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Page 1 LAUNDRESSER PROJECT - Interim Period - Plant Use Schedule

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DATE	INDIVIDUAL	COMPANY	Time In	Time Out	Business Purpose
1/31-12/23/82	H. Howells	TETON	08:00	04:30	- Plant Decommissioning Activities - Power On -
	D. Hall	"	"	"	Tank and Plant Ventilation Systems Operating
	L. Vincent	"	"	"	Piping - vents - contaminated equipment being removed
	R. Garling	"	"	"	
1/28-1/31/82	H. Howells	TETON	08:00	04:00	- Pilot Plant Decommissioning - Plant down
	P. Henderson	"	"	"	Power on - Ventilation Systems Operating
	L. Vincent	"	"	"	
	R. Garling	"	"	"	
1/4-1/8/82	H. Howells	TETON	08:00	04:00	- Initial Restoration Sampling - Final Plant
	D. Hall	"	"	"	Decommissioning - Power On - Ventilation
	R. Garling	"	"	"	Systems Operating
1/11-1/21/82	H. Howells	TETON	08:00	04:00	- Final Plant Decommissioning Activities - Final
	R. Henderson	"	"	"	Radiological Surveys - Solid Waste Disposal
2/2-2/10/82	H. Howells	TETON	08:00	09:00	- M zone Sampling - Power Down - Doors Open
2/18-2/16/82	H. Howells	TETON	08:00	12:00	- Air Sampling - Site Radiological - Doors Open
2/24-2/22/82	H. Howells	TETON	08:00	16:00	- Resin Drumming - Power on - Ventilation Systems
	R. Garling	"	"	"	Operating - Doors Open
3/1/82	D. Hall	TETON	08:00	13:00	- Loading resin drums - doors open - power on
	R.R. Appel	"	"	"	ventilation systems operating
3/2/82	R. Garling	TETON	08:00	10:00	- Plant Wash - M zone sampling - Doors open
3/16/82	R. Garling	TETON	08:30	09:45	- Removable alpha contamination survey - Doors open
3/29/82	R. Garling	TETON	08:30	10:00	- M zone sampling
4/2/82	2 Employees W/O Door Service		08:30	13:00	- Repairing Main Door - Power On - Ventilation On
	R. Garling	TETON	08:30	13:00	- Process Tankage Removal - Doors open
	P.D. Hsu	CHARRERZ USA	08:30	12:00	
	R. Becker	"	08:30	12:00	
4/26/82	R. Garling	TETON	09:00	16:00	- M zone sampling - doors open
5/30/82	R. Garling	TETON	03:30	04:15	- Room Gas Sampling - Plant Shut In
5/31/82	R. Garling	TETON	09:30	10:30	- M restoration stability sampling - doors open

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DATE	INDIVIDUAL	COMPANY	TIME IN	TIME OUT	BUSINESS PURPOSE
5/26/82	R. STARRS	TETON	09:30	09:45	PROCURING RECLAMATION EQUIPMENT - DOORS OPEN
5/28/82	R. GARLING	TETON	10:00	16:00	BUILDING EQUIPMENT INVENTORY - DOORS OPEN
6/1/82	R. GARLING	TETON	16:45	17:00	REMOVING MINOR ITEMS OF NON-CONX. EQUIP FOR SALVAGE
6/3/82	R. GARLING	TETON	14:30	17:00	MOVING TANK TO BAY DOOR - DOORS OPEN
6/4/82	R. GARLING	TETON	08:30	10:30	MOVING TANK TO TRUCK - REPLACING SITE EQUIP. DOORS OPEN
	R. BECKER	JARNERZ USA	08:30	09:30	LOADING TANK
6/10/82	R. GARLING	TETON	10:20	17:20	MONTHLY RADIOLOGICAL - DOORS OPEN. WORKING IN OFFICE AREA
"	C. DEASON	AP3 (MADISON RESOURCES)	05:00 - 15:30		SITE VISIT - SALVAGE APPRAISAL
"	R. DENTZ	Cons. Geology, SL	15:00 - 15:30		"
"	A. BERGLUND	"	15:00 - 15:30		"
6/14/82	R. GARLING	TETON	10:30	14:30	REMOVING EDR UNIT - SITE EQUIPMENT MAINTENANCE - DOORS OPEN
"	E. DRELL	HEAR-McGEE	12:30	14:00	REMOVING EDR UNIT
"	R. BRETHER	VALENTINE CONST.	12:30	14:00	REMOVING EDR UNIT
6/16/82	R. GARLING	TETON	11:30	12:15	NO BUILDING EXPOSURE. DEQ RECLAMATION SITE VISIT
"	R. APPEL	TETON	"	"	"
"	CATHY McCARTY	DEQ-LGD	"	"	"
"	MARK SMITH	DEQ-LGD	"	"	"
6/21/82	R. GARLING	TETON	09:30	10:30	REMOVING & REPLACING SAMPLING EQUIPMENT - BAY DOOR
"	"	"	05:30	16:00	"
7/14/82	R. GARLING	TETON	10:00	12:00	CONDEMNION & SET UP OF HI-VOL SAMPLER - DOORS OPEN
7/15/82	R. GARLING	TETON	09:00		HI-VOL GAS PLANT & EQUIP. RADON MEASUREMENT - DOORS OPEN
"	T. GJELSTED	FERRET EA	14:00	14:45	SITE SALVAGE
"	L. PENDERY	1st EA.	"	"	"
"	S. COLLINGS	WY. FUELS	"	"	"
7/20/82	R. GARLING	TETON	09:00	12:00	SERVICING HI VOL GENERATOR - DOORS OPEN
"	SERVICE MAN	POWER SERVICE	05:00 13:00	10:30 14:00	"
7/21/82	R. GARLING	TETON	14:30	15:30	SERVICING HI VOL GENERATOR

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RADIOLOGICAL SURVEY - URANIUM MINE SITES
AIR SAMPLING - RADON GAS

LOCATION: LEUENBERGER PROCESS BLDG.

DATE: 5-20-82

SURVEYOR: R.A. GARLING

SAMPLE LOCATION CELL RESPONSE FACTOR	LOCATION	Time of Collection	COUNT TIME		TTL. CNT. Time Minutes	Chamber Background CPM	Gross Counts	CPM	Corrected Counts CPM-BKG	Response Factor	Equilibrium Factor	MPC 3×10^{-8} $\mu\text{Ci}/\text{ml}$
			From	To								
1. I 3.7×10^9	BENEATH EDR STACK	12:30	17:05	17:15	10	0.7	71	7.1	6.4	3.7×10^9	1.0	1.73×10^{-9}
2. 7 4.35×10^9	BEHIND EDR FEED TANK	12:35	17:16	17:26	10	1.1	52	5.2	4.1	4.35×10^9	1.0	9.43×10^{-10}
3.												
4.												
5.												
6.												

ROUTINE SPECIAL (If special, indicate reason for initiation of survey below) CORRECTIVE ACTION TAKEN

SAMPLES TAKEN TO DETERMINE MAXIMUM POSSIBLE Rn^{222} BUILDUP IN CLOSED-UNVENTILATED PLANT - PLANT HAD BEEN CLOSED, LOCKED AND UNVENTILATED SINCE 4-26-82

SAMPLES WERE DRAWN AT FLOOR LEVEL / CELL CALIBRATION PERFORMED BY CORE LABORATORIES

RESPONSE FACTOR = 6.0×10^9 CPM per $\mu\text{Ci}/\text{ml}$ FOR CS-6
RESPONSE FACTOR = 2.4×10^9 CPM per $\mu\text{Ci}/\text{ml}$ FOR CS-5

MINUTES BETWEEN TRANSFER & COUNTING	5 to 10	11 to 20	21 to 30	31 to 40	41 to 50	51 to 60
FACTOR OF EQUILIBRIUM	0.5	0.6	0.7	0.8	0.9	1.0

$$\frac{\text{CORRECTED COUNTS (CPM-BKG)}}{(\text{EQUILIBRIUM FACTOR})(\text{RESPONSE FACTOR})} = \mu\text{Ci}/\text{ml}$$

- AIR SAMPLE COLLECTION FOR RADON GAS 1 MINUTE OF FILTERED AIR DRAWN THROUGH CHAMBER CHAMBER VOLUME 0.52 LITERS
- ANALYSIS 2-5 HOURS AFTER COLLECTION
- CALLIBRATION CHECK
THORIUM 230 STANDARD ID. No. 11123
1 MINUTE COUNT DPM 15310
GROSS COUNTS (CPM) 6922
 $\frac{\text{CPM}}{\text{DPM}} \times 100 = \% \text{ EFF}$ EFFICIENCY 45.21 %

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UNC TETON EXPLORATION DRILLING, INC.

