

FEDERAL-AMERICAN PARTNERS

Telephone 856-9253
Gas Hills Star Route
RIVERTON, WYOMING 82501

PDR
40-4492

August 30, 1979

U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76012



Gentlemen:

In compliance with Title 10 CFR 40.65, we herewith submit our report to you for the six months period covering January 1, 1979 to July 1, 1979.

The evidence of seepage as shown on the attached tables is totally confined in the restricted area of No. 1 Pond.

Air sampling data submitted is not complete due to the time lag from our consulting laboratory.

Sincerely,

F. D. Jackson
Director of Safety & Personnel (RSO)

- cc: (2) Director - MIPC, Nuclear Regulatory Commission
Washington, D.C. 20000
- (2) Director - Inspection and Enforcement
Nuclear Regulatory Commission
Washington, D.C. 20000
- (2) Chief - Fuel Processing and Fabrication Branch
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

FDJ/mj

FEE EXEMPT

add 12 info

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POOR ORIGINAL

WATER QUALITY DATA

DATE: February 20, 1979

WELL NAME	DEPTH OF WATER	PH	$\mu\text{Ci}/\text{ml} \times 10^{-3}$ U	$\mu\text{Ci}/\text{ml} \times 10^{-6}$ No. 226	$\mu\text{Ci}/\text{ml} \times 10^{-8}$ Th 230	$\mu\text{Ci}/\text{ml} \times 10^{-7}$ Po 210	mg/l Fe	mg/l Mn	mg/l Cl	mg/l Br	mg/l N	mg/l Mn	mg/l As	mg/l Pb
M-1	40'	4.07	0.39	10.2	0.66	1.59	0.02	0.052	376	3530	20.9	30.7	0.014	0.044
M-2	47' 10"	2.73	0.94	0.52	8.14	0.32		NO RESULTS						
M-3	17' 8"	5.37	0.37	8.06	0.38	0.94	< 0.02	0.066	219	1720	160	3.93	0.011	0.018
M-4	15'	4.15	1.86	7.61	1.12	5.12	76.0	0.062	315	5947	54.8	97.5	0.020	0.032
R-1	40' 6"	4.77	0.13	2.00	0.04	0.05	< 0.02	0.051	121	2318	7.1	15.5	0.012	0.016
R-2	30' 6"	4.12	0.05	0.80	0.47	0.11	0.20	0.028	345	5606	4.0	32.5	0.021	0.055
R-3	20'	1.82	0.80	0.82	21.3	0.07	840	0.380	373	11361	17.6	36.2	0.195	0.120
R-4	25'	2.58	1.50	0.26	5.74	0.04	55.0	0.088	381	7878	9.0	73.8	0.101	0.054
R-5	21' 6"	2.92	1.81	0.33	6.11	0.08	79.0	0.212	414	9712	7.4	54.2	0.228	0.103
R-6	14' 2"	3.78	0.65	0.61	0.46	0.08	96.0	0.087	342	8209	18.2	85.0	0.126	0.052
TPI-1	10'	4.30	0.01	2.40	0.07	0.11	< 0.02	0.039	16.0	958	0.16	1.76	0.008	0.013
TPI-10	43' 1"	5.30	0.15	1.19	0.22	3.81	< 0.02	0.111	330	2033	104	4.22	0.017	0.019
TPI-20	61' 2"	5.80	0.13	5.44	0.23	0.59	< 0.02	0.073	166	1773	14.6	40.02	0.014	0.019
TPI-22	80'	6.03	0.01	4.71	0.06	0.28	< 0.02	0.031	371	4.8	1.1	0.15	0.004	0.014
TPI-24	94"	3.84	0.41	19.5	0.21	2.19	< 0.02	0.054	270	2303	5.3	4.95	0.019	0.048
TP2-1	40' 4"	5.68	0.26	9.70	0.42	5.26	< 0.02	0.042	137	1819	12.8	0.04	0.013	0.015
TP2-2	30'	5.68	0.03	9.69	0.11	0.98	< 0.02	0.048	58.5	1248	3.6	0.49	0.009	0.012
TPI-D1	100' 9"	5.47	0.24	13.0	0.03	0.07	< 0.02	0.034	146	953	4.6	1.75	0.008	0.013
TPI-D2	52'	5.90	0.01	18.0	0.09	0.09	< 0.02	0.017	13.2	561	2.3	0.10	0.005	0.007
WELL #6	0	6.52	0.06	13.4	0.00	0.43	< 0.02	0.179	14.6	682	0.11	0.02	0.005	0.009
WELL #13	BROKEN													
WELL #16	0	5.68	0.01	0.62	0.00	< 0.02	< 0.02	0.276	11.1	496	2.57	0.02	0.006	0.008
TAILING POND #1	0'	1.24	0.49	66.6	24.2	34.2	870	1.53	412	10100	13.5	15.9	2.33	0.089
TAILING POND #2	0	1.72	0.53	103	27.8	55.0	1210	2.18	400	13166	22.9	24.7	4.71	0.142
MILLOW SPRINGS	0		FROZEN											

