

40-8943

FERRET EXPLORATION COMPANY OF NEBRASKA, INC.

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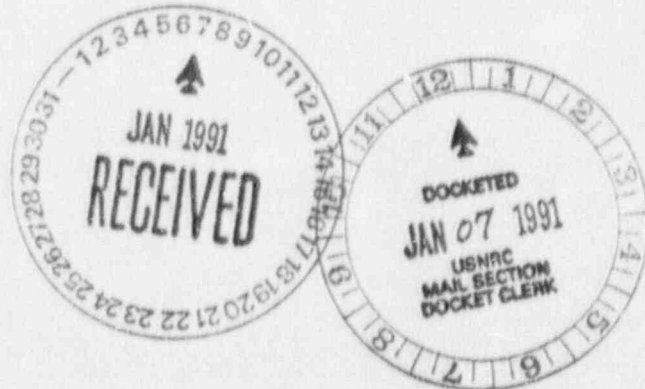
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RETURN ORIGINAL TO PDR, HQ.

December 31, 1990

Mr. Ramon Hall
U.S. Nuclear Regulatory Commission
Uranium Recovery Field Office
Box 25325
Denver, Colorado 80225

RE: Docket No. 40-8943
License SUA-1534



Dear Mr. Hall:

Ferret Exploration Company of Nebraska (FEN) has completed construction of Mine Unit 1 at the Crow Butte facility. License condition 45 requires that two (2) months prior to lixiviant injection FEN propose, in the form of a license amendment, upper control limits (UCL's) for all monitoring wells in the production unit.

Enclosed please find the proposed UCL's for eleven (11) production zone monitor wells and three (3) shallow, upper aquifer, monitor wells. The lab analysis sheets are also enclosed for your review, as well as a location map. SM1-1 was previously a shallow monitor well during pilot plant operation (PM-6) and the same UCL's are proposed.

This information has been submitted to the Nebraska Department of Environmental Control (NDEC) as part of the Notice of Intent to Operate. Upon approval by NDEC of the Notice of Intent to Operate, FEN proposes to discontinue sampling pilot plant monitor wells (PM-1 through PM-7) and begin sampling the Mine Unit 1 monitor wells on a biweekly basis.

Should you have any questions on this amendment request, please do not hesitate to contact me.

Sincerely,

Ralph Knode
Vice President

DESIGNATED ORIGINAL

Certified By Mary C. Hood

9101290294 910104
PDR ADOCK 04008943
C PDR

91-0172

PROPOSED UPPER CONTROL LIMITS
MONITOR WELLS
MINE UNIT NUMBER ONE

Well No.		Sodium	Sulfate	Chloride	Conductivity	Alkalinity
SM1-2	Multiple	180	72	50	887	288
	Single	216	86	59	1064	346
SM1-3	Multiple	178	52	99	940	274
	Single	213	62	119	1128	328
CM1-1	Multiple	516	450	281	2528	359
	Single	619	540	337	3034	431
CM1-2	Multiple	492	415	232	2395	358
	Single	590	498	278	2874	429
CM1-3	Multiple	480	437	232	2395	361
	Single	576	524	278	2874	433
CM1-4	Multiple	504	432	264	2476	361
	Single	605	518	317	2971	433
CM1-5	Multiple	600	449	433	3064	368
	Single	720	539	520	3676	442
CM1-6	Multiple	468	426	232	2357	371
	Single	562	511	278	2828	445
CM1-7	Multiple	480	428	232	2359	364
	Single	576	514	278	2831	436
CM1-8	Multiple	480	433	235	2308	355
	Single	576	520	282	2769	426
CM1-9	Multiple	480	438	227	2428	366
	Single	576	526	272	2913	439
CM1-10	Multiple	576	430	389	2810	365
	Single	691	516	467	3372	438
CM1-11	Multiple	492	456	227	2418	350
	Single	590	547	272	2902	420
SM1-1* (PM-6)	Multiple	133	53	15	600	234
	Single	160	64	18	720	281

*Well SM1-1 (formerly PM-6) is a shallow monitor well used during pilot plant operations. The proposed UCL's are the same ones used previously.



ENERGY LABORATORIES, INC.

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FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
BASELINE WATER ANALYSIS REPORT

Sample I.D.:	SM1-2	SM1-2	SM1-2		
Sample Date:	10-16-90	10-31-90	11-15-90		
Report Date:	11-30-90	11-23-90	11-30-90	Mean	Standard
Laboratory I.D. #:	90-25989	90-29552	90-29840		Deviation

MAJOR IONS mg/l:

