23:35 / bws
Barium	ND	mg/L		0.05	E200.8	09/14/04 23:35 / bws
Beryllium	ND	mg/L		0.004	E200.8	09/16/04 12:19 / bws
Cadmium	ND	mg/L		0.001	E200.8	09/14/04 23:35 / bws
Chromium	ND	mg/L		0.005	E200.8	09/14/04 23:35 / bws
Iron	ND	mg/L		0.05	E200.7	09/03/04 15:56 / ts
Lead	ND	mg/L		0.005	E200.8	09/14/04 23:35 / bws
Manganese	0.28	mg/L		0.05	E200.8	09/14/04 23:35 / bws
Mercury	ND	mg/L		0.001	E200.8	09/14/04 23:35 / bws
Molybdenum	ND	mg/L		0.1	E200.8	09/14/04 23:35 / bws
Nickel	ND	mg/L		0.05	E200.8	09/14/04 23:35 / bws
Selenium	0.021	mg/L		0.005	E200.8	09/14/04 23:35 / bws
Silver	ND	mg/L		0.004	E200.8	09/14/04 23:35 / bws
Uranium	2.19	mg/L		0.001	E200.8	09/14/04 23:35 / bws
RADIONUCLIDES - DISSOLVED						
Radium 226	ND	pCi/L		1.0	E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0	E904.0	08/26/04 11:44 / pj
Thorium 230	ND	pCi/L		0.4	E907.0	08/27/04 10:30 / ph

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-015
Client Sample ID: WN-5S

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.82	%				Calculation	09/08/04 15:55 / smd
Anions	55.4	meq/L				Calculation	09/08/04 15:55 / smd
Cations	61.0	meq/L				Calculation	09/08/04 15:55 / smd
Solids, Total Dissolved Calculated	3640	mg/L				Calculation	09/08/04 15:55 / smd
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	09/08/04 15:55 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-009
Client Sample ID: WN-5S

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	562	mg/L		10		A2320 B	11/24/04 13:28 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 13:28 / nlm
Bicarbonate as HCO3	685	mg/L		1		A2320 B	11/24/04 13:28 / nlm
Calcium	926	mg/L	D	0.6		E200.7	12/08/04 16:50 / ts
Chloride	141	mg/L		5		E200.7	12/08/04 16:47 / ts
Magnesium	132	mg/L	D	0.5		E200.7	12/08/04 16:50 / ts
Nitrogen, Ammonia as N	0.17	mg/L		0.05		A4500-NH3 G	11/23/04 10:51 / jal
Nitrogen, Nitrate+Nitrite as N	63.2	mg/L	D	1.5		E353.2	11/22/04 10:56 / jal
Potassium	23.2	mg/L		0.5		E200.7	12/08/04 16:47 / ts
Sodium	120	mg/L		0.5		E200.7	12/08/04 16:47 / ts
Sulfate	1950	mg/L	D	8		E200.7	12/08/04 16:50 / ts
PHYSICAL PROPERTIES							
Conductivity	4090	umhos/cm		1.0		A2510 B	11/19/04 16:18 / dd
	6.98	s.u.		0.01		A4500-H B	11/19/04 17:48 / dd
Solids, Total Dissolved TDS @ 180 C	4150	mg/L		10		A2540 C	11/19/04 19:21 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 20:41 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 20:41 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 20:41 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 20:41 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 20:41 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 20:41 / bws
Iron	ND	mg/L		0.05		E200.7	12/08/04 16:47 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 20:41 / bws
Manganese	0.32	mg/L		0.05		E200.8	12/08/04 20:41 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 20:41 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 20:41 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 20:41 / bws
Selenium	0.029	mg/L		0.005		E200.8	12/08/04 20:41 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 20:41 / bws
Uranium	2.19	mg/L		0.001		E200.8	12/08/04 20:41 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-009
Client Sample ID: WN-5S

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.05	%				Calculation	12/13/04 15:05 / smd
Anions	60.4	meq/L				Calculation	12/13/04 15:05 / smd
Cations	62.9	meq/L				Calculation	12/13/04 15:05 / smd
Solids, Total Dissolved Calculated	3950	mg/L				Calculation	12/13/04 15:05 / smd
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	12/13/04 15:05 / smd

port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-002
Client Sample ID: WN-7

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	146	mg/L		5		E200.7	08/24/04 12:02 / ts
Nitrogen, Nitrate+Nitrite as N	20.4	mg/L	D	0.30		E353.2	08/20/04 10:44 / jal
Sulfate	2590	mg/L	D	8		E200.7	09/20/04 14:23 / ts
PHYSICAL PROPERTIES							
pH	6.36	s.u.		0.01		A4500-H B	08/20/04 17:02 / dd
Solids, Total Dissolved TDS @ 180 C	4810	mg/L		10		A2540 C	08/20/04 16:04 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 19:10 / bws
Cadmium	0.002	mg/L	D	0.001		E200.8	09/14/04 19:10 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 19:10 / bws
Lead	ND	mg/L		0.005		E200.8	09/14/04 19:10 / bws
Manganese	ND	mg/L		0.05		E200.8	09/14/04 19:10 / bws
Mercury	0.018	mg/L	D	0.006		E200.8	09/14/04 19:10 / bws
Uranium	0.217	mg/L		0.001		E200.8	09/14/04 19:10 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Port
Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-014
Client Sample ID: WN-7

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	473	mg/L		10		A2320 B	11/24/04 15:01 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 15:01 / nlm
Bicarbonate as HCO3	577	mg/L		1		A2320 B	11/24/04 15:01 / nlm
Calcium	799	mg/L	D	0.6		E200.7	12/09/04 12:42 / ts
Chloride	162	mg/L		5		E200.7	12/09/04 12:30 / ts
Magnesium	266	mg/L	D	0.5		E200.7	12/09/04 12:42 / ts
Nitrogen, Ammonia as N	1.41	mg/L		0.05		A4500-NH3 G	11/23/04 11:09 / jal
Nitrogen, Nitrate+Nitrite as N	21.6	mg/L	D	0.30		E353.2	11/22/04 13:47 / jal
Potassium	25.0	mg/L		0.5		E200.7	12/09/04 12:30 / ts
Sodium	204	mg/L		0.5		E200.7	12/09/04 12:30 / ts
Sulfate	2740	mg/L	D	8		E200.7	12/09/04 12:42 / ts
PHYSICAL PROPERTIES							
Conductivity	4540	umhos/cm		1.0		A2510 B	11/19/04 16:27 / dd
	6.65	s.u.		0.01		A4500-H B	11/19/04 17:55 / dd
Solids, Total Dissolved TDS @ 180 C	4840	mg/L		10		A2540 C	11/19/04 19:23 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 22:07 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 22:07 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 22:07 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 22:07 / bws
Cadmium	0.006	mg/L	D	0.001		E200.8	12/08/04 22:07 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 22:07 / bws
Iron	1.30	mg/L		0.05		E200.7	12/09/04 12:30 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 22:07 / bws
Manganese	30.3	mg/L		0.05		E200.8	12/08/04 22:07 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 22:07 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 22:07 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 22:07 / bws
Selenium	0.038	mg/L		0.005		E200.8	12/08/04 22:07 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 22:07 / bws
Uranium	0.181	mg/L		0.001		E200.8	12/08/04 22:07 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-014
Client Sample ID: WN-7

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	0.638	%				Calculation	12/13/04 15:07 / smd
Anions	72.7	meq/L				Calculation	12/13/04 15:07 / smd
Cations	73.6	meq/L				Calculation	12/13/04 15:07 / smd
Solids, Total Dissolved Calculated	4580	mg/L				Calculation	12/13/04 15:07 / smd
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	12/13/04 15:07 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-007
Client Sample ID: WN-15

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	18	mg/L	D	5		E200.7	08/24/04 12:17 / ts
Nitrogen, Nitrate+Nitrite as N	12.7	mg/L		0.30		E353.2	08/20/04 11:04 / jal
Sulfate	297	mg/L		5		E200.7	08/24/04 12:17 / ts
PHYSICAL PROPERTIES							
pH	7.42	s.u.		0.01		A4500-H B	08/20/04 17:21 / dd
Solids, Total Dissolved TDS @ 180 C	760	mg/L		10		A2540 C	08/20/04 16:06 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 20:20 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 20:20 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 20:20 / bws
Lead	ND	mg/L		0.005		E200.8	09/14/04 20:20 / bws
Mercury	ND	mg/L		0.05		E200.8	09/14/04 20:20 / bws
Selenium	ND	mg/L		0.005		E200.8	09/14/04 20:20 / bws
Uranium	0.176	mg/L		0.001		E200.8	09/14/04 20:20 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-025
Client Sample ID: WN-15

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	170	mg/L		10		A2320 B	11/29/04 11:55 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 11:55 / nlm
Bicarbonate as HCO3	207	mg/L		1		A2320 B	11/29/04 11:55 / nlm
Calcium	177	mg/L		0.5		E200.7	12/09/04 14:11 / ts
Chloride	17	mg/L		5		E200.7	12/09/04 14:11 / ts
Magnesium	27.5	mg/L		0.5		E200.7	12/09/04 14:11 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 12:03 / jal
Nitrogen, Nitrate+Nitrite as N	13.4	mg/L	D	0.30		E353.2	11/22/04 14:30 / jal
Potassium	7.6	mg/L		0.5		E200.7	12/09/04 14:11 / ts
Sodium	14.7	mg/L		0.5		E200.7	12/09/04 14:11 / ts
Sulfate	301	mg/L		5		E200.7	12/09/04 14:11 / ts
PHYSICAL PROPERTIES							
Conductivity	967	umhos/cm		1.0		A2510 B	11/19/04 16:41 / dd
	7.75	s.u.		0.01		A4500-H B	11/19/04 18:06 / dd
Solids, Total Dissolved TDS @ 180 C	776	mg/L		10		A2540 C	11/19/04 19:27 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/09/04 00:22 / bws
Arsenic	0.01	mg/L		0.01		E200.8	12/09/04 00:22 / bws
Barium	0.12	mg/L		0.05		E200.8	12/09/04 00:22 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/09/04 00:22 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/09/04 00:22 / bws
Chromium	ND	mg/L		0.005		E200.8	12/09/04 00:22 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 14:11 / ts
Lead	ND	mg/L		0.005		E200.8	12/09/04 00:22 / bws
Manganese	ND	mg/L		0.05		E200.8	12/09/04 00:22 / bws
Mercury	ND	mg/L		0.001		E200.8	12/09/04 00:22 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/09/04 00:22 / bws
Nickel	ND	mg/L		0.05		E200.8	12/09/04 00:22 / bws
Selenium	ND	mg/L		0.005		E200.8	12/09/04 00:22 / bws
Silver	ND	mg/L		0.004		E200.8	12/09/04 00:22 / bws
Uranium	0.142	mg/L		0.001		E200.8	12/09/04 00:22 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/23/04 14:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/08/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL Increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-025
Client Sample ID: WN-15