RADIATION FORM 1D

RADIOLOGICAL SURVEY - URANIUM MINE SITES
AIR SAMPLING - RADON GAS

LOCATION: LEUENBERGER PLANT
DATE: 6-10-82
SURVEYOR: R.A. GARLING

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SAMPLE LOCATION	Time Of Collection	COUNT TIME		TTL. CNT. Time Minutes	Chamber Background CPM	Gross Counts	CPM	Corrected Counts CPM-BKG	Response Factor	Equilibrium Factor	MPC 3×10^{-8} $\mu\text{Ci}/\text{ml}$
		From	To								
1. PROCESS PLANT - SW CORNER B	10:23	14:01	14:11	10	1.1	191	19.1	18	6×10^{-9}	1.0	3×10^{-9}
2. PROCESS PLANT - NW CORNER C	10:24	14:13	14:23	10	0.6	218	21.8	21.2	"	"	3.5×10^{-9}
3. PROCESS PLANT - 1X SKID D	10:27	14:24	14:34	10	1.1	375	37.5	36.6	"	"	6.1×10^{-9}
4. PROCESS PLANT - NE CORNER G	10:29	14:35	14:45	10	0.6	343	34.3	33.7	"	"	5.6×10^{-9}
5. PROCESS PLANT - SE CORNER H	10:32	14:46	14:56	10	1.3	292	29.2	27.9	"	"	4.7×10^{-9}
6. WELLFIELD TRAILER - CENTER J	10:38	15:20	15:30	10	1.4	79	7.9	6.5	"	"	1.1×10^{-9}

ROUTINE SPECIAL (If special, indicate reason for initiation of survey below) CORRECTIVE ACTION TAKEN

RESPONSE FACTOR = 6.0×10^9 CPM per $\mu\text{Ci}/\text{ml}$ FOR CS-6
RESPONSE FACTOR = 2.4×10^9 CPM per $\mu\text{Ci}/\text{ml}$ FOR CS-5

MINUTES BETWEEN TRANSFER & COUNTING	5 to 10	11 to 20	21 to 50	51 to 80	81 to 119	120 to 300
FACTOR OF EQUILIBRIUM	0.5	0.6	0.7	0.8	0.9	1.0

$$\frac{\text{CORRECTED COUNTS (CPM-BKG)}}{(\text{EQUILIBRIUM FACTOR})(\text{RESPONSE FACTOR})} = \mu\text{Ci}/\text{ml}$$

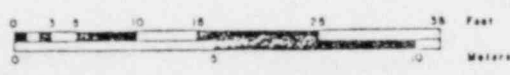
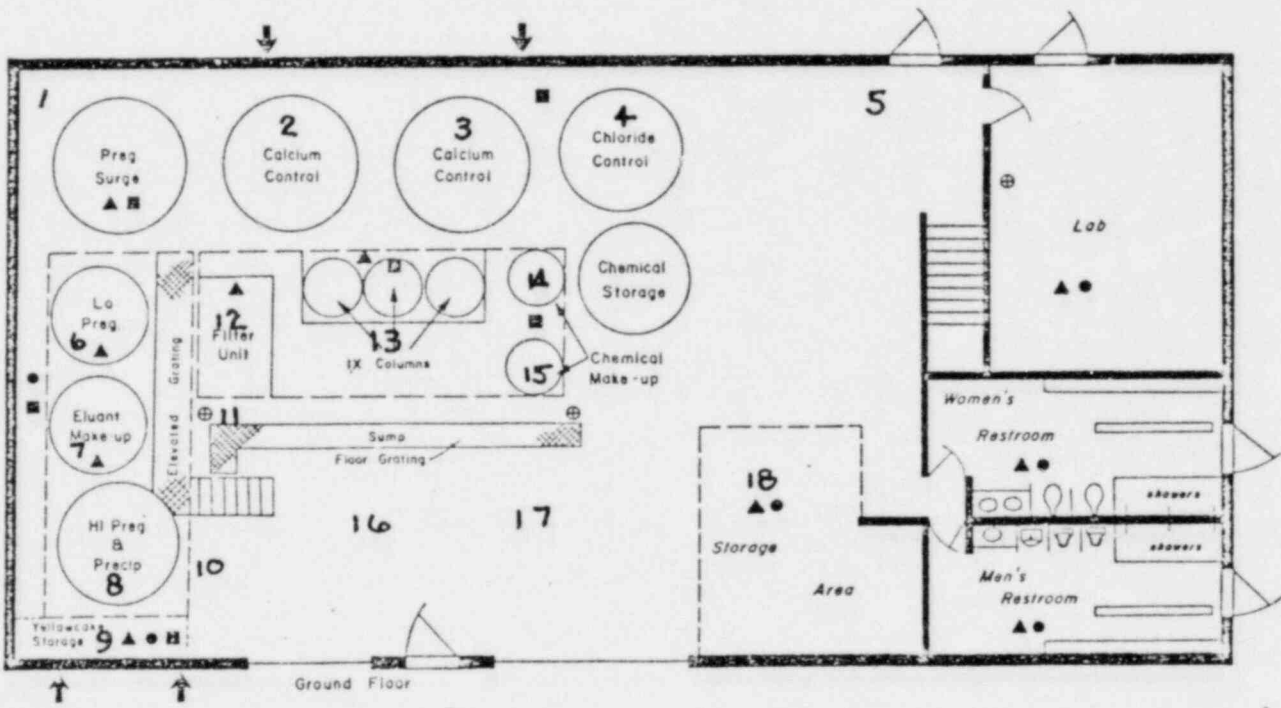
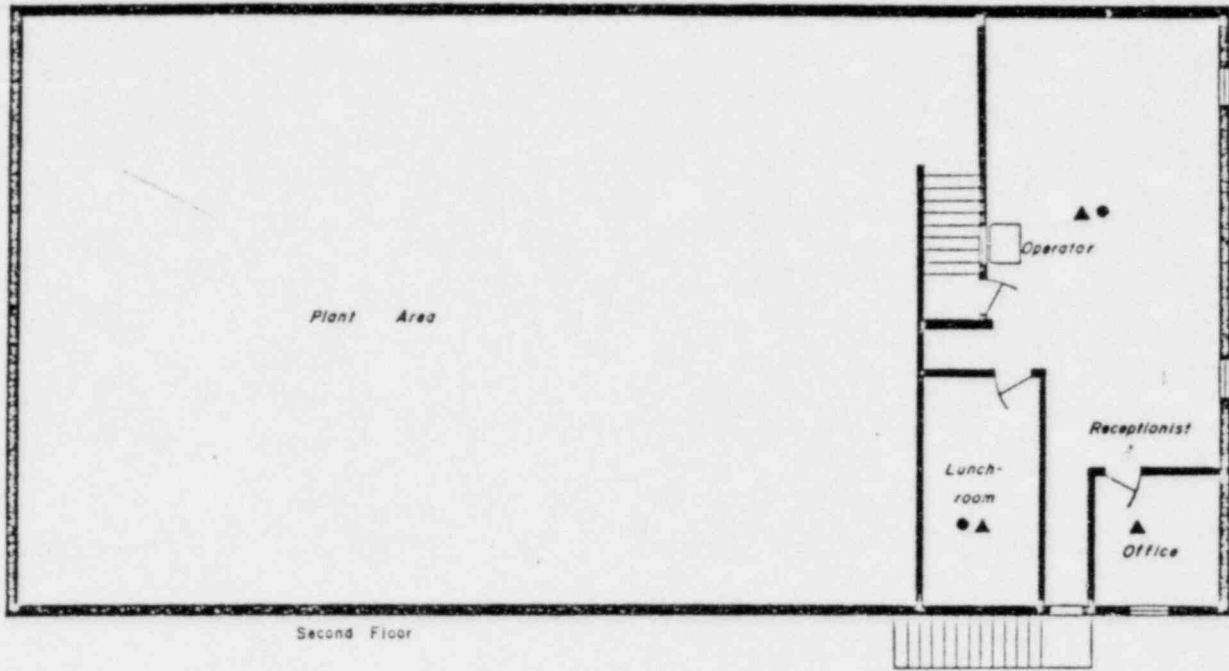
1. AIR SAMPLE COLLECTION FOR RADON GAS 1 MINUTE OF FILTERED AIR DRAWN THROUGH CHAMBER
CHAMBER VOLUME 0.52 LITERS