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DATE: February 28, 1979

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POOR ORIGINAL

FEDERAL AMERICAN PARTNERS

DATE: 3-13-79

WATER QUALITY DATA

WELL	DEPTH OF WELL	PH	$\mu\text{Ci}/\text{m} \times 10^{-6}$ U	$\mu\text{Ci}/\text{m} \times 10^{-6}$ No 226	$\mu\text{Ci}/\text{m} \times 10^{-6}$ Th 230	$\mu\text{Ci}/\text{m} \times 10^{-6}$ Po 210	mg/l Fe	mg/l Mn	mg/l Ni	mg/l Cu	mg/l Zn	mg/l Cd	mg/l Pb	mg/l As	mg/l Hg	mg/l TOC
-F1	260'	5.98	0.03	5.96	0.00	0.17	< 0.02	0.026	11.8	909	< 0.02	< 0.03	.010	1456		
-F4	180'	6.06	0.03	2.66	0.03	0.14	< 0.02	.020	12.5	915	< 0.02	.004	.012	1454		
-F5	Destroyed															
-F6	Destroyed															
-F7	204'	6.19	0.01	14.5	0.05	0.79	< 0.02	.012	12.5	472	< 0.02	.003	.008	850		
-F9	10'	6.04	0.33	3.52	0.02	0.04	< 0.02	.048	25.1	1808	< 0.02	.004	.01	2902		
-F10	175'	5.98	0.44	9.67	0.01	0.87	< 0.02	.005	27.2	268	< 0.02	< 0.03	.012	718		
-F12A	Artesian 0'	FROZEN														
-F13	Artesian 0'	5.74	0.07	34.5	0.21	0.05	< 0.02	.014	11.1	.009	< 0.02	.003	.009	1590		
-F14	Artesian 0'	6.62	0.05	1.25	0.01	0.02	< 0.02	< 0.005	10.4	925	< 0.02	.016	.010	1568		
-F15	Artesian 0'	6.45	0.02	1.50	0.02	0.03	< 0.02	< 0.005	9.1	892	< 0.02	.014	.011	1530		
-F1	129'	6.46	0.06	8.97	0.14	0.48	< 0.02	.023	158	1498	< 0.02	.012	.011	2662		
-F2	133'	6.51	0.01	4.94	0.06	0.38	< 0.02	.198	32.0	693	< 0.02	.004	.012	1360		
-F3	106'	6.30	0.14	9.68	0.01	0.28	< 0.02	.011	48.0	924	< 0.02	.007	.012	1658		
-F4	97'	5.92	0.26	57.1	0.18	0.31	1.26	.032	20.2	1663	6.6	.015	.014	2692		
-F5	237'	5.46	0.23	31.7	0.32	0.46	< 0.02	.039	189	1910	1.41	.014	.010	3314		
-F6	7'	6.13	0.72	8.72	0.05	0.46	< 0.02	.040	38.3	1666	< 0.02	.015	.011	2670		
-F7	DRY															
-F8	Destroyed															