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.60	%				Calculation	12/13/04 15:20 / smd
Anions	11.1	meq/L				Calculation	12/13/04 15:20 / smd
Cations	11.9	meq/L				Calculation	12/13/04 15:20 / smd
Solids, Total Dissolved Calculated	748	mg/L				Calculation	12/13/04 15:20 / smd
TDS Balance (0.80 - 1.20)	1.04	dec. %				Calculation	12/13/04 15:20 / smd

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-006
Client Sample ID: WN-16

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	ND	mg/L		5		E200.7	08/24/04 12:14 / ts
Nitrogen, Nitrate+Nitrite as N	1.06	mg/L		0.20		E353.2	08/20/04 11:01 / jal
Sulfate	21	mg/L		5		E200.7	08/24/04 12:14 / ts
PHYSICAL PROPERTIES							
pH	7.67	s.u.		0.01		A4500-H B	08/20/04 17:16 / dd
Solids, Total Dissolved TDS @ 180 C	236	mg/L		10		A2540 C	08/20/04 16:05 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 20:13 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 20:13 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 20:13 / bws
Lead	ND	mg/L		0.005		E200.8	09/14/04 20:13 / bws
Manganese	ND	mg/L		0.05		E200.8	09/14/04 20:13 / bws
Mercury	ND	mg/L		0.005		E200.8	09/14/04 20:13 / bws
Uranium	0.015	mg/L		0.001		E200.8	09/14/04 20:13 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-021
Client Sample ID: WN-16

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	128	mg/L		10		A2320 B	11/29/04 10:48 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 10:48 / nlm
Bicarbonate as HCO3	156	mg/L		1		A2320 B	11/29/04 10:48 / nlm
Calcium	44.9	mg/L		0.5		E200.7	12/09/04 13:25 / ts
Chloride	ND	mg/L		5		E200.7	12/09/04 13:25 / ts
Magnesium	5.9	mg/L		0.5		E200.7	12/09/04 13:25 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 11:51 / jal
Nitrogen, Nitrate+Nitrite as N	1.08	mg/L		0.20		E353.2	11/22/04 14:15 / jal
Potassium	6.2	mg/L		0.5		E200.7	12/09/04 13:25 / ts
Sodium	15.2	mg/L		0.5		E200.7	12/09/04 13:25 / ts
Sulfate	21	mg/L		5		E200.7	12/09/04 13:25 / ts
PHYSICAL PROPERTIES							
Conductivity	298	umhos/cm		1.0		A2510 B	11/19/04 16:35 / dd
	8.01	s.u.		0.01		A4500-H B	11/19/04 18:02 / dd
Solids, Total Dissolved TDS @ 180 C	246	mg/L		10		A2540 C	11/19/04 19:26 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 23:32 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 23:32 / bws
Barium	0.06	mg/L		0.05		E200.8	12/08/04 23:32 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 23:32 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 23:32 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 23:32 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 13:25 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 23:32 / bws
Manganese	ND	mg/L		0.05		E200.8	12/08/04 23:32 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 23:32 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 23:32 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 23:32 / bws
Selenium	ND	mg/L		0.005		E200.8	12/08/04 23:32 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 23:32 / bws
Uranium	0.012	mg/L		0.001		E200.8	12/08/04 23:32 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/08/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-021
Client Sample ID: WN-16

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.40	%				Calculation	12/13/04 15:18 / smd
Anions	3.20	meq/L				Calculation	12/13/04 15:18 / smd
Cations	3.49	meq/L				Calculation	12/13/04 15:18 / smd
Solids, Total Dissolved Calculated	230	mg/L				Calculation	12/13/04 15:18 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	12/13/04 15:18 / smd

Port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-018
Client Sample ID: WN-17

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	184	mg/L		10		A2320 B	08/24/04 14:11 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 14:11 / nlm
Bicarbonate as HCO3	224	mg/L		1		A2320 B	08/24/04 14:11 / nlm
Calcium	62.2	mg/L		0.5		E200.7	09/16/04 16:06 / ts
Chloride	10	mg/L		1		E200.7	09/16/04 16:06 / ts
Magnesium	12.7	mg/L		0.5		E200.7	09/16/04 16:06 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	08/23/04 12:43 / jal
Nitrogen, Nitrate+Nitrite as N	0.21	mg/L		0.20		E353.2	08/20/04 11:43 / jal
Potassium	8.9	mg/L		0.5		E200.7	09/03/04 16:14 / ts
Sodium	25.4	mg/L		0.5		E200.7	09/03/04 16:14 / ts
Sulfate	54	mg/L		5		E200.7	09/03/04 16:14 / ts
PHYSICAL PROPERTIES							
Conductivity	482	umhos/cm		1.0		A2510 B	08/20/04 18:06 / dd
pH	7.71	s.u.		0.01		A4500-H B	08/20/04 18:06 / dd
Solids, Total Dissolved TDS @ 180 C	343	mg/L		10		A2540 C	08/20/04 16:09 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	09/15/04 00:03 / bws
Arsenic	0.02	mg/L		0.01		E200.8	09/15/04 00:03 / bws
Barium	0.05	mg/L		0.05		E200.8	09/15/04 00:03 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 12:47 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 00:03 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 00:03 / bws
Iron	ND	mg/L		0.05		E200.7	09/03/04 16:14 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 00:03 / bws
Manganese	0.10	mg/L		0.05		E200.8	09/15/04 00:03 / bws
Mercury	ND	mg/L		0.001		E200.8	09/15/04 00:03 / bws
Molybdenum	ND	mg/L		0.1		E200.8	09/15/04 00:03 / bws
Nickel	ND	mg/L		0.05		E200.8	09/15/04 00:03 / bws
Selenium	ND	mg/L		0.005		E200.8	09/15/04 00:03 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 00:03 / bws
Uranium	0.048	mg/L		0.001		E200.8	09/15/04 00:03 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-018
Client Sample ID: WN-17

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.94	%				Calculation	09/17/04 14:15 / smd
Anions	5.08	meq/L				Calculation	09/17/04 14:15 / smd
Cations	5.49	meq/L				Calculation	09/17/04 14:15 / smd
Solids, Total Dissolved Calculated	320	mg/L				Calculation	09/17/04 14:15 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	09/17/04 14:15 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-001
Client Sample ID: WN-17

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	186	mg/L		10		A2320 B	11/24/04 11:35 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 11:35 / nlm
Bicarbonate as HCO3	227	mg/L		1		A2320 B	11/24/04 11:35 / nlm
Calcium	66.7	mg/L		0.5		E200.7	12/08/04 15:37 / ts
Chloride	12	mg/L		5		E200.7	12/08/04 15:37 / ts
Magnesium	14.0	mg/L		0.5		E200.7	12/08/04 15:37 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 10:01 / jal
Nitrogen, Nitrate+Nitrite as N	0.24	mg/L		0.20		E353.2	11/19/04 11:21 / jal
Potassium	10.4	mg/L		0.5		E200.7	12/08/04 15:37 / ts
Sodium	28.1	mg/L		0.5		E200.7	12/08/04 15:37 / ts
Sulfate	65	mg/L		5		E200.7	12/08/04 15:37 / ts
PHYSICAL PROPERTIES							
Conductivity	506	umhos/cm		1.0		A2510 B	11/19/04 15:59 / dd
	7.91	s.u.		0.01		A4500-H B	11/19/04 17:39 / dd
Solids, Total Dissolved TDS @ 180 C	367	mg/L		10		A2540 C	11/19/04 19:19 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 18:11 / bws
Arsenic	0.02	mg/L		0.01		E200.8	12/08/04 18:11 / bws
Barium	0.07	mg/L		0.05		E200.8	12/08/04 18:11 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 18:11 / bws
Cadmium	0.002	mg/L		0.001		E200.8	12/08/04 18:11 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 18:11 / bws
Iron	ND	mg/L		0.05		E200.7	12/08/04 15:37 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 18:11 / bws
Manganese	0.12	mg/L		0.05		E200.8	12/08/04 18:11 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 18:11 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 18:11 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 18:11 / bws
Selenium	ND	mg/L		0.005		E200.8	12/08/04 18:11 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 18:11 / bws
Uranium	0.054	mg/L		0.001		E200.8	12/08/04 18:11 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-001
Client Sample ID: WN-17

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.72	%				Calculation	12/13/04 15:03 / smd
Anions	5.44	meq/L				Calculation	12/13/04 15:03 / smd
Cations	5.98	meq/L				Calculation	12/13/04 15:03 / smd
Solids, Total Dissolved Calculated	349	mg/L				Calculation	12/13/04 15:03 / smd
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	12/13/04 15:03 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-017
Client Sample ID: WN-18

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	296	mg/L		10		A2320 B	08/24/04 14:01 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 14:01 / nlm
Bicarbonate as HCO3	342	mg/L		1		A2320 B	08/24/04 14:01 / nlm
Calcium	298	mg/L		0.5		E200.7	09/24/04 13:39 / ts
Chloride	64	mg/L		1		E200.7	09/03/04 16:11 / ts
Magnesium	50.9	mg/L		0.5		E200.7	09/03/04 16:11 / ts
Nitrogen, Ammonia as N	0.08	mg/L		0.05		A4500-NH3 G	08/23/04 12:41 / jal
Nitrogen, Nitrate+Nitrite as N	14.9	mg/L	D	0.60		E353.2	08/20/04 11:41 / jal
Potassium	15.5	mg/L		0.5		E200.7	09/03/04 16:11 / ts
Sodium	113	mg/L		0.5		E200.7	09/03/04 16:11 / ts
Sulfate	628	mg/L		5		E200.7	09/03/04 16:11 / ts
PHYSICAL PROPERTIES							
Conductivity	1910	umhos/cm		1.0		A2510 B	08/20/04 18:05 / dd
pH	7.27	s.u.		0.01		A4500-H B	08/20/04 18:05 / dd
Solids, Total Dissolved TDS @ 180 C	1800	mg/L		10		A2540 C	08/20/04 16:09 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	09/14/04 23:56 / bws
Arsenic	ND	mg/L		0.01		E200.8	09/14/04 23:56 / bws
Barium	0.06	mg/L		0.05		E200.8	09/14/04 23:56 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 12:33 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 23:56 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 23:56 / bws
Iron	ND	mg/L		0.05		E200.7	09/03/04 16:11 / ts
Lead	ND	mg/L		0.005		E200.8	09/14/04 23:56 / bws
Manganese	ND	mg/L		0.05		E200.8	09/14/04 23:56 / bws
Mercury	ND	mg/L		0.001		E200.8	09/14/04 23:56 / bws
Molybdenum	ND	mg/L		0.1		E200.8	09/14/04 23:56 / bws
Nickel	ND	mg/L		0.05		E200.8	09/14/04 23:56 / bws
Selenium	0.006	mg/L		0.005		E200.8	09/14/04 23:56 / bws
Silver	ND	mg/L		0.004		E200.8	09/14/04 23:56 / bws
Uranium	0.686	mg/L		0.001		E200.8	09/14/04 23:56 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 11:44 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-017
Client Sample ID: WN-18