2. ANALYSIS 2-5 HOURS AFTER COLLECTION

3. CALLIBRATION CHECK
THORIUM 230 STANDARD ID. No. 11123
1 MINUTE COUNT DPM 15310
GROSS COUNTS (CPM) 6804

$$\frac{\text{CPM}}{\text{DPM}} \times 100 = \% \text{ EFF} \quad \text{EFFICIENCY } \underline{44.44} \%$$

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19 - WF TRAILER E END
 20 - WF TRAILER W END

- LEGEND**
- ⊕ SAFETY SHOWER
 - ▲ Alpha/Beta/Gamma SURVEY STATIONS
 - AREA MONITOR BADGES
 - RADON GAS SAMPLING STATIONS/WORKING LEVEL SAMPLING STATIONS
 - ↑ PLAN VIEW LOCATION OF AIR VENTS

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Figure III.2.1.01
 Process Plant Layout

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RADIATION FORM 1A

RADIOLOGICAL SURVEY - URANIUM MINE SITES
 SURFACE CONTAMINATION AREA SURVEY

LOCATION: LEUBENBERGER SITE
 DATE: 6-10-82
 SURVEYOR: R.A. GARLING

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SAMPLE LOCATION	Total Counts	Count Time	CPM	BKG	CPM - BKG	1/ EFF	DPM / 100cm ²	SAMPLE LOCATION	Total Counts	Count Time	CPM	BKG	CPM - BKG	1/ EFF	DPM / 100cm ²
1. NW PLANT CORNER	5	1	5	3	2	2.24	4.5	11. FLOOR by Sump	33	1	30	3	27	2.24	60.4
2. N INJ TANK AREA	5	1	5	3	2	"	4.5	12. SAND FILTER BASE	29	1	29	3	26	"	58.1
3. M INJ TANK AREA	4	1	4	3	1	"	2.2	13. TOP IX-A	11	1	11	3	8	"	17.9
4. NO ₂ CO ₃ TANK AREA	7	1	7	3	4	"	8.9	14. TOP BWT	16	1	16	3	13	"	29.1
5. MAINT. AREA	10	1	10	3	7	"	15.6	15. TOP NO ₂ CO ₃ MA	8	1	8	3	5	"	11.2
6. TOP LOW PREG TANK	8	1	8	3	5	"	11.2	16. PLANT FLOOR SC.	7	1	7	3	4	"	8.9
7. EMT TANK TOP	55	1	55	3	52	"	116.3	17. " " "	10	1	10	3	7	"	15.6
8. PPT TANK TOP	79	1	79	3	76	"	169.9	18. PLANT OPEN AREA	3	1	3	3	0	"	0
9. FLOOR BY PPT TANK	44	1	44	3	41	"	91.7	19. WF TRAILER FLOOR E	6	1	6	3	3	"	6.7
10. FLOOR FRONT PPT	22	1	22	3	19	"	42.5	20. WF TRAILER FLOOR W	1	1	1	3	<BKG	"	NA

(CPM-BKG) (1/ EFF) = DPM / 100cm²
 Make Sketch of Area or Item on IA Supplement

- ROUTINE SPECIAL (If special, indicate reason for survey)
 CORRECTIVE ACTION TAKEN

5 min Bk w clean filter - GROSS COUNTS - 14 cpm 3
Swipes taken after Tank Removal

- SAMPLE AREA 100cm² WITH 47mm FILTER PAPER
- COUNT FOR 1 MINUTE
- LIMITS: 1000 DPM/100cm² β = γ (BETA-GAMMA)
 1000 DPM/100cm² α (ALPHA)
- CALLIBRATION CHECK
 THORIUM 230 STANDARD ID. No. 11123
 1 Min. COUNT DPM 15370
 GROSS COUNTS (CPM) 6848
 $\frac{CPM}{DPM} \times 100 = \% \text{ EFF}$ EFFICIENCY = $\frac{44.13}{2.24} \% \frac{1}{EFF}$

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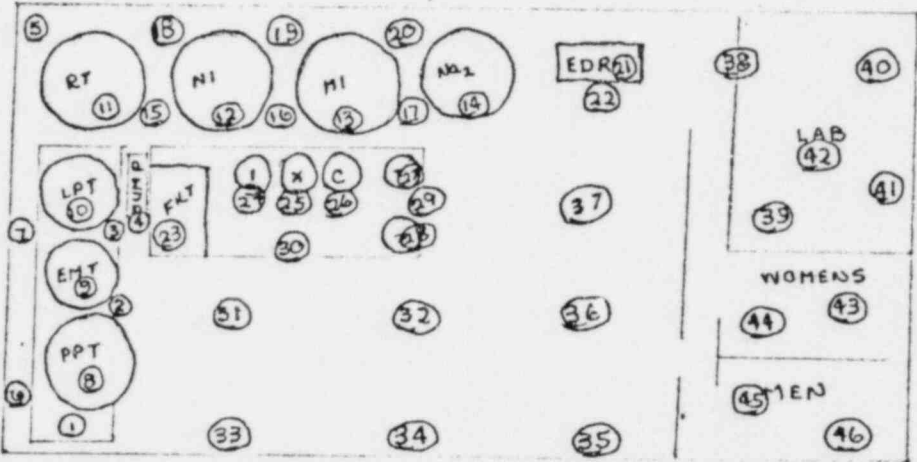
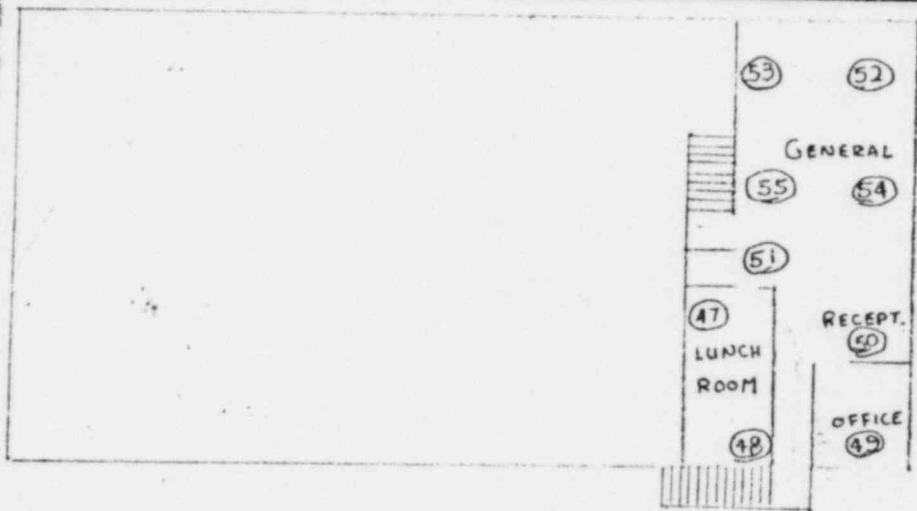
RADIATION FORM 1A
SUPPLEMENT

RADIOLOGICAL SURVEY - URANIUM MINE SITES
SURFACE CONTAMINATION AREA SURVEY

LOCATION: LEUENBERGER PROJECT

DATE: 5-16-82

SURVEYOR: RAG.

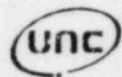


1. MAKE SKETCH OF AREA OR ITEM SURVEYED. INDICATE AREA OR LOCATION BY (O) CIRCLE AND NUMBER (1).
2. LIST RESULTS ON FORM 1A AND AT LOCATION ON SKETCH.
3. ATTACH TO FORM 1A.

