

LAW OFFICES
EDWARD J. McGRATH
14TH FLOOR
51 MONROE STREET
ROCKVILLE, MARYLAND 20850
(301) 340-0600

March 5, 1979

PDR

m-b

Mr. Albert J. Hazle, Director
Radiation and Hazardous Wastes
Control Division
Colorado Department of Health
4210 East 11th Avenue
Denver, Colorado 80220

Re: Canon City Mill Expansion
Project
Cotter Corporation

Dear Mr. Hazle:

In connection with current environmental monitoring at the Canon City milling facility, we enclose three (3) copies each of the following:

- a) Analyses of water samples from wells involved in the ongoing seepage monitoring and control program for the months of September, October and November, 1978.
- b) Copy of a letter dated February 19, 1979 to the undersigned from Robert Maixner, Plant Radiation Protection Officer, stating the results of radon sampling in 1977 and 1978, together with two (2) maps, one of the mill site and the other of Canon City, Colorado, identifying sampling locations. In the case of the Canon City map, the sampling locations are identified by a black oval or circle and the street address. In the case of the map of the mill site, the locations are indicated by a black circle or oval, below which appears the sample dates and results.

As you know we are developing a comprehensive format for reporting in connection with current revisions to the monitoring program. The data included herewith will, in the future, be set forth in the new reporting system.

Sincerely yours,

Edward J. McGrath

SEE EXHIBIT

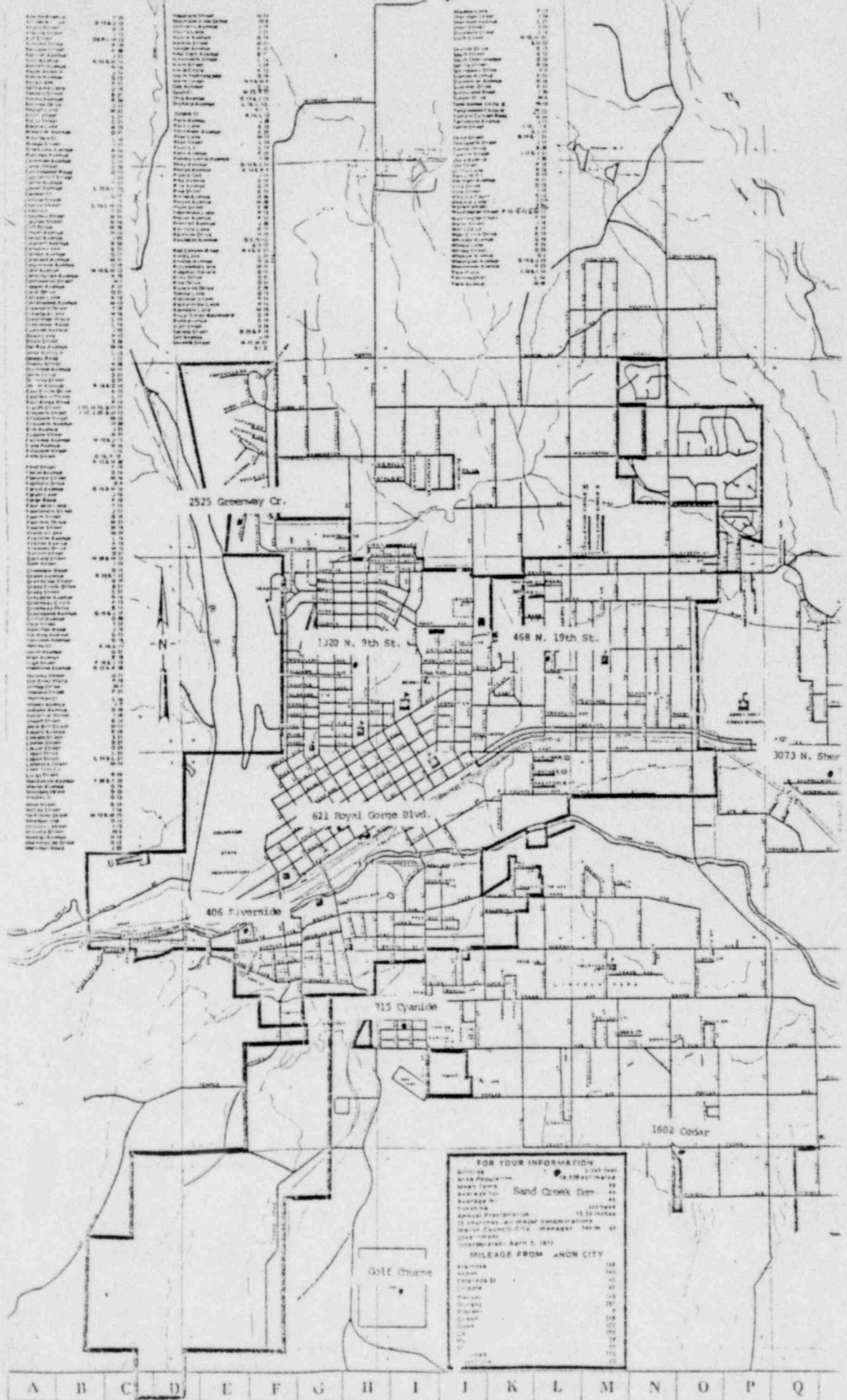
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cc: F. Lomax
J. Rothfleisch ✓