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.98	%				Calculation	09/22/04 14:20 / smd
Anions	22.6	meq/L				Calculation	09/22/04 14:20 / smd
Cations	25.0	meq/L				Calculation	09/22/04 14:20 / smd
Solids, Total Dissolved Calculated	1460	mg/L				Calculation	09/22/04 14:20 / smd
TDS Balance (0.80 - 1.20)	1.19	dec. %				Calculation	09/22/04 14:20 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-002
Client Sample ID: WN-18

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	291	mg/L		10		A2320 B	11/24/04 11:49 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 11:49 / nlm
Bicarbonate as HCO3	355	mg/L		1		A2320 B	11/24/04 11:49 / nlm
Calcium	329	mg/L	D	0.6		E200.7	12/09/04 15:00 / ts
Chloride	67	mg/L		5		E200.7	12/08/04 16:07 / ts
Magnesium	54.8	mg/L		0.5		E200.7	12/08/04 16:07 / ts
Nitrogen, Ammonia as N	0.06	mg/L		0.05		A4500-NH3 G	11/23/04 10:03 / jal
Nitrogen, Nitrate+Nitrite as N	44.7	mg/L	D	0.60		E353.2	11/19/04 11:23 / jal
Potassium	16.8	mg/L		0.5		E200.7	12/08/04 16:07 / ts
Sodium	111	mg/L		0.5		E200.7	12/08/04 16:07 / ts
Sulfate	665	mg/L		5		E200.7	12/08/04 16:07 / ts
PHYSICAL PROPERTIES							
Conductivity	2080	umhos/cm		1.0		A2510 B	11/19/04 16:00 / dd
	7.53	s.u.		0.01		A4500-H B	11/19/04 17:40 / dd
Solids, Total Dissolved TDS @ 180 C	1810	mg/L		10		A2540 C	11/19/04 19:19 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 17:15 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 17:15 / bws
Barium	0.06	mg/L		0.05		E200.8	12/08/04 17:15 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 17:15 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 17:15 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 17:15 / bws
Iron	ND	mg/L		0.05		E200.7	12/08/04 16:07 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 17:15 / bws
Manganese	ND	mg/L		0.05		E200.8	12/08/04 17:15 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 17:15 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 17:15 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 17:15 / bws
Selenium	0.024	mg/L		0.005		E200.8	12/08/04 17:15 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 17:15 / bws
Uranium	0.744	mg/L		0.001		E200.8	12/08/04 17:15 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL Increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-002
Client Sample ID: WN-18

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.86	%				Calculation	12/13/04 15:03 / smd
Anions	24.7	meq/L				Calculation	12/13/04 15:03 / smd
Cations	26.2	meq/L				Calculation	12/13/04 15:03 / smd
Solids, Total Dissolved Calculated	1670	mg/L				Calculation	12/13/04 15:03 / smd
TDS Balance (0.80 - 1.20)	1.08	dec. %				Calculation	12/13/04 15:03 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-001
Client Sample ID: WN-19

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	96	mg/L		5		E200.7	08/24/04 11:49 / ts
Nitrogen, Nitrate+Nitrite as N	2.17	mg/L		0.20		E353.2	08/20/04 10:41 / jal
Sulfate	531	mg/L		5		E200.7	08/24/04 11:49 / ts
PHYSICAL PROPERTIES							
pH	6.92	s.u.		0.01		A4500-H B	08/20/04 17:01 / dd
Solids, Total Dissolved TDS @ 180 C	1290	mg/L		10		A2540 C	08/20/04 16:04 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 18:42 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 18:42 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 18:42 / bws
Lead	ND	mg/L		0.005		E200.8	09/14/04 18:42 / bws
Mel	ND	mg/L		0.05		E200.8	09/14/04 18:42 / bws
Mercury	ND	mg/L		0.005		E200.8	09/14/04 18:42 / bws
Uranium	0.793	mg/L		0.001		E200.8	09/14/04 18:42 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-005
Client Sample ID: WN-19

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	235	mg/L		10		A2320 B	11/24/04 12:44 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 12:44 / nlm
Bicarbonate as HCO3	287	mg/L		1		A2320 B	11/24/04 12:44 / nlm
Calcium	198	mg/L		0.5		E200.7	12/08/04 16:17 / ts
Chloride	112	mg/L		5		E200.7	12/08/04 16:17 / ts
Magnesium	43.1	mg/L		0.5		E200.7	12/08/04 16:17 / ts
Nitrogen, Ammonia as N	0.05	mg/L		0.05		A4500-NH3 G	11/23/04 10:09 / jal
Nitrogen, Nitrate+Nitrite as N	5.40	mg/L		0.20		E353.2	11/19/04 11:31 / jal
Potassium	19.4	mg/L		0.5		E200.7	12/08/04 16:17 / ts
Sodium	157	mg/L		0.5		E200.7	12/08/04 16:17 / ts
Sulfate	567	mg/L		5		E200.7	12/08/04 16:17 / ts
PHYSICAL PROPERTIES							
Conductivity	1770	umhos/cm		1.0		A2510 B	11/19/04 16:10 / dd
	7.45	s.u.		0.01		A4500-H B	11/19/04 17:43 / dd
Solids, Total Dissolved TDS @ 180 C	1350	mg/L		10		A2540 C	11/19/04 19:20 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 18:04 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 18:04 / bws
Barium	0.09	mg/L		0.05		E200.8	12/08/04 18:04 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 18:04 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 18:04 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 18:04 / bws
Iron	ND	mg/L		0.05		E200.7	12/08/04 16:17 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 18:04 / bws
Manganese	0.25	mg/L		0.05		E200.8	12/08/04 18:04 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 18:04 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 18:04 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 18:04 / bws
Selenium	0.006	mg/L		0.005		E200.8	12/08/04 18:04 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 18:04 / bws
Uranium	0.531	mg/L		0.001		E200.8	12/08/04 18:04 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-005
Client Sample ID: WN-19

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.71	%				Calculation	12/13/04 15:04 / smd
Anions	20.1	meq/L				Calculation	12/13/04 15:04 / smd
Cations	20.7	meq/L				Calculation	12/13/04 15:04 / smd
Solids, Total Dissolved Calculated	1300	mg/L				Calculation	12/13/04 15:04 / smd
TDS Balance (0.80 - 1.20)	1.04	dec. %				Calculation	12/13/04 15:04 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-028
Client Sample ID: WN-21

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	196	mg/L		10		A2320 B	08/24/04 17:36 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 17:36 / nlm
Bicarbonate as HCO3	239	mg/L		1		A2320 B	08/24/04 17:36 / nlm
Calcium	93.0	mg/L		0.5		E200.7	08/25/04 11:44 / ts
Chloride	11	mg/L		1		E200.7	08/25/04 11:44 / ts
Magnesium	14.6	mg/L		0.5		E200.7	08/25/04 11:44 / ts
Nitrogen, Ammonia as N	1.66	mg/L		0.05		A4500-NH3 G	08/23/04 13:15 / jal
Nitrogen, Nitrate+Nitrite as N	8.89	mg/L		0.20		E353.2	08/20/04 14:41 / jal
Potassium	7.7	mg/L		0.5		E200.7	08/25/04 11:44 / ts
Sodium	31.0	mg/L		0.5		E200.7	08/25/04 11:44 / ts
Sulfate	109	mg/L		5		E200.7	08/25/04 11:44 / ts
PHYSICAL PROPERTIES							
Conductivity	685	umhos/cm		1.0		A2510 B	08/23/04 13:06 / dd
pH	7.41	s.u.		0.01		A4500-H B	08/23/04 13:06 / dd
Solids, Total Dissolved TDS @ 180 C	515	mg/L		10		A2540 C	08/20/04 16:14 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	08/25/04 11:44 / ts
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 02:43 / bws
Barium	ND	mg/L		0.05		E200.7	08/25/04 11:44 / ts
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 15:21 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 02:43 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 02:43 / bws
Iron	ND	mg/L		0.05		E200.7	08/25/04 11:44 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 02:43 / bws
Manganese	0.27	mg/L		0.05		E200.7	08/25/04 11:44 / ts
Mercury	ND	mg/L		0.001		E200.8	09/15/04 02:43 / bws
Molybdenum	ND	mg/L		0.1		E200.7	08/25/04 11:44 / ts
Nickel	ND	mg/L		0.05		E200.8	09/15/04 02:43 / bws
Selenium	ND	mg/L		0.005		E200.8	09/15/04 02:43 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 02:43 / bws
Uranium	0.122	mg/L		0.001		E200.8	09/15/04 02:43 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-028
Client Sample ID: WN-21

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.68	%				Calculation	09/03/04 11:24 / smd
Anions	7.13	meq/L				Calculation	09/03/04 11:24 / smd
Cations	7.53	meq/L				Calculation	09/03/04 11:24 / smd
Solids, Total Dissolved Calculated	423	mg/L				Calculation	09/03/04 11:24 / smd
TDS Balance (0.80 - 1.20)	1.20	dec. %				Calculation	09/03/04 11:24 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-022
Client Sample ID: WN-21