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RADIATION FORM 1A

RADIOLOGICAL SURVEY - URANIUM MINE SITES
SURFACE CONTAMINATION AREA SURVEY

LOCATION: LEUENBERGER PROJECT

DATE: 3-16-82

SURVEYOR: R.A. GARLING

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SAMPLE LOCATION	Total Counts	Count Time	CPM	BKG	CPM - BKG	1/ EFF	DPM / 100 cm ²	SAMPLE LOCATION	Total Counts	Count Time	CPM	BKG	CPM - BKG	1/ EFF	DPM / 100 cm ²
1 PPT TANK Skid	39	1	39	2.2	36.8	2.18	80	11 RT SIDE	6	1	6	2.2	3.8	2.18	8.3
2 EMT TANK Skid	5	1	5	2.2	2.8	2.18	6.1	12 NIT SIDE	3	1	3	2.2	0.8		1.7
3 LPT TANK Skid	5	1	5	2.2	2.8		6.1	13 MIT SIDE	2	1	2	2.2	<BG		NA
4 Sump AREA FLOOR	2	1	2	2.2	<BG		NA	14 Na ₂ CO ₃ T SIDE	4	1	4	2.2	1.8		3.9
5 NW PLANT FLOOR-CORN.	2	1	2	2.2	<BG		NA	15 FLOOR RT-NIT	8	1	8	2.2	5.8		13
6 SW PLANT CORNER	28	1	28	2.2	25.8		56	16 FLOOR NIT-MIT	5	1	5	2.2	2.8		6.1
7 MW PLANT FLOOR	14	1	14	2.2	11.8		26	17 FLOOR MIT-NO ₂ CO ₃ T	9	1	9	2.2	6.8		15
8 PPT TANK TOP	23	1	23	2.2	20.8		45	18 BACK FLOOR RT-NIT	8	1	8	2.2	5.8		13
9 EMT TANK TOP	12	1	12	2.2	9.8		21	19 " " NIT-MIT	11	1	11	2.2	8.8		19
10 LPT TANK TOP	6	1	6	2.2	3.8		8.3	20 " " NIT - NO ₂ CO ₃ T	2	1	2	2.2	<BG		NA

$(\text{CPM} - \text{BKG}) \left(\frac{1}{\text{EFF}}\right) = \text{DPM} / 100 \text{ cm}^2$

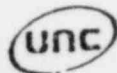
Make Sketch of Area or Item on 1A Supplement

ROUTINE SPECIAL (If special, indicate reason for survey)

CORRECTIVE ACTION TAKEN

- SAMPLE AREA 100 cm² WITH 47mm FILTER PAPER
 - COUNT FOR 1 MINUTE
 - LIMITS: 1000 DPM/100 cm² $\beta = \gamma$ (BETA-GAMMA)
1000 DPM/100 cm² α (ALPHA)
 - CALLIBRATION CHECK
THORIUM 230 STANDARD ID. No. 11123
1 Min. COUNT DPM 75310
GROSS COUNTS (CPM) 7017
- CPM / DPM X 100 = % EFF EFFICIENCY = 45.8% $\frac{1}{\text{EFF}}$

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RADIATION FLU IA

RADIOLOGICAL SURVEY - URANIUM MINE SITES
SURFACE CONTAMINATION AREA SURVEY

LOCATION: LEVENBERGER PROJECT
DATE: 3-16-82
SURVEYOR: R.A.G.

SAMPLE LOCATION	Total Counts	Count Time	CPM	BKG	CPM -BKG	1/ EFF	DPM / 100cm ²	SAMPLE LOCATION	Total Counts	Count Time	CPM	BKG	CPM -BKG	1/ EFF	DPM / 100cm ²
21 EDR POWER UNIT	2	1	2	3	<BG	2.23	NA	31 PLANT FLOOR	4	1	4	3	1	2.23	2.2
22 FLOOR by EDR	11	1	11	3	8		18	32 PLANT FLOOR	6	1	6	3	3		6.7
23 SAND FILTER SIDE	2	1	2	3	<BG		NA	33 "	13	1	13	3	10		22
24 1X A SIDE	2	1	2	3	<BG		NA	34 "	4	1	4	3	1		2.2
25 1X B SIDE	10	1	10	3	7		16	35 "	3	1	3	3	0		0
26 1X C SIDE	2	1	2	3	<BG		NA	36 "	9	1	9	3	6		13.4
27 BWT TOP	3	1	3	3	0		0	37 "	8	1	8	3	5		11.2
28 MIX TANK TOP	5	1	5	3	2		4.5	38 LAB FLOOR	3	1	3	3	0		0
29 1X SKID E: END	11	1	11	3	8		18	39 "	5	1	5	3	2		4.5
30 1X SIDE S. CENTER	8	1	8	3	5		11.2	40 LAB HOOD	5	1	5	3	2		4.5

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(CPM-BKG) (1/ EFF) = DPM / 100cm²
Make Sketch of Area or Item on IA Supplement

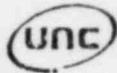
- ROUTINE SPECIAL (If special, indicate reason for survey)
 CORRECTIVE ACTION TAKEN

1. SAMPLE AREA 100cm² WITH 47mm FILTER PAPER
2. COUNT FOR 1 MINUTE
3. LIMITS: 1000 DPM/100cm² β=γ (BETA-GAMMA)
1000 DPM/100cm² α (ALPHA)
4. CALLIBRATION CHECK THORIUM 230 STANDARD ID. No. 11123
1 Min. COUNT DPM 12310
GROSS COUNTS (CPM) 6879

CPM / DPM X 100 = % EFF EFFICIENCY = 44.93% 1/ EFF 2.23

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RADIATION FORM 1A

RADIOLOGICAL SURVEY - URANIUM MINE SITES
SURFACE CONTAMINATION AREA SURVEY

LOCATION: LEUCHENBERGER PROJECT

DATE: 3-16-82

SURVEYOR: RAG

SAMPLE LOCATION	Total Counts	Count Time	CPM	BKG	CPM - BKG	1/ EFF	DPM / 100cm ²	SAMPLE LOCATION	Total Counts	Count Time	CPM	BKG	CPM - BKG	1/ EFF	DPM / 100cm ²
41 LAB COUNTER SINK	12	1	12	3	9	2.23	20	51 office Door Floor	1	1	1	3	< BG	2.23	NA
42 "	8	1	8	3	5		11	52 NE office Floor	3	1	3	3	0		0
43 WOMENS RR FLOOR	3	1	3	3	0		0	53 NW " "	9	1	9	3	6		13
44 " FLOOR	5	1	5	3	2		4.4	54 EC " "	3	1	3	3	0		0
45 MENS RR FLOOR	4	1	4	3	1		2.2	55 WC " "	7	1	7	3	4		8.9
46 " FLOOR	6	1	6	3	3		6.7	56 wt op desk	35	1	35	3	32		71
47 LUNCH ROOM COUNTER	2	1	2	3	<BG		NA	57 wt SAMPLE POINTS	4	1	4	3	1		2.2
48 " " FLOOR	5	1	5	3	2		4.4	58 wt WORK BENCH	11	1	11	3	8		18
49 MGR Office	3	1	3	3	0		0	59 Storage area floor	5	1	5	3	2		4.5
50 Recep. Area	7	1	7	3	4		8.9	60 } inside of removed 61 } wt pipe	839 488	1 1	839 488	3 3	836 485		1864 1082

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(CPM-BKG) / (1/ EFF) = DPM / 100cm²

Make Sketch of Area or Item on IA Supplement

ROUTINE SPECIAL (If special, indicate reason for survey)

CORRECTIVE ACTION TAKEN

Items 60 & 61 removed to a licensed disposal facility

1. SAMPLE AREA 100cm² WITH 47mm FILTER PAPER

2. COUNT FOR 1 MINUTE

3. LIMITS: 1000 DPM/100cm² β = γ (BETA-GAMMA)
1000 DPM/100cm² α (ALPHA)

4. CALIBRATION CHECK
THORIUM 230 STANDARD ID. No. _____
1 Min. COUNT DPM _____
GROSS COUNTS (CPM) _____

CPM / DPM X 100 = % EFF EFFICIENCY = _____ % 1/ EFF _____

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UNC TETON EXPLORATION DRILLING, INC.