POOR ORIGINAL

WATER QUALITY DATA

DATE: 3-21-69

WELL	DEPTH OF WATER	PH	uCl/m $\times 10^{-3}$ U	uCl/m $\times 10^{-3}$ No 226	uCl/m $\times 10^{-6}$ Tr 230	uCl/m $\times 10^{-7}$ Pb 210	mg/l Fe	mg/l Mn	mg/l Cl	mg/l SO ₄	mg/l N	mg/l Mn	mg/l As	mg/l Pb	
-1	44'	4.32	0.51	3.80	0.19	0.74	< 0.02	0.028	375	3791	19.9	36.4	.015	.022	631
-2	18'	5.90	0.11	1.39	.015	0.07	< 0.02	.024	169	1877	15.3	.03	.016	.015	3368
-3	19'	5.56	0.28	7.75	0.33	0.79	< 0.02	.034	221	1939	248	12.5	.021	.016	4414
-4	15'	4.16	1.69	8.75	0.86	3.54	.40	.023	319	6406	62.8	110	.020	.023	9920
-1	37' 6"	4.01	0.41	5.38	0.13	0.01	.22	.022	351	3731	20.0	44.3	.018	.020	6864
-2	38' 6"	4.14	0.06	0.36	0.69	0.02	< 0.02	.008	477	5151	9.9	29.7	.019	.022	8126
-3	30' 7"	1.82	0.86	1.30	19.2	0.00	860	.268	359	11447	11.7	37.9	.311	.110	16806
-4	25'	2.45	1.11	0.07	5.99	0.07	79.0	.125	372	7147	9.1	57.6	.074	.108	10748
-5	22'	2.45	1.77	0.10	6.28	0.09	90.0	.127	412	9871	7.4	54.2	.275	.152	14550
-6	17'	3.70	0.46	0.62	0.16	0.03	54.0	.071	340	7191	21.3	76.2	.070	.089	10750
1-1	10'	5.16	0.02	0.84	0.16	0.11	< 0.02	.005	13.9	932	.12	.50	.004	.011	1506
1-10	45' 6"	5.14	0.14	13.1	0.23	3.86	< 0.02	.078	303	1949	52.1	3.30	.018	.015	3846
1-20	64'	5.98	0.11	5.12	6.40	0.67	< 0.02	.024	176	1338	3.04	< .02	.012	.012	2428
1-22	Caved In	6.04													
1-24	34'	3.48	0.27	11.6	0.19	0.23	.20	.026	311	2537	6.4	3.89	.023	.019	4445
2-1	46'	5.88	0.07	9.07	0.08	0.00	< 0.02	.018	143	1699	24.3	< 0.02	.008	.011	3028
2-2	39'	5.96	0.02	6.56	0.07	0.68	< 0.02	.051	59.9	1171	1.05	.08	.006	.010	2058
1-D1	116'	5.24	0.19	10.1	0.10	0.06	< 0.02	.037	182	2196	7.25	1.43	.012	.010	3756
1-D2	55'	6.12	0.01	0.79	0.20	0.12	< 0.02	.007	11.1	537	.93	.05	< .003	.007	930
LL #6	0'	6.76	0.08	6.64	0.01	0.05	< 0.02	.366	12.5	695	0.14	< 0.02	.004	.006	1128
LL #13	0'	5.86	0.07	0.71	0.0	0.17	< 0.02	.018	11.1	417	0.66	< 0.02	.004	.005	724
LL #16	0'	6.42	0.01	0.68	0.01	0.02	< 0.02	.429	13.9	510	3.03	< 0.02	.006	.007	960
LONG #1	0'	1.50	0.41	34.6	25.8	24.4	700	.343	291	8539	14.6	18.4	1.70	.076	12026
LONG #2	0'	1.30	0.38	68.6		25.2	720	.346	332	10214	13.1	25.5	2.01	.081	14106
LOW #1	0'	5.98	0.03	0.57	0.10	0.04	< 0.02	.008	48.8	1113	11.5	< 0.02	.005	.009	1924

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POOR ORIGINAL

WATER QUALITY DATA DATE: May 79

WELL NAME	DEPTH OF WATER	PH	CO ₂ /m x 10 ⁻¹¹ U	CO ₂ /m x 10 ⁻⁶ NO 228	CO ₂ /m x 10 ⁻⁶ TH 230	CO ₂ /m x 10 ⁻⁷ Pb 20	mg/l Fe	mg/l Mn	mg/l Cu	mg/l SiO ₂	mg/l N	mg/l Mn	mg/l As	mg/l Pb	mg/l Cd
W-1	40'	4.01													
W-2	48'	2.55													
W-3	25' 2"	5.58													
W-4	14'	4.05													
W-1	NO SAMPLE														
W-2	NO SAMPLE														
W-3	NO SAMPLE														
W-4	NO SAMPLE														
W-5	NO SAMPLE														
W-6	NO SAMPLE														
W-1	7' 6"	4.80													
W-10	38' 1"	5.00													
W-20	62' 4"	5.60 1 Quart													
W-22	Destroyed														
W-24	3' 5"	3.46													
W-1	41' 3"	5.92													
W-2	38' 2"	5.97													
W-DL	141'	DRY													
W-D2	57' 6"	5.98													
ELL #6	12' 8"	6.12													
ELL #13	60' 8"	5.50													
ELL #16	160'	5.58													
W-1	0	1.59													
W-2	0	1.73													
W-1	0	6.55													