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	198	mg/L		10		A2320 B	11/29/04 11:02 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 11:02 / nlm
Bicarbonate as HCO3	241	mg/L		1		A2320 B	11/29/04 11:02 / nlm
Calcium	101	mg/L		0.5		E200.7	12/09/04 13:47 / ts
Chloride	13	mg/L		5		E200.7	12/09/04 13:47 / ts
Magnesium	16.0	mg/L		0.5		E200.7	12/09/04 13:47 / ts
Nitrogen, Ammonia as N	1.40	mg/L		0.05		A4500-NH3 G	11/23/04 11:53 / jal
Nitrogen, Nitrate+Nitrite as N	9.34	mg/L		0.20		E353.2	11/22/04 14:17 / jal
Potassium	8.5	mg/L		0.5		E200.7	12/09/04 13:47 / ts
Sodium	31.5	mg/L		0.5		E200.7	12/09/04 13:47 / ts
Sulfate	122	mg/L		5		E200.7	12/09/04 13:47 / ts
PHYSICAL PROPERTIES							
Conductivity	694	umhos/cm		1.0		A2510 B	11/19/04 16:36 / dd
	7.79	s.u.		0.01		A4500-H B	11/19/04 18:02 / dd
Solids, Total Dissolved TDS @ 180 C	512	mg/L		10		A2540 C	11/19/04 19:26 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/09/04 00:01 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/09/04 00:01 / bws
Barium	ND	mg/L		0.05		E200.8	12/09/04 00:01 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/09/04 00:01 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/09/04 00:01 / bws
Chromium	ND	mg/L		0.005		E200.8	12/09/04 00:01 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 13:47 / ts
Lead	ND	mg/L		0.005		E200.8	12/09/04 00:01 / bws
Manganese	0.21	mg/L		0.05		E200.8	12/09/04 00:01 / bws
Mercury	ND	mg/L		0.001		E200.8	12/09/04 00:01 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/09/04 00:01 / bws
Nickel	ND	mg/L		0.05		E200.8	12/09/04 00:01 / bws
Selenium	ND	mg/L		0.005		E200.8	12/09/04 00:01 / bws
Silver	ND	mg/L		0.004		E200.8	12/09/04 00:01 / bws
Uranium	0.122	mg/L		0.001		E200.8	12/09/04 00:01 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/23/04 14:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/08/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-022
Client Sample ID: WN-21

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.40	%				Calculation	12/13/04 15:19 / smd
Anions	7.51	meq/L				Calculation	12/13/04 15:19 / smd
Cations	8.04	meq/L				Calculation	12/13/04 15:19 / smd
Solids, Total Dissolved Calculated	496	mg/L				Calculation	12/13/04 15:19 / smd
TDS Balance (0.80 - 1.20)	1.03	dec. %				Calculation	12/13/04 15:19 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-013
Client Sample ID: WN-23

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Alkalinity, Total as CaCO ₃	234	mg/L		10	A2320 B	08/24/04 12:58 / nlm
Carbonate as CO ₃	ND	mg/L		1	A2320 B	08/24/04 12:58 / nlm
Bicarbonate as HCO ₃	286	mg/L		1	A2320 B	08/24/04 12:58 / nlm
Calcium	294	mg/L	D	0.6	E200.7	09/07/04 16:18 / ts
Chloride	49	mg/L		1	E200.7	09/07/04 16:18 / ts
Magnesium	34.9	mg/L	D	0.5	E200.7	09/07/04 16:18 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05	A4500-NH ₃ G	08/23/04 12:27 / jal
Nitrogen, Nitrate+Nitrite as N	16.0	mg/L	D	0.30	E353.2	08/20/04 11:24 / jal
Potassium	14.4	mg/L		0.5	E200.7	09/03/04 15:49 / ts
Sodium	52.0	mg/L	D	0.6	E200.7	09/07/04 16:18 / ts
Sulfate	591	mg/L	D	8	E200.7	09/07/04 16:18 / ts
PHYSICAL PROPERTIES						
Conductivity	1530	umhos/cm		1.0	A2510 B	08/20/04 17:47 / dd
pH	7.11	s.u.		0.01	A4500-H B	08/20/04 17:47 / dd
Solids, Total Dissolved TDS @ 180 C	1450	mg/L		10	A2540 C	08/20/04 16:08 / dd
METALS - DISSOLVED						
Aluminum	ND	mg/L		0.1	E200.8	09/14/04 23:21 / bws
Arsenic	ND	mg/L		0.01	E200.8	09/14/04 23:21 / bws
Barium	ND	mg/L		0.05	E200.8	09/14/04 23:21 / bws
Beryllium	ND	mg/L		0.004	E200.8	09/16/04 11:37 / bws
Cadmium	ND	mg/L		0.001	E200.8	09/14/04 23:21 / bws
Chromium	ND	mg/L		0.005	E200.8	09/14/04 23:21 / bws
Iron	ND	mg/L		0.05	E200.7	09/20/04 14:26 / ts
Lead	ND	mg/L		0.005	E200.8	09/14/04 23:21 / bws
Manganese	ND	mg/L		0.05	E200.8	09/14/04 23:21 / bws
Mercury	ND	mg/L		0.001	E200.8	09/14/04 23:21 / bws
Molybdenum	ND	mg/L		0.1	E200.8	09/14/04 23:21 / bws
Nickel	ND	mg/L		0.05	E200.8	09/14/04 23:21 / bws
Selenium	0.005	mg/L		0.005	E200.8	09/14/04 23:21 / bws
Silver	ND	mg/L		0.004	E200.8	09/14/04 23:21 / bws
Uranium	0.748	mg/L		0.001	E200.8	09/14/04 23:21 / bws
RADIONUCLIDES - DISSOLVED						
Radium 226	ND	pCi/L		1.0	E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0	E904.0	08/26/04 11:44 / pj
Thorium 230	ND	pCi/L		0.4	E907.0	08/27/04 10:30 / ph

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-013
Client Sample ID: WN-23

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.63	%				Calculation	09/14/04 13:05 / smd
Anions	19.5	meq/L				Calculation	09/14/04 13:05 / smd
Cations	20.2	meq/L				Calculation	09/14/04 13:05 / smd
Solids, Total Dissolved Calculated	1250	mg/L				Calculation	09/14/04 13:05 / smd
TDS Balance (0.80 - 1.20)	1.16	dec. %				Calculation	09/14/04 13:05 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-003
Client Sample ID: WN-23

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	253	mg/L		10		A2320 B	11/24/04 12:01 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 12:01 / nlm
Bicarbonate as HCO3	309	mg/L		1		A2320 B	11/24/04 12:01 / nlm
Calcium	336	mg/L	D	0.6		E200.7	12/09/04 15:03 / ts
Chloride	49	mg/L		5		E200.7	12/08/04 16:10 / ts
Magnesium	39.4	mg/L		0.5		E200.7	12/08/04 16:10 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 10:05 / jal
Nitrogen, Nitrate+Nitrite as N	16.8	mg/L	D	0.30		E353.2	11/19/04 11:26 / jal
Potassium	16.2	mg/L		0.5		E200.7	12/08/04 16:10 / ts
Sodium	54.2	mg/L		0.5		E200.7	12/08/04 16:10 / ts
Sulfate	637	mg/L		5		E200.7	12/08/04 16:10 / ts
PHYSICAL PROPERTIES							
Conductivity	1740	umhos/cm		1.0		A2510 B	11/19/04 16:07 / dd
	7.29	s.u.		0.01		A4500-H B	11/19/04 17:41 / dd
Solids, Total Dissolved TDS @ 180 C	1500	mg/L		10		A2540 C	11/19/04 19:20 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 17:22 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 17:22 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 17:22 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 17:22 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 17:22 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 17:22 / bws
Iron	ND	mg/L		0.05		E200.7	12/08/04 16:10 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 17:22 / bws
Manganese	ND	mg/L		0.05		E200.8	12/08/04 17:22 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 17:22 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 17:22 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 17:22 / bws
Selenium	0.008	mg/L		0.005		E200.8	12/08/04 17:22 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 17:22 / bws
Uranium	0.947	mg/L		0.001		E200.8	12/08/04 17:22 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-003
Client Sample ID: WN-23

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.35	%				Calculation	12/13/04 15:04 / smd
Anions	20.9	meq/L				Calculation	12/13/04 15:04 / smd
Cations	22.8	meq/L				Calculation	12/13/04 15:04 / smd
Solids, Total Dissolved Calculated	1400	mg/L				Calculation	12/13/04 15:04 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	12/13/04 15:04 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-027
Client Sample ID: WN-24

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	211	mg/L		10		A2320 B	08/24/04 17:09 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 17:09 / nlm
Bicarbonate as HCO3	258	mg/L		1		A2320 B	08/24/04 17:09 / nlm
Calcium	244	mg/L		0.5		E200.7	08/25/04 11:41 / ts
Chloride	29	mg/L		1		E200.7	08/25/04 11:41 / ts
Magnesium	35.2	mg/L		0.5		E200.7	08/25/04 11:41 / ts
Nitrogen, Ammonia as N	0.05	mg/L		0.05		A4500-NH3 G	08/23/04 13:13 / jal
Nitrogen, Nitrate+Nitrite as N	18.6	mg/L	D	0.30		E353.2	08/20/04 14:39 / jal
Potassium	10.9	mg/L		0.5		E200.7	08/25/04 11:41 / ts
Sodium	52.9	mg/L		0.5		E200.7	08/25/04 11:41 / ts
Sulfate	506	mg/L		5		E200.7	08/25/04 11:41 / ts
PHYSICAL PROPERTIES							
Conductivity	1440	umhos/cm		1.0		A2510 B	08/23/04 13:02 / dd
pH	7.27	s.u.		0.01		A4500-H B	08/23/04 13:02 / dd
Solids, Total Dissolved TDS @ 180 C	1240	mg/L		10		A2540 C	08/20/04 16:14 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	08/25/04 11:41 / ts
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 02:36 / bws
Barium	0.06	mg/L		0.05		E200.8	09/15/04 02:36 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 14:39 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 02:36 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 02:36 / bws
Iron	ND	mg/L		0.05		E200.7	08/25/04 11:41 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 02:36 / bws
Manganese	ND	mg/L		0.05		E200.7	08/25/04 11:41 / ts
Mercury	ND	mg/L		0.001		E200.8	09/15/04 02:36 / bws
Molybdenum	ND	mg/L		0.1		E200.7	08/25/04 11:41 / ts
Nickel	ND	mg/L		0.05		E200.8	09/15/04 02:36 / bws
Selenium	0.006	mg/L		0.005		E200.8	09/15/04 02:36 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 02:36 / bws
Uranium	0.352	mg/L		0.001		E200.8	09/15/04 02:36 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj
Radium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-027
Client Sample ID: WN-24

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.11	%				Calculation	08/27/04 10:01 / smd
Anions	16.9	meq/L				Calculation	08/27/04 10:01 / smd
Cations	17.6	meq/L				Calculation	08/27/04 10:01 / smd
Solids, Total Dissolved Calculated	1090	mg/L				Calculation	08/27/04 10:01 / smd
TDS Balance (0.80 - 1.20)	1.14	dec. %				Calculation	08/27/04 10:01 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-026
Client Sample ID: WN-24