ANALYTICAL WELL HISTORY

WELL # MI-1

DATE SMPLED	INITIAL 1-8-82	MONTH 1 2-1-82	MONTH 2 3-2-82	MONTH 3 3-29-82	MONTH 4 4-26-82	MONTH 5 5-24-82	MONTH 6 6-21-82
ANALYSIS DATES	1-12-82 ↓ 2-16-82	2-2-82 ↓ 3-15-82	3-3-82 ↓ 4-16-82	3-30-82 ↓ 5-28-82	4-27-82 ↓ 5-28-82	5-25-82 ↓	6-22-82 ↓

HCO ₃ ⁻ mg/l	93	112.2	131.3	134.9	143.5	157.4	202.3
CO ₃ ⁼ mg/l	-0-	-0-	-0-	-0-	-0-	-0-	-0-
Cl ⁻ mg/l	ND	1.6	3.4	3.8	3.4	4.3	6.1
SO ₄ ⁼ mg/l	28	40.0	49.0	56.0	50.2	59.0	58.5
Anion eq.	2.11	2.72	3.27	3.49	3.49	3.93	4.71
Ca ⁺⁺ mg/l	15	17.8	22.0	24.2	24.6	27.5	39
Mg ⁺⁺ mg/l	3	4.73	5.4	5.9	6.1	6.8	7.3
Na ⁺ mg/l	25.0	30.0	34.1	36.3	36.8	41.6	47.6
K ⁺ mg/l	2	3.1	3.9	4.4	3.9	5.2	5.6
Cation eq.	2.14	2.77	3.13	3.39	3.44	3.88	4.77
-/+balance	98.60	98.19	104.36	102.73	101.62	101.21	98.65
Sum TDS	166	211	249	266	269	302	366
Cond um/cm	240	275	314	332	349	395	484
TDS mg/l	119	150	424	110	220	168	292
pH unit	7.44	7.1	6.92	6.93	7.22	7.33	7.70
U mg/l	0.007	0.25	0.32	0.35	0.28	0.34	0.49
Aik mg/l	77	92	1	110.6	117.6	129.0	165.8
Al mg/l	<0.05	<0.10	/	<0.10	<0.10	<0.05	<0.05
NH ₄ ⁺ mg/l	<0.05	* <0.05	* <0.05	* <0.05	* <0.05	* 0.22	*
As mg/l	<0.005	* 0.030	* 0.044	* 0.056	* 0.021	* 0.020	*
Ba mg/l	<0.03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
B mg/l	<0.01	* <0.01	* 0.20	* 0.10	* 0.23	* 0.13	*
Cd mg/l	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cu mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
F mg/l	0.27	* 0.36	* 0.45	* 0.30	* 0.24	* 0.22	*
Fe mg/l	<0.01	0.22	0.29	0.20	0.17	<0.05	<0.05
Pb mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mn mg/l	0.01	<0.05	<0.05	<0.05	<0.05	0.05	0.06
Hg mg/l	<0.0005	* <0.0005	* <0.0005	* <0.0002	* <0.0002	* <0.0002	*
Mo mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ni mg/l	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NO ₂ /NO ₃ "	<0.05	* <0.05	* 0.33	* <0.05	* <0.05	* <0.05	*
Se mg/l	<0.005	<0.001	* 0.018	* 0.006	* <0.001	* <0.001	*
V mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zn mg/l	<0.005	<0.10	<0.01	<0.01	<0.01	0.01	<0.01
Ra ²²⁶ pci/l	75±5	* 72±5	* 124±6	* 117±6	* 112±6	* 117±5.3	
Th ²³⁰ pci/l	2.5±0.8	* 2.7±1.0	* 2.7±1.2	* 20.7±2.8	* 13.3±2.3	*	
Gross A "	NA	NA	NA	NA	NA	NA	
Gross B "	NA	NA	NA	NA	NA	NA	

* ANALYZED BY OUTSIDE LABORATORY

OFFICIAL DOCKET COPY

20606

04008728100E
UNC TETON EXPLORATION DRILLING, INC.

ANALYTICAL WELL HISTORY

WELL # MI-6

DATE SMPLED	INITIAL 1-8-82	MONTH 1 2-1-82	MONTH 2 3-2-82	MONTH 3 3-29-82	MONTH 4 4-26-82	MONTH 5 5-24-82	MONTH 6 6-21-82
ANALYSIS DATES	1-12-82 ↓ 2-16-82 *	2-2-82 ↓ 3-30-82	3-3-82 ↓ 4-16-82	3-30-82 ↓ 5-28-82	4-27-82 ↓ 5-28-82	5-25-82 ↓	6-22-82 ↓

HCO ₃ ⁻ mg/l	240	244.0	241.8	244.5	253.8	250.3	246.7
CO ₃ ⁼ mg/l	-0.	-0.	-0.	-0.	-0.	-0.	-0.
Cl mg/l	8	8.5	8.0	9.2	8.8	8.8	8.1
SO ₄ ⁼ mg/l	77	76.1	77	80	84.1	82	82.9
Anion eq.	5.76	5.83	5.79	5.93	6.16	6.06	6.00
Ca ⁺⁺ mg/l	54	44.0	46.2	46.2	49.5	44.0	48
Mg ⁺⁺ mg/l	4	11.2	11.1	11.2	11.7	10.9	11.9
Na ⁺ mg/l	59	61.0	59.3	58.0	59.2	60.9	58.9
K ⁺ mg/l	5	5.8	6.3	6.4	6.0	7.4	5.8
Cation eq.	5.72	5.93	5.97	5.93	6.18	5.95	6.10
-/+balance	100.70	98.16	96.97	100.09	99.73	101.92	98.34
Sum TDS	447	451	450	457	473	464	462
Cond um/cm	500	565	573	574	588	583	582
TDS mg/l	328	330	552	290	370	306	344
pH unit	7.17	7.0	6.93	7.12	7.15	7.51	7.52
U mg/l	0.036	0.62	0.59	0.54	0.50	0.37	0.35
AlK mg/l	197	200.0	198.2	200.4	208.0	205.2	202.2
Al mg/l	<0.05	<0.10	<0.10	<0.10	0.44	<0.05	<0.05
NH ₄ ⁺ mg/l	<0.05	* <0.05	* <0.05	* <0.05	* <0.05	* 0.22	*
As mg/l	<0.005	* 0.014	* 0.050	* 0.046	* 0.063	* 0.174	*
Ba mg/l	<0.03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
B mg/l	<0.01	* <0.01	* 0.26	* 0.18	* 0.28	* 0.11	*
Cd mg/l	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cu mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
F mg/l	0.30	* 0.36	* 0.40	* 0.36	* 0.24	* 0.27	*
Fe mg/l	<0.01	0.10	<0.05	0.08	0.32	0.21	0.15
Pb mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mn mg/l	0.01	<0.05	<0.05	<0.05	0.07	0.08	0.10
Hg mg/l	<0.0005	* <0.0005	* <0.0005	* <0.0002	* <0.0002	* <0.0002	*
Mo mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ni mg/l	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NO ₂ /NO ₃ "	0.30	* 0.34	* 0.29	* 0.14	* <0.05	* <0.05	*
Se mg/l	<0.005	* 0.009	* 0.026	* 0.014	* <0.001	* 0.002	*
V mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zn mg/l	<0.005	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Ra ²²⁶ pci/l	326 ± 10	* 275 ± 9	* 338 ± 10	* 238 ± 8	* 278 ± 9	* 362 ± 9.4	
Th ²³⁰ pci/l	14.1 ± 1.8	* 10.8 ± 1.9	* 0.9 ± 1	* 21.8 ± 2.8	* 24.1 ± 2.9	*	
Gross A "	NA	NA	NA	NA	NA	NA	
Gross B "	NA	NA	NA	NA	NA	NA	

* ANALYZED BY OUTSIDE LABORATORY

04008728100E
UNC TETON EXPLORATION DRILLING, INC.

ANALYTICAL WELL HISTORY

WELL # MI-10

DATE SMPLD	INITIAL 1-8-82	MONTH 1 2-1-82	MONTH 2 3-2-82	MONTH 3 3-29-82	MONTH 4 4-26-82	MONTH 5 5-24-82	MONTH 6 6-21-82
ANALYSIS DATES	1-12-82 ↓ 2-16-82*	2-2-82 ↓ 3-30-82	3-8-82 ↓ 4-16-82	3-30-82 ↓ 5-28-82	4-27-82 ↓ 5-28-82	5-25-82 ↓	6-22-82 ↓