Ca	8.2	5.9	5.3	6.47	± 1.53
Mg	<1.0	<1.0	<1.0	<1.00	± 0.00
Na	140	150	148	146.00	± 5.29
K	14.0	15.0	15.8	14.93	± 0.90
CO3	16.2	14.1	8.6	12.97	± 3.92
HCO3	259	260	262	260.33	± 1.53
SO4	59.2	60	60.0	59.73	± 0.46
Cl	31.0	37.9	41.3	36.73	± 5.25
NH4	0.15	<0.05	<0.05	≤0.08	± 0.06
NO2	<0.01	<0.01	<0.01	<0.01	± 0.00
NO3	0.64	0.45	0.62	0.57	± 0.10
F	0.89	0.93	1.15	0.99	± 0.14
SiO2	89.9	94.2	82.7	88.93	± 5.81
TDS @ 120 C	448	496	501	481.67	± 29.26
Cond (umho/cm)	710	739	693	714.00	± 23.26
Dilute Cond (umho/cm)	777	776	770	774.33	± 3.79
Alk - CaCO3	240	237	229	235.33	± 5.69
pH (std units)	9.13	9.07	8.85	9.02	± 0.15

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	0.073	0.078	0.074	0.075	± 0.003
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.13	0.13	0.21	0.16	± 0.05
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	<0.01	<0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	<0.01	<0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	0.007	0.007	0.007	0.007	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.09	0.17	0.24	0.17	± 0.08

RADIOMETRIC:

U (mg/l)	0.0027	0.0103	0.0040	0.0057	± 0.0041
Ra226 (pCi/l)	2.6	2.3	0.5	1.80	± 1.14
Ra Prec. ±	0.4	0.4	0.3	0.37	± 0.06

QUALITY ASSURANCE DATA:

Anion meq:	6.99	7.13	7.10		
Cation meq:	6.97	7.31	7.17		
A/C Balance:	1.002	0.975	0.991		
Calc TDS mg l:	493	511	497		
TDS A/C Bal:	0.908	0.970	1.007		
Calc Dil. Cond.:	738	766	753		
Dil. Cond. Bal:	1.053	1.013	1.023		

**FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
 BASELINE WATER ANALYSIS REPORT**

Sample I.D.:	SM1-3	SM1-3	SM1-3	Mean	Standard Deviation
Sample Date:	10-16-90	10-31-90	11-15-90		
Report Date:	11-23-90	11-23-90	11-30-90		
Laboratory I.D. #:	90-25999	90-29553	90-29834		

MAJOR IONS mg/l:

Ca	7.4	5.8	7.9	7.03	± 1.10
Mg	<1.0	<1.0	<1.0	<1.00	± 0.00
Na	142	148	148	146.00	± 3.46
K	19.0	19.0	23.8	20.60	± 2.77
CO3	24.6	19.8	14.7	19.70	± 4.95
HCO3	227	231	225	227.67	± 3.06
SO4	43.0	41.4	42.3	42.23	± 0.80
Cl	55.0	72.3	82.6	69.97	± 13.95
NH4	<0.05	<0.05	<0.05	<0.05	± 0.00
NO2	<0.01	<0.01	<0.01	<0.01	± 0.00
NO3	1.15	0.84	1.31	1.10	± 0.24
F	0.50	0.51	0.62	0.54	± 0.07
SiO2	77.0	79.2	64.2	73.47	± 8.10
TDS @ 180 C	483	486	501	490.00	± 9.64
Cond (umho/cm)	664	778	783	741.67	± 67.31
Dilute Cond (umho/cm)	801	817	850	822.67	± 24.99
Alk - CaCO3	228	223	210	220.33	± 9.29
pH (std units)	9.37	9.27	9.15	9.26	± 0.11

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	0.012	0.013	0.013	0.013	± 0.001
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	<0.10	<0.10	0.12	±0.11	± 0.01
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	0.02	0.02	±0.02	± 0.01
Fe	<0.05	0.05	0.06	±0.05	± 0.01
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	<0.01	<0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	0.006	0.006	0.007	0.006	± 0.001
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.30	0.37	0.53	0.40	± 0.12

RADIOMETRIC:

U (mg/l)	0.0055	0.0077	0.0070	0.0067	± 0.0011
Ra226 (pCi/l)	7.8	1.4	2.1	3.77	± 3.51
Ra Prec. ±	0.6	0.3	0.5	0.47	± 0.15

QUALITY ASSURANCE DATA:

Anion meq:	7.10	7.43	7.51		
Cation meq:	7.15	7.33	7.51		
A/C Balance:	0.993	1.014	1.000		
Calc TDS mg/l:	489	507	504		
TDS A/C Bal:	0.988	0.959	0.995		
Calc Dil. Cond.:	777	810	827		
Dil. Cond. Bal:	1.030	1.009	1.028		



ENERGY LABORATORIES, INC.