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POOR ORIGINAL

DATE: June /9

WATER QUALITY DATA

WELL	DEPTH OF WATER	PH	uCi/ml $\times 10^{-3}$ U	uCi/ml $\times 10^{-3}$ No. 228	uCi/ml $\times 10^{-3}$ Th 230	uCi/ml $\times 10^{-3}$ Pb 210	mg/l Fe	mg/l Mn	mg/l Cl	mg/l SO ₄	mg/l N	mg/l Mn	mg/l Al	mg/l Pb
1	39' 9"	4.39												
2	48'	2.72												
3	25'	5.69												
4	13' 10"	3.63												
1	NO SAMPLE													
2	NO SAMPLE													
3	NO SAMPLE													
4	NO SAMPLE													
5	NO SAMPLE													
6	NO SAMPLE													
1-1	7' 6"	5.23												
1-10	38'	6.20												
1-20	62'	6.09												
1-22	Irrigation Water													
1-24	3' 5"	3.94												
2-1	41'	5.88												
2-2	38'	5.93												
1-D1	DRY													
1-D2	57'	5.73												
LL #6	12' 6"	5.75												
LL #13	60' 4"	6.27												
LL #16	160' 2"	6.10												
LL #1	0	1.72												
LL #2	0	1.56												
LL #2	0	6.52												

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FEDERAL-AMERICAN PARTNERS
RADIATION SAMPLING PROGRAM

THE MONTH OF June 1979

ELEMENT	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
<u>PARTICULATES</u>	. 7935 . 6675 TARE GRAMS . 1278 $\frac{.1278}{50 \times 41760} = .000000061$. 061 $\mu\text{g/L}$	. 7605 . 6676 TARE GRAMS . 0929 $\frac{.0929}{50 \times 41760} = .000000044$. 044 $\mu\text{g/L}$	. 7013 . 6685 TARE GRAMS . 0328 $\frac{.0328}{50 \times 41760} = .000000016$. 016 $\mu\text{g/L}$	. 8847 . 6658 TARE GRAMS . 2189 $\frac{.2189}{50 \times 41760} = .000000105$. 105 $\mu\text{g/L}$	. 7446 . 6659 TARE GRAMS . 0787 $\frac{.0787}{50 \times 41760} = .000000038$. 038 $\mu\text{g/L}$
Ra 226	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$
Th 230	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$
Pb 210	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$
U	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$
RADON	5.65 pCi/l	8.09 pCi/l	5.71 pCi/l	21.62 pCi/l	5.67 pCi/l

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FEDERAL-AMERICAN PARTNERS
RADIATION SAMPLING PROGRAM

THE MONTH OF May 1979

ELEMENT	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
<u>PARTICULATES</u>	.3157 - .2731 TARE .0426 GRAMS	.2772 - .2558 TARE .0214 GRAMS	.2838 - .2713 TARE .1025 GRAMS	.2885 - .2690 TARE .0195 GRAMS	.2866 - .2656 TARE .0210 GRAMS
	.0426 .000000039 50 x 21,600	.0214 .00000002 50 x 21,600	.0125 .000000012 50 x 21,600	.0195 .000000018 50 x 21,600	.0210 .000000019 50 x 21,600
	.039 $\mu\text{g/L}$	.02 $\mu\text{g/L}$	.012 $\mu\text{g/L}$	.018 $\mu\text{g/L}$	.019 $\mu\text{g/L}$
Ra 226	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$
Th 230	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$
Pb 210	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$
U	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$
RADON	pCi / l	pCi / l	pCi / l	pCi / l	pCi / l