HCO ₃ ⁻ mg/l	236	238.9	239.9	244.2	246.9	247.4	250.1
CO ₃ ⁼ mg/l	-0-	-0-	-0-	-0-	-0-	-0-	-0-
Cl ⁻ mg/l	6	7.9	7.2	8.5	8.3	8.4	8.3
SO ₄ ⁼ mg/l	82	76.1	79	85	85.1	86	84.9
Anion eq.	5.74	5.72	5.78	6.01	6.05	6.08	6.10
Ca ⁺⁺ mg/l	44	46.2	46.2	46.2	47.3	44.0	47
Mg ⁺⁺ mg/l	10	11.0	11.0	10.9	11.2	10.6	11.4
Na ⁺ mg/l	61	60	59.3	57.3	58.4	60.1	64.2
K ⁺ mg/l	5	6.0	6.7	6.6	6.0	7.6	5.9
Cation eq.	5.80	5.99	5.98	5.88	5.99	5.89	6.24
-/+balance	98.97	95.58	96.74	102.30	101.06	103.28	97.76
Sum TDS	444	446	449	459	463	464	472
Cond um/cm	490	555	566	572	579	576	583
TDS mg/l	324	330	570	282	372	296	338
pH unit	7.32	6.9	6.94	7.14	7.07	7.99	7.62
U mg/l	0.015	0.51	0.48	0.41	0.35	0.28	0.29
Alk mg/l	193	195.8	196.6	200.2	202.4	202.8	205.0
Al mg/l	<0.05	<0.10	0.25	<0.10	<0.10	<0.05	<0.05
NH ₄ ⁺ mg/l	<0.05	* <0.05	* <0.05	* <0.05	* <0.05	* 0.33	*
As mg/l	<0.005	* 0.014	* 0.045	* 0.054	* 0.034	* 0.108	*
Ba mg/l	<0.03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
B mg/l	<0.01	* <0.01	* 0.21	* 0.18	* 0.22	* 0.16	*
Cd mg/l	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cu mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
F mg/l	0.30	* 0.36	* 0.36	* 0.33	* 0.93	* 0.27	*
Fe mg/l	<0.01	0.22	0.30	0.40	0.36	<0.05	0.10
Pb mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mn mg/l	0.01	0.05	0.09	0.10	0.10	0.11	0.10
Hg mg/l	<0.0005	* <0.0005	* <0.0005	* <0.0002	* <0.0002	* <0.0002	*
Mo mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ni mg/l	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NO ₂ /NO ₃ "	0.10	* 0.11	* 0.21	* <0.05	* <0.05	* <0.05	*
Se mg/l	<0.005	* 0.006	* 0.014	* 0.006	* <0.001	* <0.0001	*
V mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zn mg/l	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ra ²²⁶ pci/l	199 ± 8	* 223 ± 8	* 376 ± 10	* 419 ± 11	* 394 ± 11	* 321 ± 8.8	
Th ²³⁰ pci/l	4.3 ± 1.0	* 1.8 ± 0.8	* 2.8 ± 1.2	* 12.6 ± 2.2	* 10.8 ± 1.9		
Gross A "	NA	NA	NA	NA	NA	NA	
Gross B "	NA	NA	NA	NA	NA	NA	

* ANALYZED BY OUTSIDE LABORATORY

OFFICIAL DOCKET COPY

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04008728100E
UNC TETON EXPLORATION DRILLING, INC.

ANALYTICAL WELL HISTORY

WELL # MR-1

DATE SMPLED	INITIAL 1-8-82	MONTH 1 2-1-82	MONTH 2 3-2-82	MONTH 3 3-29-82	MONTH 4 4-26-82	MONTH 5 5-24-82	MONTH 6 6-21-82
ANALYSIS DATES	1-12-82 ↓ 2-16-82	2-2-82 ↓ 3-30-82	3-3-82 ↓ 4-16-82	3-30-82 ↓ 5-28-82	4-27-82 ↓ 5-28-82	5-25-82 ↓	6-22-82 ↓

HCO ₃ ⁻ mg/l	244	236.7	239.1	246.4	263.3	247.9	278.2
CO ₃ ⁼ mg/l	.0	.0	.0	.0	.0	.0	.0
Cl mg/l	7	7.1	8.5	7.7	7.8	7.8	8.3
SO ₄ ⁼ mg/l	82	87.8	93	96	95.6	101	96.6
Anion eq.	5.91	5.91	6.10	6.26	6.53	6.55	6.81
Ca ⁺⁺ mg/l	40	44.0	47.3	46.2	49.5	47.3	54
Mg ⁺⁺ mg/l	11	10.7	10.6	10.3	11.4	11.2	11.9
Na ⁺ mg/l	64	61	64.9	62.4	63.8	65.1	67.2
K ⁺ mg/l	5	6.1	6.7	6.8	6.7	6.8	6.8
Cation eq.	5.81	5.90	6.24	6.06	6.37	6.30	6.79
-/+balance	101.72	100.16	97.68	103.32	102.47	103.95	100.29
Sum TDS	453	453	470	476	498	497	523
Cond um/cm	500	577	589	600	626	618	652
TDS mg/l	339	340	570	328	392	342	378
pH unit	7.02	7.0	6.78	6.79	7.09	7.39	7.46
U mg/l	0.007	0.15	0.15	0.18	0.20	0.15	0.23
Aik mg/l	200	194.0	196.0	202.0	215.8	211.4	228.0
Al mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
NH ₄ ⁺ mg/l	<0.05	* <0.05	* 0.24	* 0.24	* <0.05	* 0.36	*
As mg/l	<0.005	* 0.020	* 0.025	* 0.034	* 0.008	* 0.025	*
Ba mg/l	<0.03	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
B mg/l	<0.01	* <0.01	* 0.23	* 0.12	* 0.42	* 0.16	*
Cd mg/l	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cu mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
F mg/l	0.30	* 0.33	* 0.30	* 0.40	* 0.30	* 0.30	*
Fe mg/l	<0.01	0.77	1.13	1.54	2.05	0.70	0.47
Pb mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mn mg/l	0.02	0.06	0.10	0.09	0.10	0.11	0.14
Hg mg/l	<0.0005	* <0.0005	* <0.0005	* <0.0002	* <0.0002	* <0.0002	*
Mo mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ni mg/l	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NO ₂ /NO ₃ "	0.10	* <0.05	* <0.05	* <0.05	* <0.05	* <0.05	
Se mg/l	<0.005	* 0.008	* <0.001	* 0.004	* 0.006	* 0.003	
V mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zn mg/l	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ra ²²⁶ pci/l	391 ± 11	* 462 ± 12	* 564 ± 12	* 453 ± 11	* 491 ± 12	* 641 ± 12.5	
Th ²³⁰ pci/l	8.0 ± 1.4	* 7.4 ± 1.6	* 3.6 ± 1.4	* 24.3 ± 3.0	* 20.4 ± 2.8	*	
Gross A "	NA	NA	NA	NA	NA	NA	
Gross B "	NA	NA	NA	NA	NA	NA	

* ANALYZED BY OUTSIDE LABORATORY

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04008728100E
UNC TETON EXPLORATION DRILLING, INC.

ANALYTICAL WELL HISTORY

WELL # MR-3

DATE SMPLED	INITIAL 1-8-82	MONTH 1 2-1-82	MONTH 2 3-2-82	MONTH 3 3-29-82	MONTH 4 4-26-82	MONTH 5 5-24-82	MONTH 6 6-21-82
ANALYSIS DATES	1-12-82 ↓ 2-16-82*	2-2-82 ↓ 3-30-82	3-3-82 ↓ 4-16-82	3-30-82 ↓ 5-28-82	4-27-82 ↓ 5-28-82	5-25-82 ↓	6-22-82 ↓

HCO ₃ ⁻ mg/l	268	260.8	254.2	263.5	269.6	260.6	274.0
CO ₂ mg/l	.0	.0	.0	.0	.0	.0	.0
Cl mg/l	8	8.1	8.2	8.6	9.6	9.1	9.2
SO ₄ ⁼ mg/l	82	84.9	88	87	85.1	86	88.8
Anion eq.	6.34	6.27	6.23	6.37	6.46	6.32	6.60
Ca ⁺⁺ mg/l	42	44.0	44.0	44.0	46.2	42.9	47
Mg ⁺⁺ mg/l	10	10.1	9.9	9.6	10.1	9.8	10.3
Na ⁺ mg/l	74	70	71.8	68.5	69.7	69.3	72.5
K ⁺ mg/l	6	7.3	8.0	8.1	7.7	8.0	7.6
Cation eq.	6.29	6.27	6.35	6.19	6.38	6.18	6.56
-/+balance	100.95	100.00	98.11	103.05	101.31	102.28	100.70
Sum TDS	490	485	484	489	498	486	509
Cond um/cm	540	607	614	603	621	604	621
TDS mg/l	358	362	526	332	386	334	360
pH unit	7.12	7.0	6.98	7.18	7.46	7.96	7.55
U mg/l	0.002	0.13	0.3	0.11	0.08	0.05	0.07
Al* mg/l	220	213.8	208.4	216.0	221.0	213.6	224.6
Al mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
NH ₄ ⁺ mg/l	<0.05	* <0.05	* <0.05	* <0.05	* <0.05	* 0.22	*
As mg/l	<0.005	* 0.020	* 0.019	* 0.030	* 0.012	* 0.025	*
Ba mg/l	<0.03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
B mg/l	<0.01	* <0.01	* 0.22	* 0.12	* 0.24	* 0.17	*
Cd mg/l	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cu mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
F mg/l	0.33	* 0.33	* 0.30	* 0.30	* 0.27	* 0.24	*
Fe mg/l	<0.01	<0.05	<0.05	<0.05	0.08	<0.05	<0.05
Pb mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mn mg/l	0.03	<0.05	<0.05	<0.05	0.08	0.06	0.08
Hg mg/l	<0.0005	* <0.0005	* <0.0005	* <0.0002	* <0.0002	* <0.0002	*
Mo mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ni mg/l	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NO ₂ /NO ₃ "	0.10	* 0.08	* 0.07	* <0.05	* <0.05	* <0.05	*
Se mg/l	<0.005	* 0.026	* <0.001	* 0.026	* 0.010	* 0.005	*
V mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zn mg/l	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ra ²²⁶ pci/l	* 18.6 ± 2.4	* 17 ± 2	* 15.5 ± 2.1	* 16.9 ± 2.2	* 15.3 ± 2.2	* 18.5 ± 2.3	
Th ²³⁰ pci/l	9.2 ± 1.5	* 10.5 ± 1.9	* 3.5 ± 1.4	* 21.6 ± 2.8	* 17.2 ± 2.6		
Gross A "	NA	NA	NA	NA	NA	NA	
Gross B "	NA	NA	NA	NA	NA	NA	