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FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
BASELINE WATER ANALYSIS REPORT

Sample I.D.:	CM1-1	CM1-1	CM1-1	Mean	Standard Deviation
Sample Date:	10-16-90	10-31-90	11-15-90		
Report Date:	11-30-90	11-23-90	11-30-90		
Laboratory I.D. #:	90-25991	90-29545	90-29838		

MAJOR IONS mg/l:

Ca	16.0	17.0	18.3	17.10	± 1.15
Mg	4.2	4.3	4.5	4.33	± 0.15
Na	410	430	414	418.00	± 10.58
K	13.0	13.0	9.7	11.90	± 1.91
CO3	3.4	5.5	4.8	4.57	± 1.07
HCO3	358	337	330	341.67	± 14.57
SO4	375	369	351	365.00	± 12.49
Cl	189	224	234	215.67	± 23.63
NH4	0.29	0.30	0.23	0.27	± 0.04
NO2	<0.01	0.01	<0.01	≤0.01	± 0.00
NO3	0.02	<0.01	<0.01	≤0.01	± 0.01
F	0.57	0.65	0.70	0.64	± 0.07
S102	16.7	17.5	15.9	16.70	± 0.80
TDS @ 180 C	1115	1252	1209	1192.00	± 70.06
Cond (umho/cm)	1987	2107	2044	2046.00	± 60.02
Dilute Cond (umho/cm)	2174	2280	2255	2236.33	± 55.41
Alk + CaCO3	299	286	279	288.00	± 10.15
pH (std units)	8.31	8.55	8.50	8.45	± 0.13

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	<0.001	<0.001	<0.001	<0.001	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	C 87	0.89	0.92	0.89	± 0.03
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	<0.01	<0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	<0.01	<0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.02	0.01	0.01	0.01	± 0.01

RADIOMETRIC:

U (mg/l)	0.0034	0.0039	0.0070	0.0048	± 0.0020
Ra226 (pCi/l)	10.2	9.9	10.0	10.03	± 0.15
Ra Prec. ±	0.6	0.7	0.9	0.73	± 0.15

QUALITY ASSURANCE DATA:

Anion meq:	19.15	19.74	19.51		
Cation meq:	19.35	20.27	19.57		
A/C Balance:	0.990	0.974	0.997		
Calc TDS mg/l:	1208	1250	1218		
TDS A/C Bal:	0.923	1.002	0.992		
Calc Dil. Cond.:	2202	2305	2255		
Dil. Cond. Bal:	0.987	0.989	1.000		



ENERGY LABORATORIES, INC.

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FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
 BASELINE WATER ANALYSIS REPORT

Sample I.D.:	CM1-2	CM1-2	CM1-2	Mean	Standard Deviation
Sample Date:	10-16-90	10-31-90	11-15-90		
Report Date:	11-30-90	11-23-90	11-30-90		
Laboratory I.D. #:	90-25990	90-29546	90-29839		

MAJOR IONS mg/l:

Ca	15.0	15.0	17.2	15.74	± 1.28
Mg	4.2	4.3	4.4	4.30	± 0.10
Na	410	410	390	403.33	± 11.55
K	12.0	12.0	9.4	11.13	± 1.50
CO3	0	5.3	5.4	3.57	± 3.09
HCO3	362	351	352	355.00	± 6.08
SO4	345	346	338	343.00	± 4.36
Cl	193	189	179	187.00	± 7.21
NH4	0.29	0.32	0.24	0.28	± 0.04
NO2	<0.01	<0.01	<0.01	<0.01	± 0.00
NO3	0.08	<0.01	<0.01	±0.03	± 0.04
F	0.57	0.60	0.70	0.62	± 0.07
SiO2	16.7	18.0	14.8	16.50	± 1.61
TDS @ 180 C	1149	1170	1145	1154.67	± 13.43
Cond (umho/cm)	1975	1996	1894	1955.00	± 53.86
Dilute Cond (umho/cm)	2161	2160	2086	2135.67	± 43.02
Alk - CaCO3	297	297	298	297.33	± 0.58
pH (std units)	8.29	8.51	8.52	8.44	± 0.13

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	<0.001	<0.001	<0.001	<0.001	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.87	0.90	0.96	0.91	± 0.05
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	<0.01	<0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	0.01	0.01	0.02	0.01	± 0.01
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	<0.01	0.02	0.01	±0.01	± 0.01

RADIOMETRIC:

U (mg/l)	0.0261	0.0196	0.0280	0.0246	± 0.0044
Ra226 (pCi/l)	8.5	17.9	4.7	10.37	± 6.80
Ra Prec. ±	0.7	1.8	0.6	1.03	± 0.67

QUALITY ASSURANCE DATA:

Anion meq:	18.59	18.50	18.07		
Cation meq:	19.27	19.28	18.46		
A/C Balance:	0.965	0.959	0.979		
Calc TDS mg/l:	1178	1176	1136		
TDS A/C Bal:	0.975	0.995	1.008		
Calc Dil. Cond.:	2154	2154	2080		
Dil. Cond. Bal:	1.003	1.003	1.003		



ENERGY LABORATORIES, INC.