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POOR ORIGINAL

FEDERAL-AMERICAN PARTNERS RADIATION SAMPLING PROGRAM -

THE WEEK OF 4-17-79

ELEMENT	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
<u>PARTICULATES</u>	$\frac{.1639}{.1363} - \text{TARE GRAMS}$ $\frac{.0276}{.0276} = \frac{.000000055}{50 \times 10080}$ $.055 \text{ } \mu\text{g/L}$	$\frac{.1465}{.1370} - \text{TARE GRAMS}$ $\frac{.0095}{.0095} = \frac{.000000019}{50 \times 10080}$ $.019 \text{ } \mu\text{g/L}$	$\frac{.1392}{.1329} - \text{TARE GRAMS}$ $\frac{.0063}{.0063} = \frac{.000000013}{50 \times 10080}$ $.013 \text{ } \mu\text{g/L}$	$\frac{.1510}{.1345} - \text{TARE GRAMS}$ $\frac{.0165}{.0165} = \frac{.000000032}{50 \times 10080}$ $.033 \text{ } \mu\text{g/L}$	$\frac{.1653}{.1327} - \text{TARE GRAMS}$ $\frac{.0326}{.0326} = \frac{.000000021}{50 \times 10080}$ $.055 \text{ } \mu\text{g/L}$
Ra 226	Samples were accidentally destroyed. Samples were not placed into the proper envelopes, and were accidentally thrown away. JRL				
Th 230	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$
Pb 210	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$
U	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$
RADON	4.39 pCi/ml	1.77 pCi/ml	1.61 pCi/ml	1.1 pCi/ml	1.01 pCi/ml

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FEDERAL-AMERICAN PARTNERS
RADIATION SAMPLING PROGRAM -

THE WEEK OF 3-20-79

ELEMENT	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
<u>PARTICULATES</u>	$\frac{.1426}{.1339} - \text{TARE GRAMS}$ $.0087$ $\frac{.0087}{50 \times 10080} = .000000017$ $.017 \text{ } \mu\text{g/L}$	$\frac{.1410}{.1336} - \text{TARE GRAMS}$ $.0074$ $\frac{.0074}{50 \times 10080} = .000000015$ $.015 \text{ } \mu\text{g/L}$	$\frac{.1366}{.1339} - \text{TARE GRAMS}$ $.0027$ $\frac{.0027}{50 \times 10080} = .000000005$ $.005 \text{ } \mu\text{g/L}$	$\frac{.1464}{.1357} - \text{TARE GRAMS}$ $.0107$ $\frac{.0107}{50 \times 10080} = .000000021$ $.021 \text{ } \mu\text{g/L}$	$\frac{.1411}{.1345} - \text{TARE GRAMS}$ $.0066$ $\frac{.0066}{50 \times 10080} = .000000013$ $.013 \text{ } \mu\text{g/L}$
Ra 226	.01 $\mu\text{Ci/ml} \times 10^{-12}$	.00 $\mu\text{Ci/ml} \times 10^{-12}$	.01 $\mu\text{Ci/ml} \times 10^{-12}$	.00 $\mu\text{Ci/ml} \times 10^{-12}$	.01 $\mu\text{Ci/ml} \times 10^{-12}$
Th 230	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$
Pb 210	.05 $\mu\text{Ci/ml} \times 10^{-12}$	.01 $\mu\text{Ci/ml} \times 10^{-12}$	.03 $\mu\text{Ci/ml} \times 10^{-12}$	.05 $\mu\text{Ci/ml} \times 10^{-12}$	.10 $\mu\text{Ci/ml} \times 10^{-12}$
U	0.01 $\mu\text{Ci/ml} \times 10^{-12}$	0.01 $\mu\text{Ci/ml} \times 10^{-12}$	0.01 $\mu\text{Ci/ml} \times 10^{-12}$	0.01 $\mu\text{Ci/ml} \times 10^{-12}$	0.01 $\mu\text{Ci/ml} \times 10^{-12}$
RADON	2.94 pCi/ml	2.31 pCi/ml	1.96 pCi/ml	1.82 pCi/ml	.19 pCi/ml