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October Water Sample Results

SAMPLE LOCATION	Nat. U mg/l	Mo mg/l	²²⁶ Ra pCi/l	Gross α pCi/l	Gross B pCi/l	As mg/l	Pb mg/l	Se mg/l	So ₄ mg/l	Cl ppm	Specific Conductivity Micromhos
OW 1C	76	425	3.7	32200	41300	<.01	0.43	0.007	29070	755	40000
OW 4C	14.0	43	1.1	5600	8000	<.01	<.05	0.002	8360	2110	17000
OW 5C	14.0	47	1.1	8600	10200	<.01	<.05	0.008	8050	732	26000
OW 6B	6.0	5.0	0.2	3000	3300	<.01	<.05	0.006	2260	514	12000
C-3 reservoir	9.0	22	3.3	4600	4800	<.01	<.05	0.017	5530	711	16000
Bosco field well	3.0	9.0	0.0	880	1440	<.01	<.05	0.003	2320	310	11000
Garcia well	0.5	nil	0.1	13	66	<.01	<.05	0.001	21	34	5000
Merlino well	0.9	0.7	0.0	76	140	<.01	<.05	0.001	99	40	18000
Ransom well	0.9	1.0	0.3	87	120	<.01	<.05	0.005	25	43	5400
Salardino well	0.6	nil	2.7	8.0	52	<.01	<.05	0.001	247	68	16000
Wolfpark mine	44	134	2.8	29200	26300	<.01	0.24	0.028	19390	1800	30000
OW 7	7	17	0.3	3300	3500	0.02	<.05	0.005	1510	520	8000

SAMPLE LOCATION	Nat U mg/l	Mo mg/l	²²⁶ Ra pCi/l	Gross α pCi/l	Gross B pCi/l	As mg/l	Pb mg/l	Se mg/l	So ₄ mg/l	Cl ppm	Specific Conductivity Micromhos
OW 1C	70	303	2.4	36,000	43,000	<.01	0.46	0.031	29,260	702	64,000
OW 4C	14	63	1.2	8,500	9,400	<.01	0.20	0.015	8,800	1,400	23,000
OW 5C	13	49	0.3	9,500	8,400	<.01	0.14	0.030	8,180	645	25,000
OW 6B	7	6	0.7	3,100	3,700	<.01	<.05	0.017	2,310	486	13,000
C-3 reservoir	9	22	1.7	4,600	5,200	<.01	0.06	0.059	5,020	598	26,000
Bosco field well	3	12	0.4	1,130	1,480	<.01	<.05	0.017	2,320	221	26,000
Garcia well	0.09	0.2	0.1	27	14	<.01	<.05	0.010	20	32	19,000
Merlino well	0.3	2.0	0.3	80	73	<.01	<.05	0.010	97	43	18,000
Ransom well	0.3	1.0	0.2	160	120	<.01	<.05	0.019	24	42	5,200
Salardino well	0.09	0.1	1.6	5.3	17	<.01	<.05	0.010	256	53	14,000
Wolfpark mine	unable to obtain sample because of pump malfunction										
G-1 spring	9	11	0.0	2,200	3,600	<.01	<.05	0.015	3,380	395	30,000