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FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
 BASELINE WATER ANALYSIS REPORT

Sample I.D.:	CM1-3	CM1-3	CM1-3		
Sample Date:	10-15-90	10-31-90	11-15-90		
Report Date:	11-30-90	11-23-90	11-30-90	Mean	Standard Deviation
Laboratory I.D. #:	90-25988	90-29550	90-29836		

MAJOR IONS mg/l:

Ca	16.0	16.0	17.6	16.53	± 0.92
Mg	4.0	3.9	4.3	4.07	± 0.21
Na	400	400	395	398.33	± 2.89
K	11.0	11.0	15.8	12.60	± 2.77
CO3	9.4	5.0	5.3	6.57	± 2.46
HCO3	315	353	356	341.33	± 22.85
SO4	349	364	334	349.00	± 15.00
Cl	189	193	186	189.33	± 3.51
NH4	0.34	0.37	0.36	0.36	± 0.02
NO2	<0.01	<0.01	<0.01	<0.01	± 0.00
NO3	0.02	<0.01	0.02	≤0.02	± 0.01
F	0.62	0.62	0.72	0.65	± 0.06
SiO2	14.6	15.2	12.8	14.20	± 1.25
TDS @ 180 C	1163	1180	1145	1162.67	± 17.50
Cond (umho/cm)	1969	1996	1898	1954.33	± 50.62
Dilute Cond (umho/cm)	2155	2160	2135	2150.00	± 13.23
Alk - CaCO3	274	298	301	291.00	± 14.80
pH (std units)	8.81	8.49	8.51	8.60	± 0.18

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	<0.001	<0.001	<0.001	<0.001	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.85	0.87	0.89	0.87	± 0.02
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	<0.01	<0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	0.01	0.01	0.01	0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.03	0.02	0.02	0.02	± 0.01

RADIOMETRIC:

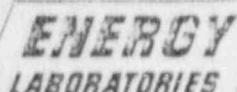
U (mg/l)	<0.0003	0.0009	0.0010	≤0.0007	± 0.0004
Ra226 (pCi/l)	17.9	13.4	9.7	13.67	± 4.11
Ra Prec. ±	1.6	1.6	1.0	1.40	± 0.35

QUALITY ASSURANCE DATA:

Anion meq:	18.11	19.01	18.25		
Cation meq:	18.85	18.84	18.86		
A/C Balance:	0.961	1.009	0.968		
Calc TDS mg/l:	1152	1186	1150		
TDS A/C Bal:	1.010	0.995	0.995		
Calc Dil. Cond.:	2123	2169	2115		
Dil. Cond. Bal:	1.015	0.996	1.010		

**FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
 BASELINE WATER ANALYSIS REPORT**

Sample I.D.:	CM1-4	CM1-4	CM1-4	Mean	Standard Deviation
Sample Date:	10-16-90	10-31-90	11-15-90		
Report Date:	11-23-90	11-23-90	11-30-90		
Laboratory I.D. #:	90-25998	90-29544	90-29831		
MAJOR IONS mg/l:					
Ca	15.0	16.0	16.4	15.80	± 0.72
Mg	3.5	3.8	4.1	3.80	± 0.30
Na	400	420	399	406.33	± 11.85
K	11.0	12.0	14.4	12.47	± 1.75
CO ₃	3.9	5.6	5.6	5.03	± 0.98
HCO ₃	359	348	352	352.00	± 5.57
SO ₄	360	352	340	350.67	± 10.07
Cl	193	213	220	208.67	± 14.01
NH ₄	0.27	0.33	0.36	0.32	± 0.05
NO ₂	<0.01	<0.01	<0.01	<0.01	± 0.00
NO ₃	0.03	<0.01	<0.01	± 0.02	± 0.01
F	0.62	0.60	0.70	0.64	± 0.05
SiO ₂	16.1	16.7	13.2	15.33	± 1.87
TDS @ 180 C	1151	1246	1200	1199.00	± 47.51
Cond (umho/cm)	1781	2063	2059	1967.67	± 161.67
Dilute Cond (umho/cm)	2149	2232	2155	2173.67	± 46.29
Alk - CaCO ₃	301	295	298	298.00	± 3.00
pH (std units)	8.37	8.54	8.54	8.48	± 0.10
TRACE METALS mg/l:					
Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	<0.001	<0.001	<0.001	<0.001	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.87	0.90	0.93	0.90	± 0.03
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	0.01	± 0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	<0.01	<0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.01	0.02	0.02	0.02	± 0.01
RADIOMETRIC:					
U (mg/l)	0.0337	0.0275	0.0310	0.0307	± 0.0031
Ra226 (pCi/l)	358	486	351	398.33	± 76.00
Ra Prec. ±	8.3	10.5	7.2	8.67	± 1.68
QUALITY ASSURANCE DATA:					
Anion meq:	18.99	19.26	19.28		
Cation meq:	18.75	19.73	18.92		
A/C Balance:	1.013	0.976	1.019		
Calc TDS mg/l:	1183	1214	1190		
TDS A/C Bal:	0.973	1.026	1.008		
Calc Dil. Cond.:	2160	2235	2197		
Dil. Cond. Bal:	0.995	0.999	0.981		



ENERGY LABORATORIES, INC.

