



COTTER CORPORATION

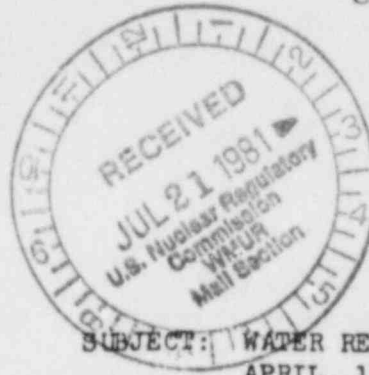
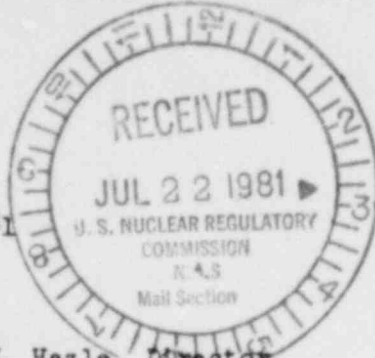
CANON CITY OPERATIONS

0502 FREMONT COUNTY ROAD 68
CANON CITY, COLORADO 81212

WM-22
POR

*Return to
D. Cramer
396-55*

July 14, 1981



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

SUBJECT: WATER REPORT FOR
APRIL, 1981
FILE NO: 1011K8610-50-5

Dear Mr. Hazle:

Attached is the Water Report for April, 1981 (4-81). Please note that during the month of April, well nos. 138, 119, 118, 120 and 144 were too low to sample. Also, well #339 was blocked so we were unable to sample this well.

Should you have any questions regarding this report, please contact me.

Sincerely,

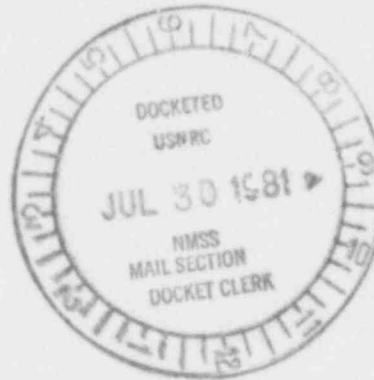
COTTER CORPORATION

Jim Cain

Jim Cain
Radiation Safety Officer

JC:pd

cc: Mr. J. E. Rothfleisch
Attached list



FEE EXEMPT

10230

8108070264 810714
PDR WASTE
WM-22 PDR

original not Acid

Add'l Info

Cotter Corporation

WATER SAMPLE DISTRIBUTION LIST

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

Dr. Ray Cooperstein
10935 Deborah Drive
Potomac, Maryland 20854

Mr. Bob Shukle, Chief
Industrial Permits Unit
Water Quality Control Division
Colorado Department of Health
4210 East 11th Avenue
Denver, Colorado 80220

Mr. Ken Waesche, Engineering Geologist
Hazardous Wastes Control Section, Radiation &
Colorado Department of Health Hazardous Wastes
4210 East 11th Avenue Control Division
Denver, Colorado 80220

Mr. Rahe Junge, Engineering Geologist
Division of Geological Survey
715 Centennial Building
1313 Sherman Street
Denver, Colorado 80203

Mr. Dave Shelton, Director
Division of Mine Land Reclamation
423 Centennial Building
1313 Sherman Street
Denver, Colorado 80203

Mr. Roy Person
U.S.N.R.C.
Mail Stop 483-55
Washington, D.C. 20555

Mr. Monte Fryt
Laboratory Director
City of Colorado Springs Water Division
P.O. Box 1103 - Mail Drop 490
Colorado Springs, Colorado 80947

Dr. Roy Williams
University of Idaho
Moscow, Idaho 83843

Mr. Roy Canterbury, Chairman
Fremont County Commission
Fremont County Courthouse
Canon City, Colorado 81212

Mr. Forest Gifford
W. A. Wahler & Associates
1023 Corporation Way
Palo Alto, California 94303

Mr. John Reiss, Jr., General Manager
Wahler & Associates
Rocky Mountain Region
12477 West Cedar Drive, Suite 206
Lakewood, Colorado 80228

Mr. Edward J. McGrath
Holme, Roberts & Owen
1700 Broadway, Suite 1800
Denver, Colorado 80290