Report Date: 01/18/05
Collection Date: 11/17/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	214	mg/L		10		A2320 B	11/29/04 12:09 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 12:09 / nlm
Bicarbonate as HCO3	261	mg/L		1		A2320 B	11/29/04 12:09 / nlm
Calcium	254	mg/L	D	0.6		E200.7	12/13/04 09:01 / ts
Chloride	31	mg/L		5		E200.7	12/09/04 14:14 / ts
Magnesium	38.1	mg/L		0.5		E200.7	12/09/04 14:14 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 12:05 / jal
Nitrogen, Nitrate+Nitrite as N	18.9	mg/L	D	0.30		E353.2	11/22/04 14:32 / jal
Potassium	11.8	mg/L		0.5		E200.7	12/09/04 14:14 / ts
Sodium	53.0	mg/L		0.5		E200.7	12/09/04 14:14 / ts
Sulfate	546	mg/L		5		E200.7	12/09/04 14:14 / ts
PHYSICAL PROPERTIES							
Conductivity	1510	umhos/cm		1.0		A2510 B	11/19/04 16:42 / dd
	7.74	s.u.		0.01		A4500-H B	11/19/04 18:07 / dd
Solids, Total Dissolved TDS @ 180 C	1240	mg/L		10		A2540 C	11/19/04 19:27 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/09/04 00:58 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/09/04 00:58 / bws
Barium	0.05	mg/L		0.05		E200.8	12/09/04 00:58 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/09/04 00:58 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/09/04 00:58 / bws
Chromium	ND	mg/L		0.005		E200.8	12/09/04 00:58 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 14:14 / ts
Lead	ND	mg/L		0.005		E200.8	12/09/04 00:58 / bws
Manganese	ND	mg/L		0.05		E200.8	12/09/04 00:58 / bws
Mercury	ND	mg/L		0.001		E200.8	12/09/04 00:58 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/09/04 00:58 / bws
Nickel	ND	mg/L		0.05		E200.8	12/09/04 00:58 / bws
Selenium	0.007	mg/L		0.005		E200.8	12/09/04 00:58 / bws
Silver	ND	mg/L		0.004		E200.8	12/09/04 00:58 / bws
Uranium	0.347	mg/L		0.001		E200.8	12/09/04 00:58 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/23/04 14:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/08/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-026
Client Sample ID: WN-24

Report Date: 01/18/05
Collection Date: 11/17/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.49	%				Calculation	12/14/04 12:57 / smd
Anions	17.9	meq/L				Calculation	12/14/04 12:57 / smd
Cations	18.4	meq/L				Calculation	12/14/04 12:57 / smd
Solids, Total Dissolved Calculated	1190	mg/L				Calculation	12/14/04 12:57 / smd
TDS Balance (0.80 - 1.20)	1.04	dec. %				Calculation	12/14/04 12:57 / smd

Port
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-009
Client Sample ID: WN-26

Report Date: 09/30/04
Collection Date: 08/19/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	ND	mg/L		5		A4500-Cl B	09/28/04 14:09 / jl
Nitrogen, Nitrate+Nitrite as N	0.52	mg/L		0.20		E353.2	08/20/04 11:09 / jal
Sulfate	85	mg/L		5		A4500-SO4 E	09/28/04 17:12 / jal
PHYSICAL PROPERTIES							
pH	7.76	s.u.		0.01		A4500-H B	08/20/04 17:30 / dd
Solids, Total Dissolved TDS @ 180 C	233	mg/L		10		A2540 C	08/20/04 16:06 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 20:34 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 20:34 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 20:34 / bws
Cobalt	ND	mg/L		0.005		E200.8	09/14/04 20:34 / bws
Copper	ND	mg/L		0.05		E200.8	09/14/04 20:34 / bws
Selenium	ND	mg/L		0.005		E200.8	09/14/04 20:34 / bws
Uranium	0.003	mg/L		0.001		E200.8	09/14/04 20:34 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-004
Client Sample ID: WN-26

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	80	mg/L		10		A2320 B	11/24/04 12:31 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 12:31 / nlm
Bicarbonate as HCO3	98	mg/L		1		A2320 B	11/24/04 12:31 / nlm
Calcium	53.9	mg/L		0.5		E200.7	12/08/04 16:13 / ts
Chloride	ND	mg/L		5		E200.7	12/08/04 16:13 / ts
Magnesium	4.5	mg/L		0.5		E200.7	12/08/04 16:13 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 10:07 / jal
Nitrogen, Nitrate+Nitrite as N	0.52	mg/L		0.20		E353.2	11/19/04 11:28 / jal
Potassium	2.8	mg/L		0.5		E200.7	12/08/04 16:13 / ts
Sodium	8.1	mg/L		0.5		E200.7	12/08/04 16:13 / ts
Sulfate	72	mg/L		5		E200.7	12/08/04 16:13 / ts
PHYSICAL PROPERTIES							
Conductivity	295	umhos/cm		1.0		A2510 B	11/19/04 16:08 / dd
	7.98	s.u.		0.01		A4500-H B	11/19/04 17:42 / dd
Solids, Total Dissolved TDS @ 180 C	237	mg/L		10		A2540 C	11/19/04 19:20 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 17:57 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 17:57 / bws
Barium	0.10	mg/L		0.05		E200.8	12/08/04 17:57 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 17:57 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 17:57 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 17:57 / bws
Iron	ND	mg/L		0.05		E200.7	12/08/04 16:13 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 17:57 / bws
Manganese	ND	mg/L		0.05		E200.8	12/08/04 17:57 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 17:57 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 17:57 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 17:57 / bws
Selenium	0.005	mg/L		0.005		E200.8	12/08/04 17:57 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 17:57 / bws
Uranium	0.002	mg/L		0.001		E200.8	12/08/04 17:57 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-004
Client Sample ID: WN-26

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.76	%				Calculation	12/13/04 15:04 / smd
Anions	3.23	meq/L				Calculation	12/13/04 15:04 / smd
Cations	3.48	meq/L				Calculation	12/13/04 15:04 / smd
Solids, Total Dissolved Calculated	216	mg/L				Calculation	12/13/04 15:04 / smd
TDS Balance (0.80 - 1.20)	1.10	dec. %				Calculation	12/13/04 15:04 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-026
Client Sample ID: WN-28

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	634	mg/L		10		A2320 B	08/24/04 16:56 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 16:56 / nlm
Bicarbonate as HCO3	774	mg/L		1		A2320 B	08/24/04 16:56 / nlm
Calcium	669	mg/L	D	0.6		E200.7	09/16/04 13:00 / ts
Chloride	115	mg/L		1		E200.7	08/25/04 11:38 / ts
Magnesium	158	mg/L	D	0.5		E200.7	09/16/04 13:00 / ts
Nitrogen, Ammonia as N	90	mg/L	D	1		A4500-NH3 G	08/23/04 13:05 / jal
Nitrogen, Nitrate+Nitrite as N	31.1	mg/L	D	0.30		E353.2	08/20/04 14:36 / jal
Potassium	32.2	mg/L		0.5		E200.7	08/25/04 11:38 / ts
Sodium	148	mg/L		0.5		E200.7	08/25/04 11:38 / ts
Sulfate	1830	mg/L		5		E200.7	08/25/04 11:38 / ts
PHYSICAL PROPERTIES							
Conductivity	4130	umhos/cm		1.0		A2510 B	08/23/04 13:02 / dd
pH	6.46	s.u.		0.01		A4500-H B	08/23/04 13:02 / dd
Solids, Total Dissolved TDS @ 180 C	3830	mg/L		10		A2540 C	08/20/04 16:14 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	08/25/04 11:38 / ts
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 02:29 / bws
Barium	ND	mg/L		0.05		E200.7	08/25/04 11:38 / ts
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 14:32 / bws
Cadmium	0.001	mg/L		0.001		E200.8	09/15/04 02:29 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 02:29 / bws
Iron	ND	mg/L		0.05		E200.7	08/25/04 11:38 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 02:29 / bws
Manganese	13.4	mg/L		0.05		E200.7	08/25/04 11:38 / ts
Mercury	ND	mg/L		0.001		E200.8	09/15/04 02:29 / bws
Molybdenum	ND	mg/L		0.1		E200.7	08/25/04 11:38 / ts
Nickel	0.07	mg/L		0.05		E200.8	09/15/04 02:29 / bws
Selenium	0.022	mg/L		0.005		E200.8	09/15/04 02:29 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 02:29 / bws
Uranium	5.54	mg/L		0.001		E200.8	09/15/04 02:29 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	1.7	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 226 precision (±)	0.5	pCi/L				E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-026
Client Sample ID: WN-28

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph
DATA QUALITY							
A/C Balance (± 5)	4.15	%				Calculation	09/17/04 14:15 / smd
Anions	56.2	meq/L				Calculation	09/17/04 14:15 / smd
Cations	61.1	meq/L				Calculation	09/17/04 14:15 / smd
Solids, Total Dissolved Calculated	3510	mg/L				Calculation	09/17/04 14:15 / smd
TDS Balance (0.80 - 1.20)	1.09	dec. %				Calculation	09/17/04 14:15 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-019
Client Sample ID: WN-28

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	644	mg/L		10		A2320 B	11/29/04 10:23 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 10:23 / nlm
Bicarbonate as HCO3	786	mg/L		1		A2320 B	11/29/04 10:23 / nlm
Calcium	712	mg/L	D	0.6		E200.7	12/09/04 13:07 / ts
Chloride	128	mg/L		5		E200.7	12/09/04 13:04 / ts
Magnesium	176	mg/L	D	0.5		E200.7	12/09/04 13:07 / ts
Nitrogen, Ammonia as N	89	mg/L	D	1		A4500-NH3 G	11/23/04 11:47 / jal
Nitrogen, Nitrate+Nitrite as N	29.1	mg/L	D	0.30		E353.2	11/22/04 14:10 / jal
Potassium	34.5	mg/L		0.5		E200.7	12/09/04 13:04 / ts
Sodium	144	mg/L		0.5		E200.7	12/09/04 13:04 / ts
Sulfate	2050	mg/L	D	8		E200.7	12/09/04 13:07 / ts
PHYSICAL PROPERTIES							
Conductivity	4460	umhos/cm		1.0		A2510 B	11/19/04 16:33 / dd
	6.71	s.u.		0.01		A4500-H B	11/19/04 18:00 / dd
Solids, Total Dissolved TDS @ 180 C	3780	mg/L		10		A2540 C	11/19/04 19:25 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 22:49 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 22:49 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 22:49 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 22:49 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 22:49 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 22:49 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 13:04 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 22:49 / bws
Manganese	13.2	mg/L		0.05		E200.8	12/08/04 22:49 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 22:49 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 22:49 / bws
Nickel	0.07	mg/L		0.05		E200.8	12/08/04 22:49 / bws
Selenium	0.023	mg/L		0.005		E200.8	12/08/04 22:49 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 22:49 / bws
Uranium	5.72	mg/L		0.001		E200.8	12/08/04 22:49 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	2.4	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Radium 228 precision (±)	0.8	pCi/L				E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-019
Client Sample ID: WN-28