P. O. BOX 2252 • CASPER WY 82402 • PHONE (307) 235-0511
254 NORTH CENTER SUITE 100 • CASPER WY 82401 • FAX (307) 234-1639FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
BASELINE WATER ANALYSIS REPORT

Sample I.D.:	CM1-5	CM1-5	CM1-5	Mean	Standard Deviation
Sample Date:	10-15-90	10-31-90	11-15-90		
Report Date:	11-30-90	11-23-90	11-30-90		
Laboratory I.D. #:	90-25987	90-29551	90-29837		
MAJOR IONS mg/l:					
Ca	9.2	8.7	12.7	10.20	± 2.18
Mg	2.9	3.0	3.9	3.27	± 0.55
Na	500	490	466	485.33	± 17.47
K	19.0	23.0	25.7	22.57	± 3.37
CO3	0	10.9	6.2	5.70	± 5.47
HCO3	375	303	336	338.00	± 36.04
SO4	374	347	351	357.33	± 14.57
Cl	330	361	298	329.67	± 31.50
NH4	0.30	0.26	0.27	0.28	± 0.02
NO2	<0.01	<0.01	<0.01	<0.01	± 0.00
NO3	0.02	<0.01	<0.01	<0.01	± 0.01
F	0.52	0.60	0.78	0.63	± 0.13
SiO2	14.3	14.6	13.3	14.07	± 0.68
TDS @ 180 C	1372	1396	1337	1368.33	± 29.67
Cond (umho/cm)	2448	2553	2124	2375.00	± 223.62
Dilute Cond (umho/cm)	2679	2762	2551	2664.00	± 106.30
Alk - CaCO3	307	267	286	286.67	± 20.01
pH (std units)	8.16	8.89	8.60	8.55	± 0.37
TRACE METALS mg/l:					
Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	<0.001	<0.001	<0.001	<0.001	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.80	0.83	1.02	0.88	± 0.12
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	<0.01	<0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	<0.01	<0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	<0.01	0.03	0.01	<0.02	± 0.01
RADIOMETRIC:					
U (mg/l)	0.0515	0.0446	0.0690	0.0550	± 0.0126
Ra226 (pCi/l)	128	203	213	181.33	± 46.46
Ra Prec. \leq	2.5	6.0	4.9	4.47	± 1.79
QUALITY ASSURANCE DATA:					
Anion meq:	23.26	22.76	21.46		
Cation meq:	22.97	22.61	21.92		
A/C Balance:	1.013	1.006	0.979		
Calc TDS mg/l:	1438	1411	1346		
TDS A/C Bal:	0.954	0.989	0.993		
Calc Dil. Cond.:	2685	2674	2524		
Dil. Cond. Bal:	0.998	1.033	1.011		



ENERGY LABORATORIES, INC.

P. O. BOX 1238 • CASPER, WY 82402 • PHONE (307) 235-0518
251 NORTH CENTER SUITE 100 • CASPER, WY 82401 • FAX (307) 234-1639

FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
BASELINE WATER ANALYSIS REPORT

Sample I.D.:	CM1-6	CM1-6	CM1-6	Mean	Standard Deviation
Sample Date:	10-16-90	10-31-90	11-15-90		
Report Date:	11-23-90	11-23-90	11-30-90		
Laboratory I.D. #:	90-26000	90-29543	90-29830		

MAJOR IONS mg/l:

Ca	18.0	18.0	20.9	18.97	± 1.67
Mg	4.7	4.6	5.0	4.77	± 0.21
Na	390	380	380	383.33	± 5.77
K	12.0	11.0	12.0	11.67	± 0.58
CO3	0	5.3	4.6	3.30	± 2.88
HCO3	377	361	364	367.33	± 8.50
SO4	355	345	332	344.00	± 11.53
Cl	186	193	193	190.67	± 4.04
NH4	0.29	0.31	0.33	0.31	± 0.02
NO2	<0.01	<0.01	<0.01	<0.01	± 0.00
NO3	0.04	0.01	0.01	0.02	± 0.02
F	0.57	0.57	0.70	0.61	± 0.08
SiO2	15.4	15.2	13.0	14.53	± 1.33
TDS @ 180 C	1129	1193	1150	1157.33	± 32.62
Cond (umho/cm)	1740	1964	1937	1880.33	± 122.28
Dilute Cond (umho/cm)	2100	2125	2110	2111.67	± 12.58
Alk - CaCO3	309	305	306	306.67	± 2.08
pH (std units)	8.28	8.50	8.44	8.41	± 0.11

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	<0.001	<0.001	<0.001	<0.001	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.88	0.87	0.90	0.88	± 0.02
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	0.01	±0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	<0.01	<0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.02	0.02	0.03	0.02	± 0.01

RADIOMETRIC:

U (mg/l)	0.0055	0.0024	0.0070	0.0050	± 0.0023
Ra226 (pCi/l)	19.4	15.4	12.9	15.90	± 3.28
Ra Prec. ±	0.9	1.8	1.2	1.30	± 0.46

QUALITY ASSURANCE DATA:

Anion meq:	18.85	18.75	18.51		
Cation meq:	18.59	18.12	13.33		
A/C Balance:	1.014	1.035	1.010		
Calc TDS mg/l:	1171	1154	1144		
TDS A/C Bal:	0.964	1.034	1.005		
Calc Dil. Cond.:	2132	2111	2102		
Dil. Cond. Bal:	0.985	1.006	1.004		



ENERGY LABORATORIES, INC.

