

TABLE 1
RENO CREEK
GROUNDWATER SAMPLING-FOURTH QUARTER, 1983
PATTERN 1

	Sample Date	pH	TDS mg/l	Calcium mg/l	Sulfate mg/l	U ₃ O ₈ mg/l
M-1	CL*	6.5	2858	286	1606	1.102
	10/3/83	7.6	1225	90	742	0.028
	11/1/83	7.8	1200	94	698	0.049
M-2	CL*	6.5	2744	278	1644	1.027
	10/1/83	7.8	1275	91	776	0.027
	11/1/83	7.9	1270	102	679	0.014
M-3	CL*	6.5	3104	286	1657	1.750
	10/1/83	7.9	1325	98	838	0.196
	11/1/83	9.2	1380	110	781	0.226
M-4	CL*	6.5	3096	304	1783	1.550
	10/1/83	8.3	1475	104	900	1.500
	11/1/83	7.9	1470	119	901	1.330
LSM-1	CL*	6.5	994	207	137	1.022
	10/3/83	10.9	325	12	12	0.035
	11/1/83	11.8	430	57	9	0.028
USM-1	CL*	6.5	987	32	137	1.029
	10/3/83	7.1	425	39	4	<0.001
	11/1/83	7.1	400	38	3	<0.001
P-1	CL*	3.8	2771	267	1673	5.00
	10/3/83	5.5	2350	225	1542	1.014
	11/1/83	5.7	2320	240	1636	0.466
P-2	CL*	3.8	2771	267	1673	5.00
	10/3/83	5.2	2525	246	1733	0.661
	11/1/83	6.1	2610	260	1466	0.066

CL* - Stabilization Control Limits

Note - Samples were not taken in December due to blizzard conditions.

TABLE 2

Reno Creek Reservoir
Fourth Quarter, 1983 Analysis

pH	5.6
Conductivity	29000
Bicarbonate	3.5
Chloride	917
Sulfate	19796
Sodium	1970
Potassium	172
Calcium	451
Magnesium	405
TDS	26000
Iron	0.33
Vanadium	0.003
Uranium (U_3O_8)	0.822
Radium-226	233

Units expressed in mg/l except pH (standard units),
conductivity (μ mhos/cm), and Radium 226 (pci/l)

TABLE 3

RENO CREEK

RADON GAS - FOURTH QUARTER, 1983

<u>Site</u>	<u>OCT.</u>	<u>NOV.</u>	<u>DEC.</u>
Upwind Boundary #8*	3.42 \pm 1.07	3.27 \pm 1.07	2.57 \pm 0.93
Downwind Boundary #10*	3.25 \pm 1.07	3.70 \pm 1.15	0.00 \pm 0.82
Plant Building (Inside)**	3.04 \pm 1.05	4.47 \pm 1.16	0.00 \pm 0.81

* 10 CFR 20 Limit (unrestricted area) 3.0×10^{-9} $\mu\text{Ci/ml}$

** 10 CFR 20 Limit (restricted area) 3.0×10^{-8} $\mu\text{Ci/ml}$

All values reported in $\mu\text{Ci/ml} \times 10^{-9}$

TABLE 5
AREA DOSIMETRY
RENO CREEK
FOURTH QUARTER, 1983

<u>SITE</u>	<u>MREM/QUARTER</u>
Control	30.10
Upwind Boundary (#8)	29.83
Downwind Boundary (#10)	27.34
Pattern 1	36.01
Pattern 2	20.11
Office	23.79
Lab	20.11
Sump	19.45
Plant Building	23.00

* Dosimetry service performed by Eberline Instrument Corp.
Badges are exchanged quarterly.