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.58	%				Calculation	12/13/04 15:18 / smd
Anions	61.2	meq/L				Calculation	12/13/04 15:18 / smd
Cations	64.5	meq/L				Calculation	12/13/04 15:18 / smd
Solids, Total Dissolved Calculated	3810	mg/L				Calculation	12/13/04 15:18 / smd
TDS Balance (0.80 - 1.20)	0.990	dec. %				Calculation	12/13/04 15:18 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-025
Client Sample ID: WN-28S

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	635	mg/L		10		A2320 B	08/24/04 16:46 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 16:46 / nlm
Bicarbonate as HCO3	775	mg/L		1		A2320 B	08/24/04 16:46 / nlm
Calcium	709	mg/L	D	0.6		E200.7	09/03/04 16:36 / ts
Chloride	116	mg/L		1		E200.7	09/03/04 16:36 / ts
Magnesium	163	mg/L	D	0.5		E200.7	09/03/04 16:36 / ts
Nitrogen, Ammonia as N	89	mg/L	D	1		A4500-NH3 G	08/23/04 13:03 / jal
Nitrogen, Nitrate+Nitrite as N	31.5	mg/L	D	0.30		E353.2	08/20/04 14:24 / jal
Potassium	32.2	mg/L	D	0.5		E200.7	09/03/04 16:36 / ts
Sodium	147	mg/L	D	0.6		E200.7	09/03/04 16:36 / ts
Sulfate	1930	mg/L	D	8		E200.7	09/03/04 16:36 / ts
PHYSICAL PROPERTIES							
Conductivity	4110	umhos/cm		1.0		A2510 B	08/23/04 12:59 / dd
pH	6.51	s.u.		0.01		A4500-H B	08/23/04 12:59 / dd
Solids, Total Dissolved TDS @ 180 C	3840	mg/L		10		A2540 C	08/20/04 16:14 / dd
METALS - DISSOLVED							
Aluminum	0.3	mg/L		0.1		E200.8	09/15/04 02:15 / bws
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 02:15 / bws
Barium	ND	mg/L		0.05		E200.8	09/15/04 02:15 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 14:25 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 02:15 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 02:15 / bws
Iron	ND	mg/L		0.05		E200.7	09/03/04 16:36 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 02:15 / bws
Manganese	13.9	mg/L		0.05		E200.8	09/15/04 02:15 / bws
Mercury	ND	mg/L		0.001		E200.8	09/15/04 02:15 / bws
Molybdenum	ND	mg/L		0.1		E200.8	09/15/04 02:15 / bws
Nickel	0.07	mg/L		0.05		E200.8	09/15/04 02:15 / bws
Selenium	0.021	mg/L		0.005		E200.8	09/15/04 02:15 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 02:15 / bws
Uranium	5.76	mg/L		0.001		E200.8	09/15/04 02:15 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	1.6	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 226 precision (±)	0.7	pCi/L				E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 11:44 / pj

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-025
Client Sample ID: WN-28S

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph
DATA QUALITY							
A/C Balance (± 5)	3.22	%				Calculation	09/08/04 15:58 / smd
Anions	58.5	meq/L				Calculation	09/08/04 15:58 / smd
Cations	62.4	meq/L				Calculation	09/08/04 15:58 / smd
Solids, Total Dissolved Calculated	3620	mg/L				Calculation	09/08/04 15:58 / smd
TDS Balance (0.80 - 1.20)	1.06	dec. %				Calculation	09/08/04 15:58 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-020
Client Sample ID: WN-28S

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	641	mg/L		10		A2320 B	11/29/04 10:34 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 10:34 / nlm
Bicarbonate as HCO3	782	mg/L		1		A2320 B	11/29/04 10:34 / nlm
Calcium	708	mg/L	D	0.6		E200.7	12/09/04 13:22 / ts
Chloride	130	mg/L		5		E200.7	12/09/04 13:10 / ts
Magnesium	174	mg/L	D	0.5		E200.7	12/09/04 13:22 / ts
Nitrogen, Ammonia as N	89	mg/L	D	1		A4500-NH3 G	11/23/04 11:49 / jal
Nitrogen, Nitrate+Nitrite as N	29.6	mg/L	D	0.30		E353.2	11/22/04 14:12 / jal
Potassium	34.5	mg/L		0.5		E200.7	12/09/04 13:10 / ts
Sodium	145	mg/L		0.5		E200.7	12/09/04 13:10 / ts
Sulfate	2040	mg/L	D	8		E200.7	12/09/04 13:22 / ts
PHYSICAL PROPERTIES							
Conductivity	4480	umhos/cm		1.0		A2510 B	11/19/04 16:34 / dd
	6.71	s.u.		0.01		A4500-H B	11/19/04 18:01 / dd
Solids, Total Dissolved TDS @ 180 C	3780	mg/L		10		A2540 C	11/19/04 19:26 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 23:25 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 23:25 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 23:25 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 23:25 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 23:25 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 23:25 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 13:10 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 23:25 / bws
Manganese	13.0	mg/L		0.05		E200.8	12/08/04 23:25 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 23:25 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 23:25 / bws
Nickel	0.08	mg/L		0.05		E200.8	12/08/04 23:25 / bws
Selenium	0.025	mg/L		0.005		E200.8	12/08/04 23:25 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 23:25 / bws
Uranium	5.94	mg/L		0.001		E200.8	12/08/04 23:25 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/23/04 14:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-020
Client Sample ID: WN-28S

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.34	%				Calculation	12/13/04 15:18 / smd
Anions	61.1	meq/L				Calculation	12/13/04 15:18 / smd
Cations	64.1	meq/L				Calculation	12/13/04 15:18 / smd
Solids, Total Dissolved Calculated	3800	mg/L				Calculation	12/13/04 15:18 / smd
TDS Balance (0.80 - 1.20)	0.990	dec. %				Calculation	12/13/04 15:18 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-019
Client Sample ID: WN-30

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	335	mg/L		10		A2320 B	08/24/04 14:23 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 14:23 / nlm
Bicarbonate as HCO3	409	mg/L		1		A2320 B	08/24/04 14:23 / nlm
Calcium	879	mg/L	D	0.6		E200.7	09/03/04 16:17 / ts
Chloride	103	mg/L		1		E200.7	09/03/04 16:17 / ts
Magnesium	189	mg/L	D	0.5		E200.7	09/03/04 16:17 / ts
Nitrogen, Ammonia as N	27.5	mg/L	D	0.2		A4500-NH3 G	08/23/04 12:45 / jal
Nitrogen, Nitrate+Nitrite as N	139	mg/L	D	1.5		E353.2	08/20/04 11:46 / jal
Potassium	43.2	mg/L	D	0.5		E200.7	09/03/04 16:17 / ts
Sodium	254	mg/L	D	0.6		E200.7	09/03/04 16:17 / ts
Sulfate	2340	mg/L	D	8		E200.7	09/03/04 16:17 / ts
PHYSICAL PROPERTIES							
Conductivity	4840	umhos/cm		1.0		A2510 B	08/20/04 18:07 / dd
pH	6.76	s.u.		0.01		A4500-H B	08/20/04 18:07 / dd
Solids, Total Dissolved TDS @ 180 C	4860	mg/L		10		A2540 C	08/23/04 12:48 / dd
METALS - DISSOLVED							
Aluminum	0.3	mg/L		0.1		E200.8	09/15/04 00:10 / bws
Arsenic	0.01	mg/L		0.01		E200.8	09/15/04 00:10 / bws
Barium	ND	mg/L		0.05		E200.8	09/15/04 00:10 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 12:54 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 00:10 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 00:10 / bws
Iron	ND	mg/L		0.05		E200.7	09/03/04 16:17 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 00:10 / bws
Manganese	4.31	mg/L		0.05		E200.8	09/15/04 00:10 / bws
Mercury	ND	mg/L		0.001		E200.8	09/15/04 00:10 / bws
Molybdenum	0.2	mg/L		0.1		E200.8	09/15/04 00:10 / bws
Nickel	ND	mg/L		0.05		E200.8	09/15/04 00:10 / bws
Selenium	0.035	mg/L		0.005		E200.8	09/15/04 00:10 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 00:10 / bws
Uranium	1.38	mg/L		0.001		E200.8	09/15/04 00:10 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-019
Client Sample ID: WN-30

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.82	%				Calculation	09/08/04 15:56 / smd
Anions	68.1	meq/L				Calculation	09/08/04 15:56 / smd
Cations	73.6	meq/L				Calculation	09/08/04 15:56 / smd
Solids, Total Dissolved Calculated	4620	mg/L				Calculation	09/08/04 15:56 / smd
TDS Balance (0.80 - 1.20)	1.05	dec. %				Calculation	09/08/04 15:56 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-012
Client Sample ID: WN-30

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	389	mg/L		10		A2320 B	11/24/04 14:37 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 14:37 / nlm
Bicarbonate as HCO3	475	mg/L		1		A2320 B	11/24/04 14:37 / nlm
Calcium	824	mg/L	D	0.6		E200.7	12/09/04 12:21 / ts
Chloride	111	mg/L		5		E200.7	12/09/04 12:18 / ts
Magnesium	182	mg/L	D	0.5		E200.7	12/09/04 12:21 / ts
Nitrogen, Ammonia as N	25.8	mg/L	D	0.2		A4500-NH3 G	11/23/04 10:59 / jal
Nitrogen, Nitrate+Nitrite as N	115	mg/L	D	3.0		E353.2	11/22/04 12:26 / jal
Potassium	42.1	mg/L		0.5		E200.7	12/09/04 12:18 / ts
Sodium	223	mg/L		0.5		E200.7	12/09/04 12:18 / ts
Sulfate	2380	mg/L	D	8		E200.7	12/09/04 12:21 / ts
PHYSICAL PROPERTIES							
Conductivity	4850	umhos/cm		1.0		A2510 B	11/19/04 16:21 / dd
	6.96	s.u.		0.01		A4500-H B	11/19/04 17:52 / dd
Solids, Total Dissolved TDS @ 180 C	4660	mg/L		10		A2540 C	11/19/04 19:23 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 21:52 / bws
Arsenic	0.01	mg/L		0.01		E200.8	12/08/04 21:52 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 21:52 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 21:52 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 21:52 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 21:52 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 12:18 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 21:52 / bws
Manganese	3.87	mg/L		0.05		E200.8	12/08/04 21:52 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 21:52 / bws
Molybdenum	0.2	mg/L		0.1		E200.8	12/08/04 21:52 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 21:52 / bws
Selenium	0.029	mg/L		0.005		E200.8	12/08/04 21:52 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 21:52 / bws
Uranium	1.12	mg/L		0.001		E200.8	12/08/04 21:52 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report
Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-012
Client Sample ID: WN-30