September Water Sample Results

SAMPLE LOCATION	Nat. U mg/l	Mo mg/l	²²⁶ Ra pCi/l	Gross A pCi/l	Gross B pCi/l	As mg/l	Pb mg/l	Se mg/l	So ₄ mg/l	Cl ppm	Specific Conductivity Micromhos
OW 1C	66	402	1.5	42400	36500	<.01	0.26	0.011	30950	700	60000
OW 4C	5	28	0.2	2500	2940	0.02	0.17	0.011	8560	2130	55000
OW 5C	14	32	0.4	8500	8090	<.01	0.13	0.011	8860	605	25000
OW 6B	6	5	0.0	3180	2900	<.01	0.11	0.007	2010	410	7000
C-3 reservoir	9	24	3.5	5400	3480	<.01	0.07	0.028	5230	520	12500
Bosco field well	3	9	0.1	1020	1140	<.01	0.05	0.011	1950	190	8000
Garcia well	0.3	0.2	0.0	11	29	<.01	<.01	0.005	25	15	10000
Merlino well	0.8	0.6	0.1	65	109	<.01	0.02	0.005	25	10	7000
Ransom well	0.5	0.8	0.0	130	116	<.01	0.01	0.003	12	15	10000
Salardino well	0.4	nil	1.8	8.3	33	<.01	<.01	0.007	37	40	7000
Wolfpark mine	61	185	4.4	40000	22800	<.01	1.0	4.0	28620	600	6000



Cotter Corporation

POST OFFICE BOX 751
CANON CITY, COLORADO 81212
303 - 275-7413

February 19, 1979

Mr. Edward J. McGrath
Law Offices
51 Monroe Street, 14th Floor
Rockville, Maryland 20850

Dear Ed:

We collected radon samples in 1977 and 1978 on Cotter Mill property, at the Shadow Hills golf course, and at various locations in Canon City. All samples were collected with an Environmental Measurements, Inc. 48-hour continuous sampler. Analyses were performed by Hazleton Environmental Sciences. A Canon City map is attached with sampling locations marked with red ink. A drawing is also attached of Cotter Mill property, showing sampling locations in red and the date and analytical result near the sample location.

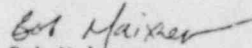
Analytical results of the Canon City samples and golf course samples are as follows:

Location	Collection Date	Activity pCi/M ³
Golf course	12-14-77	214
" "	7-10-78	225
1602 Cedar Ave.	12-13-77	211
" " "	9-17-78	279
" " "	9-19-78	218
468 North 19th St.	9-17-78	367
" " " "	9-19-78	231
621 Royal Gorge Blvd.	9-17-78	318
" " " "	9-19-78	200
406 Riverside Dr.	9-24-78	515
" " "	9-26-78	492
2525 Greenway Cr.	9-24-78	350
" " "	9-26-78	296
3073 N. Sherrelwood	9-24-78	557
" " "	9-26-78	609
1320 N. 9th St.	10-1-78	500
" " "	10-3-78	432

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Location	Collection Date	Activity pCi/M ³
715 Cyanide St.	10-1-78	373
" " "	10-3-78	420
Sand Creek Dam	10-1-78	576
" " "	10-3-78	625

Sincerely,


Bob Maixner

/

RM/dd

Attachments