P.O. BOX 3238 • CASPER, WY 82402 • PHONE 307/233-0018
 257 NORTH CENTER SUITE 100 • CASPER, WY 82401 • FAX 307/234-1438

FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
 BASELINE WATER ANALYSIS REPORT

Sample I.D.:	CM1-7	CM1-7	CM1-7	Mean	Standard Deviation
Sample Date:	10-16-90	10-31-90	11-15-90		
Report Date:	11-23-90	11-23-90	11-30-90		
Laboratory I.D. #:	90-25996	90-29542	90-29833		

MAJOR IONS mg/l:

Ca	16.0	16.0	17.6	16.53	± 0.92
Mg	4.1	4.0	4.6	4.23	± 0.32
Na	400	390	388	392.67	± 6.43
K	13.0	11.0	12.8	12.27	± 1.10
CO3	0	5.6	4.4	3.33	± 2.95
HCO3	370	355	356	360.33	± 8.39
SO4	357	348	329	344.67	± 14.29
Cl	186	186	193	188.33	± 4.04
NH4	0.26	0.37	0.33	0.32	± 0.06
NO2	<0.01	<0.01	<0.01	<0.01	± 0.00
NO3	0.03	<0.01	0.03	≤0.02	± 0.01
F	0.64	0.60	0.75	0.66	± 0.08
SiO2	16.9	16.7	14.7	16.10	± 1.22
TDS @ 180 C	1124	1207	1150	1160.33	± 42.45
Cond (umho/cm)	1747	1966	1934	1882.33	± 118.29
Dilute Cond (umho/cm)	2109	2127	2110	2115.33	± 10.12
Alk - CaCO3	303	300	299	300.67	± 2.08
pH (std units)	8.15	8.53	8.43	8.37	± 0.20

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	0.001	<0.001	<0.001	≤0.001	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.90	0.90	1.01	0.94	± 0.06
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	0.01	≤0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	<0.01	<0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.02	0.03	0.02	0.02	± 0.01

RADIOMETRIC:

U (mg/l)	0.0302	0.0134	0.0300	0.0245	± 0.0096
Ra226 (pCi/l)	88.5	122	91.9	100.80	± 18.44
Ra Prec. ±	3.5	4.7	3.2	3.80	± 0.79

QUALITY ASSURANCE DATA:

Anion meq:	18.78	18.53	18.32		
Cation meq:	18.90	18.41	18.50		
A/C Balance:	0.994	1.006	0.990		
Calc TDS mg/l:	1179	1156	1144		
TDS A/C Bal:	0.953	1.044	1.006		
Calc Dil. Cond.:	2146	2111	2100		
Dil. Cond. Bal:	0.983	1.007	1.005		



ENERGY LABORATORIES, INC.

P. O. BOX 2358 • CASPER, WY 82402 • PHONE (307) 235-0511
254 NORTH CENTER SUITE 100 • CASPER, WY 82401 • FAX (307) 234-1639FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
BASELINE WATER ANALYSIS REPORT

Sample I.D.:	CM1-8	CM1-8	CM1-8		
Sample Date:	10-16-90	10-31-90	11-15-90		
Report Date:	11-23-90	11-23-90	11-30-90	Mean	Standard
Laboratory I.D. #:	90-25995	90-29541	90-29832		Deviation

MAJOR IONS mg/l:

Ca	15.0	10.0	10.1	11.70	± 2.86
Mg	2.5	1.6	2.1	2.07	± 0.45
Na	400	390	397	395.67	± 5.13
K	14.0	13.0	15.2	14.07	± 1.10
CO ₃	7.9	12.6	8.3	9.60	± 2.61
HCO ₃	335	335	291	320.33	± 25.40
SO ₄	361	321	343	341.67	± 20.03
Cl	182	196	186	188.00	± 7.21
NH ₄	0.26	0.24	0.30	0.27	± 0.03
NO ₂	<0.01	<0.01	<0.01	<0.01	± 0.00
NO ₃	0.06	0.01	<0.01	± 0.03	± 0.03
F	0.64	0.70	0.81	0.72	± 0.09
SiO ₂	17.8	18.2	15.0	17.00	± 1.74
TDS @ 180 C	1142	1185	1133	1153.33	± 27.79
Cond (umho/cm)	1748	1923	1889	1853.33	± 92.79
Dilute Cond (umho/cm)	2110	2081	2038	2076.33	± 36.23
Alk - CaCO ₃	288	296	253	279.00	± 22.87
pH (std units)	8.71	8.91	8.79	8.80	± 0.10