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	0.272	%				Calculation	12/13/04 15:06 / smd
Anions	68.6	meq/L				Calculation	12/13/04 15:06 / smd
Cations	69.0	meq/L				Calculation	12/13/04 15:06 / smd
Solids, Total Dissolved Calculated	4540	mg/L				Calculation	12/13/04 15:06 / smd
TDS Balance (0.80 - 1.20)	1.03	dec. %				Calculation	12/13/04 15:06 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-021
Client Sample ID: WN-31

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	541	mg/L		10		A2320 B	08/24/04 15:50 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 15:50 / nlm
Bicarbonate as HCO3	659	mg/L		1		A2320 B	08/24/04 15:50 / nlm
Calcium	937	mg/L	D	0.6		E200.7	09/03/04 16:23 / ts
Chloride	155	mg/L		1		E200.7	09/03/04 16:23 / ts
Magnesium	128	mg/L	D	0.5		E200.7	09/03/04 16:23 / ts
Nitrogen, Ammonia as N	0.15	mg/L		0.05		A4500-NH3 G	08/23/04 12:49 / jal
Nitrogen, Nitrate+Nitrite as N	69.6	mg/L	D	1.5		E353.2	08/20/04 12:04 / jal
Potassium	18.4	mg/L	D	0.5		E200.7	09/03/04 16:23 / ts
Sodium	81.1	mg/L	D	0.6		E200.7	09/03/04 16:23 / ts
Sulfate	1740	mg/L	D	8		E200.7	09/03/04 16:23 / ts
PHYSICAL PROPERTIES							
Conductivity	3880	umhos/cm		1.0		A2510 B	08/23/04 12:42 / dd
pH	6.85	s.u.		0.01		A4500-H B	08/23/04 12:42 / dd
Solids, Total Dissolved TDS @ 180 C	4120	mg/L		10		A2540 C	08/20/04 16:11 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	09/15/04 00:58 / bws
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 00:58 / bws
Barium	ND	mg/L		0.05		E200.8	09/15/04 00:58 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 13:08 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 00:58 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 00:58 / bws
Iron	ND	mg/L		0.05		E200.7	09/03/04 16:23 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 00:58 / bws
Manganese	0.11	mg/L		0.05		E200.8	09/15/04 00:58 / bws
Mercury	ND	mg/L		0.001		E200.8	09/15/04 00:58 / bws
Molybdenum	0.2	mg/L		0.1		E200.8	09/15/04 00:58 / bws
Nickel	ND	mg/L		0.05		E200.8	09/15/04 00:58 / bws
Selenium	0.010	mg/L		0.005		E200.8	09/15/04 00:58 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 00:58 / bws
Uranium	5.49	mg/L		0.001		E200.8	09/15/04 00:58 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-021
Client Sample ID: WN-31

Report Date: 09/30/04
Collection Date: 08/16/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	4.18	%				Calculation	09/08/04 15:57 / smd
Anions	56.4	meq/L				Calculation	09/08/04 15:57 / smd
Cations	61.3	meq/L				Calculation	09/08/04 15:57 / smd
Solids, Total Dissolved Calculated	3690	mg/L				Calculation	09/08/04 15:57 / smd
TDS Balance (0.80 - 1.20)	1.12	dec. %				Calculation	09/08/04 15:57 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-010
Client Sample ID: WN-31

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	647	mg/L		10		A2320 B	11/24/04 14:07 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/24/04 14:07 / nlm
Bicarbonate as HCO3	789	mg/L		1		A2320 B	11/24/04 14:07 / nlm
Calcium	945	mg/L	D	0.6		E200.7	12/08/04 16:56 / ts
Chloride	193	mg/L		5		E200.7	12/08/04 16:53 / ts
Magnesium	131	mg/L	D	0.5		E200.7	12/08/04 16:56 / ts
Nitrogen, Ammonia as N	0.13	mg/L		0.05		A4500-NH3 G	11/23/04 10:53 / jal
Nitrogen, Nitrate+Nitrite as N	78.8	mg/L	D	0.60		E353.2	11/22/04 10:58 / jal
Potassium	20.8	mg/L		0.5		E200.7	12/08/04 16:53 / ts
Sodium	76.0	mg/L		0.5		E200.7	12/08/04 16:53 / ts
Sulfate	1720	mg/L	D	8		E200.7	12/08/04 16:56 / ts
PHYSICAL PROPERTIES							
Conductivity	4300	umhos/cm		1.0		A2510 B	11/19/04 16:19 / dd
	7.25	s.u.		0.01		A4500-H B	11/19/04 17:50 / dd
Solids, Total Dissolved TDS @ 180 C	4380	mg/L		10		A2540 C	11/19/04 19:23 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 20:48 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 20:48 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 20:48 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 20:48 / bws
Cadmium	0.002	mg/L		0.001		E200.8	12/08/04 20:48 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 20:48 / bws
Iron	ND	mg/L		0.05		E200.7	12/08/04 16:53 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 20:48 / bws
Manganese	0.16	mg/L		0.05		E200.8	12/08/04 20:48 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 20:48 / bws
Molybdenum	0.2	mg/L		0.1		E200.8	12/08/04 20:48 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 20:48 / bws
Selenium	0.011	mg/L		0.005		E200.8	12/08/04 20:48 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 20:48 / bws
Uranium	7.80	mg/L		0.001		E200.8	12/08/04 20:48 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/22/04 15:15 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/22/04 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-010
Client Sample ID: WN-31

Report Date: 01/18/05
Collection Date: 11/15/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	1.62	%				Calculation	12/13/04 15:06 / smd
Anions	59.8	meq/L				Calculation	12/13/04 15:06 / smd
Cations	61.8	meq/L				Calculation	12/13/04 15:06 / smd
Solids, Total Dissolved Calculated	3860	mg/L				Calculation	12/13/04 15:06 / smd
TDS Balance (0.80 - 1.20)	1.13	dec. %				Calculation	12/13/04 15:06 / smd

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-004
Client Sample ID: WN-A

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	109	mg/L		5		E200.7	08/24/04 12:08 / ts
Nitrogen, Nitrate+Nitrite as N	1.62	mg/L		0.20		E353.2	08/20/04 10:49 / jal
Sulfate	1500	mg/L		5		E200.7	08/24/04 12:08 / ts
PHYSICAL PROPERTIES							
pH	6.30	s.u.		0.01		A4500-H B	08/20/04 17:10 / dd
Solids, Total Dissolved TDS @ 180 C	3620	mg/L		10		A2540 C	08/20/04 16:05 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 19:52 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 19:52 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 19:52 / bws
Lead	ND	mg/L		0.005		E200.8	09/14/04 19:52 / bws
Mercury	ND	mg/L		0.05		E200.8	09/14/04 19:52 / bws
Selenium	ND	mg/L		0.005		E200.8	09/14/04 19:52 / bws
Uranium	2.36	mg/L		0.001		E200.8	09/14/04 19:52 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-018
Client Sample ID: WN-A

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	659	mg/L		10		A2320 B	11/29/04 10:14 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 10:14 / nlm
Bicarbonate as HCO3	804	mg/L		1		A2320 B	11/29/04 10:14 / nlm
Calcium	829	mg/L	D	0.6		E200.7	12/09/04 13:01 / ts
Chloride	112	mg/L		5		E200.7	12/09/04 12:57 / ts
Magnesium	114	mg/L	D	0.5		E200.7	12/09/04 13:01 / ts
Nitrogen, Ammonia as N	3.0	mg/L	D	0.1		A4500-NH3 G	11/23/04 11:17 / jal
Nitrogen, Nitrate+Nitrite as N	1.73	mg/L		0.20		E353.2	11/22/04 14:07 / jal
Potassium	18.2	mg/L		0.5		E200.7	12/09/04 12:57 / ts
Sodium	47.6	mg/L		0.5		E200.7	12/09/04 12:57 / ts
Sulfate	1670	mg/L		5		E200.7	12/09/04 12:57 / ts
PHYSICAL PROPERTIES							
Conductivity	3550	umhos/cm		1.0		A2510 B	11/19/04 16:32 / dd
	6.56	s.u.		0.01		A4500-H B	11/19/04 17:59 / dd
Solids, Total Dissolved TDS @ 180 C	3470	mg/L		10		A2540 C	11/19/04 19:24 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/08/04 22:42 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/08/04 22:42 / bws
Barium	ND	mg/L		0.05		E200.8	12/08/04 22:42 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/08/04 22:42 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/08/04 22:42 / bws
Chromium	ND	mg/L		0.005		E200.8	12/08/04 22:42 / bws
Iron	17.9	mg/L		0.05		E200.7	12/09/04 12:57 / ts
Lead	ND	mg/L		0.005		E200.8	12/08/04 22:42 / bws
Manganese	0.60	mg/L		0.05		E200.8	12/08/04 22:42 / bws
Mercury	ND	mg/L		0.001		E200.8	12/08/04 22:42 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/08/04 22:42 / bws
Nickel	ND	mg/L		0.05		E200.8	12/08/04 22:42 / bws
Selenium	ND	mg/L		0.005		E200.8	12/08/04 22:42 / bws
Silver	ND	mg/L		0.004		E200.8	12/08/04 22:42 / bws
Uranium	2.04	mg/L		0.001		E200.8	12/08/04 22:42 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/07/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-018
Client Sample ID: WN-A

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	2.72	%				Calculation	12/13/04 15:17 / smd
Anions	51.3	meq/L				Calculation	12/13/04 15:17 / smd
Cations	54.1	meq/L				Calculation	12/13/04 15:17 / smd
Solids, Total Dissolved Calculated	3240	mg/L				Calculation	12/13/04 15:17 / smd
TDS Balance (0.80 - 1.20)	1.07	dec. %				Calculation	12/13/04 15:17 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-005
Client Sample ID: WN-C