* ANALYZED BY OUTSIDE LABORATORY

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20606

04008728100E
UNC TETON EXPLORATION DRILLING, INC.

ANALYTICAL WELL HISTORY

WELL # MR-5

DATE SMPLED	INITIAL 1-8-82	MONTH 1 2-1-82	MONTH 2 3-2-82	MONTH 3 3-29-82	MONTH 4 4-26-82	MONTH 5 5-24-82	MONTH 6 6-21-82
ANALYSIS DATES	1-12-82 ↓ 2-16-82	2-2-82 ↓ 3-30-82	3-3-82 ↓ 4-16-82	3-30-82 ↓ 5-28-82	4-27-82 ↓ 5-28-82	5-25-82 ↓	6-22-82 ↓

HCO ₃ ⁻ mg/l	268	263.8	264.7	266.7	267.2	274.7	272.1
CO ₃ ⁻ mg/l	.0	.0	.0	.0	.0	.0	.0
Cl mg/l	9	10.1	10.9	10.3	10.4	10.0	10.0
SO ₄ ⁻ mg/l	82	90.7	94	95	93.7	93	94.6
Anion eq.	6.36	6.50	6.61	6.64	6.63	6.72	6.71
Ca ⁺⁺ mg/l	43	47.3	47.3	48.4	49.5	47.3	48
Mg ⁺⁺ mg/l	10	11.4	10.7	10.9	11.0	11.0	11.4
Na ⁺ mg/l	72	71	73.0	69.1	69.3	69.9	74.8
K ⁺ mg/l	6	7.9	8.0	8.1	7.6	7.8	7.6
Cation eq.	6.25	6.60	6.64	6.54	6.60	6.52	6.80
-/+balance	101.76	98.40	99.54	101.55	100.40	103.10	98.77
Sum TDS	490	502	509	509	509	514	519
Cond um/cm	550	633	628	638	646	634	638
TDS mg/l	364	374	530	350	402	356	376
pH unit	7.02	7.0	6.83	7.26	7.50	7.65	7.48
U mg/l	0.005	0.18	0.29	0.19	0.15	0.11	0.16
Alk mg/l	220	216.2	217.0	218.6	219.0	225.2	223.0
Al mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
NH ₄ ⁺ mg/l	<0.05	* <0.05	* <0.05	* <0.05	* <0.05	* 0.27	*
As mg/l	<0.005	* 0.022	* 0.078	* 0.150	* 0.059	* 0.108	*
Ba mg/l	<0.03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
B mg/l	<0.01	* <0.01	* 0.19	* 0.11	* 0.18	* 0.08	*
Cd mg/l	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cu mg/l	<0.01	* 0.05	* 0.05	* 0.05	* 0.05	* 0.05	* 0.05
P mg/l	0.27	* 0.33	* 0.27	* 0.27	* 0.27	* 0.27	*
Fe mg/l	<0.01	<0.05	<0.05	0.32	0.34	0.09	<0.05
Pb mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mn mg/l	0.02	0.06	0.08	0.09	0.10	0.09	0.09
Hg mg/l	<0.0005	* <0.0005	* <0.0005	* <0.0002	* <0.0002	* <0.0002	*
Mo mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ni mg/l	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NO ₂ /NO ₃ "	<0.05	* <0.05	* <0.05	* <0.05	* <0.05	* <0.05	*
Se mg/l	<0.005	* 0.014	* <0.001	* 0.013	* <0.001	* 0.005	*
V mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zn mg/l	<0.005	<0.01	<0.01	<0.01	<0.001	<0.01	<0.01
Ra ²²⁶ pci/l	215 ± 8	* 174 ± 7	* 164 ± 7	* 169 ± 6.9	* 171 ± 7	* 192 ± 7.4	*
Th ²³⁰ pci/l	5.5 ± 1.1	* 2.5 ± 1.0	* 0.8 ± 0.8	* 16.9 ± 2.6	* 12.4 ± 2.2	*	*
Gross A "	NA	NA	NA	NA	NA	NA	NA
Gross B "	NA	NA	NA	NA	NA	NA	NA

* ANALYZED BY OUTSIDE LABORATORY

04008728100E
UNC TETON EXPLORATION DRILLING, INC.

ANALYTICAL WELL HISTORY

WELL # 301

DATE SMPLED	INITIAL	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6
	1-8-82	2-1-82	3-2-82	3-29-82	4-26-82	5-24-82	6-21-82
ANALYSIS DATES	1-12-82	2-2-82	3-3-82	3-30-82	4-27-82	5-25-82	6-22-82
	↓ 2-16-82*	↓ 3-30-82	↓ 4-16-82	↓ 5-28-82	↓ 5-28-82	↓	↓

HCO ₃ ⁻ mg/l	211	207.6	211.8	210.3	217.2	218.9	219.6
CO ₃ ⁼ mg/l	.0	.0	.0	.0	.0	.0	.0
Cl mg/l	6	7.8	8.3	8.2	8.3	8.2	7.4
SO ₄ ⁼ mg/l	84	85.9	96	97	92.7	98	97.6
Anion eq.	5.38	5.41	5.71	5.70	5.73	5.86	5.84
Ca ⁺⁺ mg/l	45	39	44.0	44.0	45.1	44	47
Mg ⁺⁺ mg/l	6	10.3	10.5	10.6	10.5	11.0	11.6
Na ⁺ mg/l	57	58	57.1	55.4	54.6	56.9	52.2
K ⁺ mg/l	5	6.2	6.4	6.4	5.9	6.3	6.4
Cation eq.	5.35	5.49	5.72	5.66	5.66	5.75	5.75
-/+balance	100.56	98.61	99.73	100.77	101.25	101.90	101.60
Sum TDS	414	415	434	432	434	443	442
Cond um/cm	470	541	553	558	654	561	564
TDS mg/l	311	320	456	302	348	316	338
pH unit	7.45	7.0	6.87	7.33	7.43	7.59	7.58
U mg/l	0.008	0.34	0.33	0.30	0.38	0.30	0.42
Aik mg/l	173	170.2	173.6	172.4	178.0	179.4	180.0
Al mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
NH ₄ ⁺ mg/l	<0.05	*0.20	*<0.05	*<0.05	*<0.05	*0.20	*
As mg/l	<0.005	*0.031	*0.052	*0.284	*0.095	*0.150	*
Ba mg/l	<0.03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
B mg/l	<0.01	*<0.01	*0.24	*0.30	*0.23	*0.07	*
Cd mg/l	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cu mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
F mg/l	0.30	*0.27	*0.36	*0.36	*0.30	*0.30	*
Fe mg/l	<0.01	0.79	1.25	0.99	1.19	0.56	0.22
Pb mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mn mg/l	0.02	0.05	0.06	0.06	0.08	0.08	0.08
Hg mg/l	<0.0005	*<0.0005	*<0.0005	*<0.0002	*<0.0002	*<0.0002	*
Mo mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ni mg/l	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NO ₂ /NO ₃ "	0.10	*<0.05	*<0.05	*<0.05	*<0.05	*<0.05	*
Se mg/l	<0.005	*<0.001	*<0.001	*<0.001	*<0.001	*<0.001	*
V mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zn mg/l	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ra ²²⁶ pci/l	709 ± 15	*786 ± 15	*787 ± 15	*836 ± 15	*631 ± 14	*824 ± 15.2	
Th ²³⁰ pci/l	5.5 ± 1.1	*6.3 ± 1.5	*23 ± 3	*16.2 ± 2.5	*16.7 ± 2.6	*	
Gross A "	NA	NA	NA	NA	NA	NA	
Gross B "	NA	NA	NA	NA	NA	NA	

* ANALYZED BY OUTSIDE LABORATORY

OFFICIAL DOCKET COPY

20606

04008728/00E
UNC TETON EXPLORATION DRILLING, INC.