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	0.002	0.002	0.002	0.002	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.88	0.84	1.02	0.91	± 0.09
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	0.01	± 0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	<0.01	<0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.01	0.01	0.01	0.01	± 0.00

RADIOMETRIC:

U (mg/l)	0.0089	0.0094	0.0090	0.0091	± 0.0003
Ra226 (pCi/l)	3.5	1.8	9.6	4.97	± 4.10
Ra Prec. ±	0.4	0.4	1.1	0.63	- 0.40

QUALITY ASSURANCE DATA:

Anion meq:	18.44	18.16	17.48		
Cation meq:	18.74	17.96	18.37		
A/C Balance:	0.984	1.011	0.951		
Calc TDS mg/l:	1169	1131	1124		
TDS A/C Bal:	0.977	1.048	1.008		
Calc Dil. Cond.:	2134	2076	2066		
Dil. Cond. Bal:	0.989	1.003	0.987		



ENERGY LABORATORIES, INC.

P. O. BOX 3258 • CASPER WY 82602 • PHONE (307) 225-9515
254 NORTH CENTER SUITE 100 • CASPER WY 82601 • FAX (307) 224-1649

FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
BASELINE WATER ANALYSIS REPORT

Sample I.D.:	CM1-9	CM1-9	CM1-9		
Sample Date:	10-16-90	10-31-90	11-16-90		
Report Date:	11-30-90	11-23-90	11-30-90	Mean	Standard Deviation
Laboratory I.D. #:	90-25993	90-29549	90-29848		

MAJOR IONS mg/l:

Ca	18.0	17.0	18.5	17.83	± 0.76
Mg	4.6	4.4	5.2	4.73	± 0.42
Na	390	400	385	392.67	± 6.43
K	12.0	12.0	11.8	11.93	± 0.12
CO3	0	4.5	5.7	3.40	± 3.00
HCO3	372	353	354	359.67	± 10.69
SO4	365	354	352	357.00	± 7.00
Cl	176	189	186	183.67	± 6.81
NH4	0.31	0.34	0.30	0.32	± 0.02
NO2	<0.01	<0.01	<0.01	<0.01	± 0.00
NO3	0.0	<0.01	<0.01	≤0.02	± 0.02
F	0.62	0.60	0.78	0.67	± 0.10
SiO2	17.3	18.4	15.2	16.97	± 1.63
TDS @ 180 C	1160	1183	1145	1162.67	± 19.14
Cond (umho/cm)	1946	1994	2023	1987.67	± 38.89
Dilute Cond (umho/cm)	2129	2158	2135	2140.67	± 15.31
Alk - CaCO3	305	297	300	300.67	± 4.04
pH (std units)	8.14	8.44	8.54	8.37	± 0.21

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	0.001	0.001	<0.001	≤0.001	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.93	0.92	0.81	0.89	± 0.07
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	<0.01	<0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	0.01	≤0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.02	0.02	0.01	0.02	± 0.01

RADIOMETRIC:

U (mg/l)	0.0213	0.0249	0.0260	0.0241	± 0.0025
Ra226 (pCi/l)	218	182	196	198.63	± 18.15
Ra Prec. ±	5.5	5.7	4.6	5.27	± 0.59

QUALITY ASSURANCE DATA:

Anion meq:	18.70	18.67	18.61		
Cation meq:	18.59	18.96	18.57		
A/C Balance:	1.006	0.985	1.002		
Calc TDS mg/l:	1170	1177	1161		
TDS A/C Bal:	0.991	1.005	0.986		
Calc Dil. Cond.:	2122	2150	2125		
Dil. Cond. Bal:	1.002	1.004	1.005		



ENERGY LABORATORIES, INC.

P. O. BOX 3258 • CASPER, WY 82502 • PHONE 307.235.0500
 254 NORTH CENTER SUITE 100 • CASPER, WY 82501 • FAX 307.235.1830

FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
 BASELINE WATER ANALYSIS REPORT

Sample I.D.:	CM1-10	CM1-10	CM1-10	Mean	Standard Deviation
Sample Date:	10-16-90	10-31-90	11-16-90		
Report Date:	11-30-90	11-23-90	11-30-90		
Laboratory I.D. #:	90-25992	90-29548	90-29845		

MAJOR IONS mg/l:

Ca	15.0	14.0	16.4	15.13	± 1.21
Mg	3.1	3.0	3.8	3.30	± 0.44
Na	420	480	420	440.00	± 34.64
K	13.0	13.0	12.8	12.93	± 0.12
CO3	6.6	8.4	6.3	7.10	± 1.14
HCO3	357	289	336	327.33	± 34.82
SO4	358	334	340	344.00	± 12.49
Cl	210	324	255	263.00	± 57.42
NH4	0.29	0.35	0.33	0.32	± 0.03
NO2	<0.01	<0.01	0.02	≤0.01	± 0.01
NO3	0.11	<0.01	<0.01	≤0.04	± 0.06
F	0.59	0.57	0.78	0.65	± 0.12
SiO2	17.3	19.3	15.7	17.43	± 1.80
TDS @ 180 C	1167	1329	1225	1240.33	± 82.08
Cond (umho/cm)	2031	2342	2098	2157.00	± 163.68
Dilute Cond (umho/cm)	2222	2534	2227	2327.67	± 178.71
Alk - CaCO3	304	251	286	280.33	± 26.95
pH (std units)	8.60	8.80	8.61	8.67	± 0.11