Report Date: 09/30/04
Collection Date: 08/17/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	.92	mg/L	D	5		E200.7	08/24/04 12:11 / ts
Nitrogen, Nitrate+Nitrite as N	42.3	mg/L		0.60		E353.2	08/20/04 10:51 / jal
Sulfate	1550	mg/L		5		E200.7	08/24/04 12:11 / ts
PHYSICAL PROPERTIES							
pH	6.60	s.u.		0.01		A4500-H B	08/20/04 17:12 / dd
Solids, Total Dissolved TDS @ 180 C	3720	mg/L		10		A2540 C	08/20/04 16:05 / dd
METALS - DISSOLVED							
Beryllium	ND	mg/L		0.004		E200.8	09/14/04 20:06 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/14/04 20:06 / bws
Chromium	ND	mg/L		0.005		E200.8	09/14/04 20:06 / bws
Cobalt	ND	mg/L		0.005		E200.8	09/14/04 20:06 / bws
Copper	ND	mg/L		0.05		E200.8	09/14/04 20:06 / bws
Selenium	0.009	mg/L		0.005		E200.8	09/14/04 20:06 / bws
Uranium	5.83	mg/L		0.001		E200.8	09/14/04 20:06 / bws
RADIONUCLIDES - DISSOLVED							
Thorium 230	ND	pCi/L		0.4		E907.0	08/27/04 10:30 / ph

Report
Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-024
Client Sample ID: WN-C

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	672	mg/L		10		A2320 B	11/29/04 11:40 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 11:40 / nlm
Bicarbonate as HCO3	819	mg/L		1		A2320 B	11/29/04 11:40 / nlm
Calcium	819	mg/L	D	0.6		E200.7	12/09/04 14:08 / ts
Chloride	101	mg/L		5		E200.7	12/09/04 14:05 / ts
Magnesium	162	mg/L	D	0.5		E200.7	12/09/04 14:08 / ts
Nitrogen, Ammonia as N	41	mg/L	D	1		A4500-NH3 G	11/23/04 12:01 / jal
Nitrogen, Nitrate+Nitrite as N	44.7	mg/L	D	0.60		E353.2	11/22/04 14:27 / jal
Potassium	27.3	mg/L		0.5		E200.7	12/09/04 14:05 / ts
Sodium	120	mg/L		0.5		E200.7	12/09/04 14:05 / ts
Sulfate	1910	mg/L		5		E200.7	12/09/04 14:05 / ts
PHYSICAL PROPERTIES							
Conductivity	4240	umhos/cm		1.0		A2510 B	11/19/04 16:40 / dd
	6.74	s.u.		0.01		A4500-H B	11/19/04 18:05 / dd
Solids, Total Dissolved TDS @ 180 C	3920	mg/L		10		A2540 C	11/19/04 19:27 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/09/04 00:15 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/09/04 00:15 / bws
Barium	ND	mg/L		0.05		E200.8	12/09/04 00:15 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/09/04 00:15 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/09/04 00:15 / bws
Chromium	ND	mg/L		0.005		E200.8	12/09/04 00:15 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 14:05 / ts
Lead	ND	mg/L		0.005		E200.8	12/09/04 00:15 / bws
Manganese	8.62	mg/L		0.05		E200.8	12/09/04 00:15 / bws
Mercury	ND	mg/L		0.001		E200.8	12/09/04 00:15 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/09/04 00:15 / bws
Nickel	ND	mg/L		0.05		E200.8	12/09/04 00:15 / bws
Selenium	0.017	mg/L		0.005		E200.8	12/09/04 00:15 / bws
Silver	ND	mg/L		0.004		E200.8	12/09/04 00:15 / bws
Uranium	5.13	mg/L		0.001		E200.8	12/09/04 00:15 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	01/07/05 14:35 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/08/04 10:30 / ph

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-024
Client Sample ID: WN-C

Report Date: 01/18/05
Collection Date: 11/16/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	3.62	%				Calculation	12/13/04 15:19 / smd
Anions	59.2	meq/L				Calculation	12/13/04 15:19 / smd
Cations	63.7	meq/L				Calculation	12/13/04 15:19 / smd
Solids, Total Dissolved Calculated	3790	mg/L				Calculation	12/13/04 15:19 / smd
TDS Balance (0.80 - 1.20)	1.03	dec. %				Calculation	12/13/04 15:19 / smd

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-030
Client Sample ID: WN-FLD BLK

Report Date: 09/30/04
Collection Date: 08/18/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	ND	mg/L		10		A2320 B	08/24/04 17:44 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	08/24/04 17:44 / nlm
Bicarbonate as HCO3	3	mg/L		1		A2320 B	08/24/04 17:44 / nlm
Calcium	ND	mg/L		0.5		E200.7	09/09/04 19:02 / ts
Chloride	ND	mg/L		5		E200.7	09/09/04 19:02 / ts
Magnesium	ND	mg/L		0.5		E200.7	09/09/04 19:02 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	08/23/04 13:19 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	08/20/04 14:44 / jal
Potassium	ND	mg/L		1		E200.7	09/09/04 19:02 / ts
Sodium	ND	mg/L		1		E200.7	09/09/04 19:02 / ts
Sulfate	ND	mg/L		5		E200.7	09/09/04 19:02 / ts
PHYSICAL PROPERTIES							
Conductivity	4.0	umhos/cm		1.0		A2510 B	08/23/04 13:13 / dd
pH	6.51	s.u.		0.01		A4500-H B	08/23/04 13:13 / dd
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		10		A2540 C	08/20/04 16:16 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/09/04 19:02 / ts
Arsenic	ND	mg/L		0.01		E200.8	09/15/04 03:04 / bws
Barium	ND	mg/L		0.05		E200.8	09/15/04 03:04 / bws
Beryllium	ND	mg/L		0.004		E200.8	09/16/04 15:35 / bws
Cadmium	ND	mg/L		0.001		E200.8	09/15/04 03:04 / bws
Chromium	ND	mg/L		0.005		E200.8	09/15/04 03:04 / bws
Iron	ND	mg/L		0.05		E200.7	09/09/04 19:02 / ts
Lead	ND	mg/L		0.005		E200.8	09/15/04 03:04 / bws
Manganese	ND	mg/L		0.05		E200.7	09/09/04 19:02 / ts
Mercury	ND	mg/L		0.001		E200.8	09/15/04 03:04 / bws
Molybdenum	ND	mg/L		0.1		E200.7	09/09/04 19:02 / ts
Nickel	ND	mg/L		0.05		E200.8	09/15/04 03:04 / bws
Selenium	ND	mg/L		0.005		E200.8	09/15/04 03:04 / bws
Silver	ND	mg/L		0.004		E200.8	09/15/04 03:04 / bws
Uranium	ND	mg/L		0.001		E200.8	09/15/04 03:04 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	08/22/04 10:05 / df
Radium 228	ND	pCi/L		2.0		E904.0	08/26/04 13:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	08/30/04 10:30 / ph

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C04080862-030
Client Sample ID: WN-FLD BLK

Report Date: 09/30/04
Collection Date: 08/18/04
Date Received: 08/19/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	46.1	%				Calculation	09/14/04 13:26 / smd
Anions	0.076	meq/L				Calculation	09/14/04 13:26 / smd
Cations	0.206	meq/L				Calculation	09/14/04 13:26 / smd

- The ion balance is not appropriate for near blank results.

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-030
Client Sample ID: WN-FLD-BLK

Report Date: 01/18/05
Collection Date: 11/17/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Alkalinity, Total as CaCO3	ND	mg/L		10		A2320 B	11/29/04 12:54 / nlm
Carbonate as CO3	ND	mg/L		1		A2320 B	11/29/04 12:54 / nlm
Bicarbonate as HCO3	3	mg/L		1		A2320 B	11/29/04 12:54 / nlm
Calcium	ND	mg/L		0.5		E200.7	12/09/04 14:26 / ts
Chloride	ND	mg/L		5		E200.7	12/09/04 14:26 / ts
Magnesium	ND	mg/L		0.5		E200.7	12/09/04 14:26 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	11/23/04 12:21 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	11/22/04 14:50 / jal
Potassium	0.9	mg/L		0.5		E200.7	12/09/04 14:26 / ts
Sodium	ND	mg/L		0.5		E200.7	12/09/04 14:26 / ts
Sulfate	ND	mg/L		5		E200.7	12/09/04 14:26 / ts
PHYSICAL PROPERTIES							
Conductivity	1.7	umhos/cm		1.0		A2510 B	11/19/04 16:46 / dd
	5.57	s.u.		0.01		A4500-H B	11/19/04 18:11 / dd
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		10		A2540 C	11/19/04 19:30 / dd
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.8	12/09/04 01:33 / bws
Arsenic	ND	mg/L		0.01		E200.8	12/09/04 01:33 / bws
Barium	ND	mg/L		0.05		E200.8	12/09/04 01:33 / bws
Beryllium	ND	mg/L		0.004		E200.8	12/09/04 01:33 / bws
Cadmium	ND	mg/L		0.001		E200.8	12/09/04 01:33 / bws
Chromium	ND	mg/L		0.005		E200.8	12/09/04 01:33 / bws
Iron	ND	mg/L		0.05		E200.7	12/09/04 14:26 / ts
Lead	ND	mg/L		0.005		E200.8	12/09/04 01:33 / bws
Manganese	ND	mg/L		0.05		E200.8	12/09/04 01:33 / bws
Mercury	ND	mg/L		0.001		E200.8	12/09/04 01:33 / bws
Molybdenum	ND	mg/L		0.1		E200.8	12/09/04 01:33 / bws
Nickel	ND	mg/L		0.05		E200.8	12/09/04 01:33 / bws
Selenium	ND	mg/L		0.005		E200.8	12/09/04 01:33 / bws
Silver	ND	mg/L		0.004		E200.8	12/09/04 01:33 / bws
Uranium	ND	mg/L		0.001		E200.8	12/09/04 01:33 / bws
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	11/23/04 14:30 / trs
Radium 228	ND	pCi/L		2.0		E904.0	11/23/04 14:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	12/08/04 10:30 / ph

Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Western Nuclear
Project: Split Rock Mill Site
Lab ID: C04110840-030
Client Sample ID: WN-FLD-BLK

Report Date: 01/18/05
Collection Date: 11/17/04
Date Received: 11/18/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
DATA QUALITY							
A/C Balance (± 5)	-7.89	%				Calculation	12/13/04 15:21 / smd
Anions	0.048	meq/L				Calculation	12/13/04 15:21 / smd
Cations	0.041	meq/L				Calculation	12/13/04 15:21 / smd

- The Ion balance is not appropriate for near blank results.

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.