ANALYTICAL WELL HISTORY

WELL # 306

DATE SMPLED	INITIAL 1-8-82	MONTH 1 2-1-82	MONTH 2 3-2-82	MONTH 3 3-29-82	MONTH 4 4-26-82	MONTH 5 5-24-82	MONTH 6 6-21-82
ANALYSIS DATES	1-12-82 ↓ 2-16-82	2-2-82 ↓ 3-30-82	3-3-82 ↓ 4-16-82	3-30-82 ↓ 5-18-82	4-27-82 ↓ 5-28-82	5-25-82 ↓	6-22-82 ↓

HCO ₃ ⁻ mg/l	281	322.8	317.2	317.7	303.5	309.4	305.5
CO ₃ ⁻ mg/l	0	9.1	9.4	7.9	11.5	8.6	7.2
Cl ⁻ mg/l	8	8.5	8.0	9.3	8.5	8.0	8.1
SO ₄ ⁻ mg/l	135	124.9	128	129	121.8	124	122.9
Anion eq.	7.50	8.44	8.41	8.42	8.14	8.17	8.04
Ca ⁺⁺ mg/l	85	90	100.1	99.0	95.7	92.4	92
Mg ⁺⁺ mg/l	20	24.2	23.0	22.8	23.3	22.4	22.1
Na ⁺ mg/l	32	33	31.5	32.6	32.3	32.1	28.0
K ⁺ mg/l	7	8.7	8.8	8.7	8.7	8.5	8.3
Cation eq.	7.45	8.17	8.52	8.49	8.35	8.10	7.87
-/+balance	100.67	103.21	98.69	99.19	97.39	100.83	102.10
Sum TDS	568	621	626	629	605	605	594
Cond um/cm	600	763	752	744	730	723	725
TDS mg/l	428	476	570	432	458	424	442
pH unit	7.84	8.2	8.21	8.19	8.32	8.23	8.24
U mg/l	0.093	1.64	1.51	1.56	1.36	1.30	1.25
Alk mg/l	230	279.8	275.6	273.6	268.0	268.0	262.4
Al mg/l	<0.05	0.10	0.28	0.20	0.10	<0.05	<0.05
NH ₄ ⁺ mg/l	<0.05	* <0.05	* <0.05	* <0.05	* <0.05	* 0.20	*
As mg/l	<0.005	* 0.009	* 0.014	* 0.036	* 0.012	* 0.021	*
Ba mg/l	<0.03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
B mg/l	<0.01	* <0.01	* 0.24	* 0.12	* 0.10	* 0.08	*
Cd mg/l	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cu mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
F mg/l	0.57	* 0.57	* 0.51	* 0.65	* 0.45	* 0.51	*
Fe mg/l	<0.01	0.44	0.19	0.42	0.53	<0.05	<0.05
Pb mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mn mg/l	<0.01	0.06	0.08	0.08	0.09	0.06	0.08
Hg mg/l	<0.0005	* <0.0005	* <0.0005	* <0.0002	* <0.0002	* <0.0002	*
Mo mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ni mg/l	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NO ₂ /NO ₃ "	<0.05	* <0.05	* <0.05	* <0.05	* <0.05	* <0.05	*
Se mg/l	<0.005	* <0.001	* 0.009	* <0.001	* <0.001	* <0.001	*
V mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zn mg/l	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ra ²²⁶ pci/l	1229 ± 20	* 1175 ± 18	* 1203 ± 18	* 1267 ± 19	* 1164 ± 19	* 926 ± 16.2	
Th ²³⁰ pci/l	6.7 ± 1.3	* 8.1 ± 1.7	* 5.4 ± 1.6	* 14.4 ± 2.4	* 16.2 ± 2.6		
Gross A "	NA	NA	NA	NA	NA	NA	
Gross B "	NA	NA	NA	NA	NA	NA	

* ANALYZED BY OUTSIDE LABORATORY

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20606

04008728100E
UNC TETON EXPLORATION DRILLING, INC.

ANALYTICAL WELL HISTORY

WELL # 308

DATE SMPLED	INITIAL 1-8-82	MONTH 1 2-1-82	MONTH 2 3-2-82	MONTH 3 3-29-82	MONTH 4 4-26-82	MONTH 5 5-24-82	MONTH 6 6-21-82
ANALYSIS DATES	1-12-82 ↓ 2-16-82	2-2-82 ↓ 3-30-82	3-8-82 ↓ 4-16-82	3-30-82 ↓ 5-28-82	4-27-82 ↓ 5-26-82	5-25-82 ↓	6-22-82 ↓

HCO ₃ ⁻ mg/l	211	207.4	209.1	211.8	212.0	216.9	211.8
CO ₃ ⁻ mg/l	0	11.5	7.0	9.8	6.7	7.2	9.8
Cl ⁻ mg/l	NO	1.5	1.8	1.8	2.5	2.0	2.3
SO ₄ ⁻ mg/l	280	298.5	323	319	312.5	311	304.4
Anion eq.	9.28	10.04	10.44	10.50	10.28	10.33	10.21
Ca ⁺⁺ mg/l	123	128	128.7	129.8	129.8	129.8	127
Mg ⁺⁺ mg/l	20	27.8	26.4	27.4	27.2	27.5	26.0
Na ⁺ mg/l	32	33	32.1	33.6	32.1	33.4	25.0
K ⁺ mg/l	9	10.8	10.6	10.5	10.3	10.2	10.2
Cation eq.	9.40	10.43	10.30	10.50	10.42	10.50	9.87
-/+balance	98.72	96.32	101.35	99.92	98.69	98.44	103.45
Sum TDS	675	719	739	744	733	738	717
Cond um/cm	750	931	921	933	917	917	898
TDS mg/l	569	656	760	608	664	624	622
pH unit	7.88	8.3	8.16	8.17	8.26	8.22	8.26
U mg/l	0.004	1.49	0.12	0.33	0.09	0.04	0.06
Alk mg/l	173	189.2	183.0	190.0	185.0	189.8	190.0
Al mg/l	<0.05	0.10	2.10	0.85	0.44	<0.05	<0.05
NH ₄ ⁺ mg/l	<0.05	* <0.05	* <0.05	* <0.05	* <0.05	* <0.05	*
As mg/l	<0.0005	* 0.002	* <0.005	* 0.014	* 0.003	* 0.007	*
Ba mg/l	<0.03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
B mg/l	<0.01	* <0.01	* 0.22	* 0.10	* 0.25	* 0.13	*
Cd mg/l	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Cu mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
F mg/l	0.65	* 0.74	* 0.65	* 0.65	* 0.65	* 0.65	*
Fe mg/l	<0.01	0.33	2.39	1.73	0.24	<0.05	<0.05
Pb mg/l	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mn mg/l	0.02	0.06	0.10	0.10	0.09	0.06	0.09
Hg mg/l	<0.0005	* <0.0005	* <0.0005	* <0.0002	* <0.0002	* <0.0002	*
Mo mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ni mg/l	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
NO ₂ /NO ₃ "	<0.05	* <0.05	* 0.06	* <0.05	* <0.05	* 0.20	*
Se mg/l	<0.005	* <0.001	* 0.006	* <0.001	* <0.001	* <0.001	*
V mg/l	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zn mg/l	<0.005	<0.01	0.068	0.01	<0.01	<0.01	<0.01
Ra ²²⁶ pci/l	13.1 ± 2.1	* 9.5 ± 1.7	* 52 ± 4	* 32 ± 2.9	* 11.7 ± 1.9	* 33.6 ± 3.1	
Th ²³⁰ pci/l	2.5 ± 0.8	* 7.2 ± 1.6	* 9.5 ± 0.6	* 17.1 ± 2.6	* 14.3 ± 2.4		
Gross A "	NA	NA	NA	NA	NA	NA	
Gross B "	NA	NA	NA	NA	NA	NA	

* ANALYZED BY OUTSIDE LABORATORY

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