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	<0.001	<0.001	<0.001	<0.001	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.90	0.92	1.00	0.94	± 0.05
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	0.02	<0.01	≤0.01	± 0.01
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	<0.01	<0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.01	0.04	<0.01	≤0.02	± 0.02

RADIOMETRIC:

U (mg/l)	0.0165	0.0197	0.0260	0.0207	± 0.0048
Ra226 (pCi/l)	28.1	24.6	14.9	22.53	± 6.84
Ra Prec. ±	1.2	2.1	1.1	1.47	± 0.55

QUALITY ASSURANCE DATA:

Anion meq:	19.49	21.13	20.03		
Cation meq:	19.64	22.20	19.77		
A/C Balance:	0.992	0.952	1.013		
Calc TDS mg/l:	1223	1342	1240		
TDS A/C Bal:	0.954	0.991	0.988		
Calc Dil. Cond.:	2244	2532	2303		
Dil. Cond. Bal:	0.990	1.001	0.967		

**FERRET EXPLORATION COMPANY OF NEBRASKA, INC. - CROW BUTTE PROJECT
 BASELINE WATER ANALYSIS REPORT**

Sample I.D.:	CM1-11	CM1-11	CM1-11		
Sample Date:	10-16-90	10-31-90	11-16-90		
Report Date:	11-30-90	11-23-90	11-30-90	Mean	Standard
Laboratory I.D. #:	90-25994	90-29547	90-29844		Deviation

MAJOR IONS mg/l:

Ca	15.0	16.0	20.4	17.13	± 2.87
Mg	3.6	4.1	4.6	4.10	± 0.50
Na	390	410	385	395.00	± 13.23
K	12.0	13.0	12.6	12.53	± 0.50
CO3	0	6.1	5.3	3.80	± 3.32
HCO3	338	322	345	335.00	± 11.79
SO4	380	379	360	373.00	± 11.27
Cl	186	189	186	187.00	± 1.73
NH4	0.24	0.28	0.33	0.28	± 0.05
NO2	<0.01	<0.01	<0.01	<0.01	± 0.00
NO3	0.02	<0.01	<0.01	± 0.01	± 0.01
F	0.64	0.62	0.72	0.66	± 0.05
SiO2	18.0	18.4	14.7	17.03	± 2.03
TDS @ 180 C	1137	1198	1185	1173.33	± 32.13
Cond (umho/cm)	1941	2015	1919	1958.33	± 50.29
Dilute Cond (umho/cm)	2124	2180	2210	2171.33	± 43.65
Alk - CaCO3	277	274	292	281.00	± 9.64
pH (std units)	8.11	8.49	8.52	8.37	± 0.23

TRACE METALS mg/l:

Al	<0.10	<0.10	<0.10	<0.10	± 0.00
As	0.001	<0.001	<0.001	± 0.001	± 0.000
Ba	<0.10	<0.10	<0.10	<0.10	± 0.00
B	0.91	0.91	0.92	0.91	± 0.01
Cd	<0.01	<0.01	<0.01	<0.01	± 0.00
Cr	<0.05	<0.05	<0.05	<0.05	± 0.00
Cu	<0.01	<0.01	<0.01	<0.01	± 0.00
Fe	<0.05	<0.05	<0.05	<0.05	± 0.00
Pb	<0.05	<0.05	<0.05	<0.05	± 0.00
Mn	<0.01	<0.01	<0.01	<0.01	± 0.00
Hg	<0.001	<0.001	<0.001	<0.001	± 0.000
Mo	<0.10	<0.10	<0.10	<0.10	± 0.00
Ni	<0.05	<0.05	<0.05	<0.05	± 0.00
Se	<0.001	<0.001	<0.001	<0.001	± 0.000
V	<0.10	<0.10	<0.10	<0.10	± 0.00
Zn	0.01	<0.01	0.02	± 0.01	± 0.01

RADIOMETRIC:

U (mg/l)	0.0343	0.0228	0.0510	0.0360	± 0.0142
Ra226 (pCi/l)	19.0	18.8	15.7	17.83	± 1.85
Ra Prec. ±	0.9	1.0	1.1	1.00	± 0.10

QUALITY ASSURANCE DATA:

Anion meq:	18.73	18.74	18.61
Cation meq:	18.35	19.34	18.51
A/C Balance:	1.021	0.969	1.006
Calc TDS mg/l:	1175	1198	1163
TDS A/C Bal:	0.968	1.000	1.019
Calc Dil. Cond.:	2130	2190	2128
Dil. Cond. Bal:	0.997	0.995	1.039