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FEDERAL-AMERICAN PARTNERS
RADIATION SAMPLING PROGRAM -

POOR ORIGINAL

THE WEEK OF 2-22-79

ELEMENT	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
PARTICULATES	$\begin{array}{r} .1420 \\ .1370 \\ \hline .0050 \end{array} \quad \begin{array}{l} \text{TARE} \\ \text{GRAMS} \end{array}$	NO SAMPLE NO POWER	$\begin{array}{r} .1326 \\ .1316 \\ \hline .0010 \end{array} \quad \begin{array}{l} \text{TARE} \\ \text{GRAMS} \end{array}$	$\begin{array}{r} .1412 \\ .1368 \\ \hline .0044 \end{array} \quad \begin{array}{l} \text{TARE} \\ \text{GRAMS} \end{array}$	$\begin{array}{r} .1356 \\ .1308 \\ \hline .0048 \end{array} \quad \begin{array}{l} \text{TARE} \\ \text{GRAMS} \end{array}$
	$\frac{0.00}{50 \times 10080} = .000000001$	$\frac{\quad}{50 \times 10080} = \quad$	$\frac{.0010}{50 \times 10080} = .000000002$	$\frac{.0044}{50 \times 10080} = .000000009$	$\frac{.0048}{50 \times 10080} = .000000001$
	$\frac{.01}{\quad} \mu\text{g/L}$	$\frac{\quad}{\quad} \mu\text{g/L}$	$\frac{.002}{\quad} \mu\text{g/L}$	$\frac{.009}{\quad} \mu\text{g/L}$	$\frac{.01}{\quad} \mu\text{g/L}$
Ra 226	$\frac{0.00}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{\quad}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{0.00}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{0.00}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{0.00}{\quad} \mu\text{Ci/ml} \times 10^{-12}$
Th 230	$\frac{6.3}{\quad} \mu\text{Ci/ml} \times 10^{-14}$	$\frac{\quad}{\quad} \mu\text{Ci/ml} \times 10^{-14}$	$\frac{2.6}{\quad} \mu\text{Ci/ml} \times 10^{-14}$	$\frac{6.6}{\quad} \mu\text{Ci/ml} \times 10^{-14}$	$\frac{0.8}{\quad} \mu\text{Ci/ml} \times 10^{-14}$
Pb 210	$\frac{0.01}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{\quad}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{0.01}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{0.01}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{0.01}{\quad} \mu\text{Ci/ml} \times 10^{-12}$
U	$\frac{0.01}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{\quad}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{0.01}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{0.03}{\quad} \mu\text{Ci/ml} \times 10^{-12}$	$\frac{1}{\quad} \mu\text{Ci/ml} \times 10^{-12}$
RADON	$\frac{6.52}{\quad} \text{pCi/ml}$	$\frac{3.98}{\quad} \text{pCi/ml}$	$\frac{3.43}{\quad} \text{pCi/ml}$	$\frac{2.44}{\quad} \text{pCi/ml}$	$\frac{1.81}{\quad} \text{pCi/ml}$

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FEDERAL-AMERICAN PARTNERS
RADIATION SAMPLING PROGRAM -

THE WEEK OF 1-23-79

POOR ORIGINAL

ELEMENT	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
PARTICULATES	.1410 .1341 .0069 TARE GRAMS	NO SAMPLE NO POWER TARE GRAMS	.1375 .1355 .0020 TARE GRAMS	.1366 .1308 .0058 TARE GRAMS	.1366 .1326 .0040 TARE GRAMS
	$\frac{.0069}{50 \times 10080} = .000000014$	$\frac{\quad}{50 \times 10080} = \quad$	$\frac{.0020}{50 \times 10080} = .000000004$	$\frac{.0058}{50 \times 10080} = .000000012$	$\frac{.0040}{50 \times 10080} = .000000008$
	.014 $\mu\text{g/L}$	$\mu\text{g/L}$	.004 $\mu\text{g/L}$	.012 $\mu\text{g/L}$	.008 $\mu\text{g/L}$
Ra 226	0.00 $\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	0.00 $\mu\text{Ci/ml} \times 10^{-12}$	0.00 $\mu\text{Ci/ml} \times 10^{-12}$	0.00 $\mu\text{Ci/ml} \times 10^{-12}$
Th 230	0.9 $\mu\text{Ci/ml} \times 10^{-14}$	$\mu\text{Ci/ml} \times 10^{-14}$	1.6 $\mu\text{Ci/ml} \times 10^{-14}$	0.2 $\mu\text{Ci/ml} \times 10^{-14}$	7.2 $\mu\text{Ci/ml} \times 10^{-14}$
Pb 210	0.03 $\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	0.02 $\mu\text{Ci/ml} \times 10^{-12}$	0.06 $\mu\text{Ci/ml} \times 10^{-12}$	0.02 $\mu\text{Ci/ml} \times 10^{-12}$
U	0.01 $\mu\text{Ci/ml} \times 10^{-12}$	$\mu\text{Ci/ml} \times 10^{-12}$	0.01 $\mu\text{Ci/ml} \times 10^{-12}$	0.01 $\mu\text{Ci/ml} \times 10^{-12}$	0.01 $\mu\text{Ci/ml} \times 10^{-12}$
RADON	4.26 pCi/ml	pCi/ml	3.59 pCi/ml	2.65 pCi/ml	2.49 pCi/ml

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