Mr. Tim Smith
Cotter Corporation
9305 West Alameda Parkway
Lakewood, Colorado 80226

Mr. Gary Shook, Librarian
Canon City Library
516 Macon Avenue
Canon City, Colorado 81212

Mr. Charles J. Finley
Environmental Programs Manager
Pueblo Regional Planning Commission
1 City Hall Place
Pueblo, Colorado 81003
543-6006

Mr. Peter W. Jones, Vice President
Anthony V. Colucci & Associates, Inc.
15305 Calle Enrique, Suite D
Morgan Hill, California 95037

Cotter Corporation

WATER DISTRIBUTION LIST - Page 2

Mr. Richard Gamewell, Radiation Control Section
Radiation and Hazardous Waste Control Division
Colorado Department of Health
4210 East 11th Avenue
Denver, Colorado 80220

Mr. Chuck Mattson, Radiation Control Section
Radiation and Hazardous Waste Control Division
Colorado Department of Health
4210 East 11th Avenue
Denver, Colorado 80220

Dr. Robert Arnott, Assistant Director, OHP
Colorado Department of Health
4210 East 11th Avenue
Denver, Colorado 80220

Mr. George Barrante, Public Affairs
Colorado Department of Health
4210 East 11th Avenue
Denver, Colorado 80220

Mr. Dennis Myers
Public Health Engineer
Pueblo Regional Office
Colorado Department of Health
100 South Main Street
Pueblo, Colorado 81003

Mr. Ross Scarano
U.S. N.R.C.
Uranium Recovery Licensing
Stop 483-55
7915 Eastern Avenue
Silver Springs, Maryland 20910

Mr. J. Giedt
U.S. EPA Region 8 Radiation Programs
Enforcement Branch
Mail Stop 8A-H-WM
860 Lincoln
Denver, Colorado 80295

Mr. John McGinn, City Administrator
City of Canon City
612 Royal Gorge Blvd.
Canon City, Colorado 81212

Mr. Eddie Orff, Executive Director
Upper Arkansas Area Council of Governments
Fremont County Courthouse
Canon City, Colorado 81212

Denver Public Library
Energy and Conservation Librarian
Denver, Colorado 80220

Executive Director
Colorado Open Space Council
2239 East Colfax Avenue
Denver, Colorado 80206

Canon City Citizens' Committee
c/o Mrs. Emily Tracy
612 No. 11th
Canon City, Colorado 81212

Mr. Tom Schultz
Wahler Associates
Rocky Mountain Region
12477 West Cedar Drive, Suite 206
Lakewood, Colorado 80228

Mr. Ken Weaver, Radiation Control Section
Radiation & Hazardous Waste Control Division
Colorado Department of Health
4210 East 11th Avenue
Denver, Colorado 80220

CERTIFICATE OF WATER ANALYSIS
 COTTER CORPORATION
 P.O. BOX 751
 CANON CITY, COLORADO 81212

LOC NO.	DATE	WATER DEPTH BELOW MP	TEMP. C	PH	UMHD CH2 COND.	MG/L						PCI/L					
						U	MO	V	SE	CL	SO4	CO3	TDS	RA226	TH230	PB210	P0210
0106	4/21	79.0	15.8	6.5	3160	0.05	0.03	<0.05	<0.005	56.5	1251	733	2621	0.6	0.0	7	0.0
0111	4/21	NA	18.6	6.4	1430	<0.05	<0.02	<0.05	<0.005	34.5	346	520	1112	1.5	0.0	1.2	0.0
0114	4/13	NA	18.1	6.5	492	<0.05	<0.02	<0.05	<0.005	10.5	45	328	432	0.3	0.0	0.0	0.2
0117	4/21	NA	15.9	7.1	856	0.10	0.43	<0.05	<0.005	20.5	232	268	687	0.2	0.0	2.0	0.2
0119	4/20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
0122	4/06	NA	18.0	6.5	250	0.18	0.82	<0.05	<0.005	14.5	119	301	5779	0.2	0.0	0.1	0.1
0123	4/06	NA	15.7	6.5	1230	0.21	0.81	0.05	0.011	60.5	365	281	2724	0.3	0.0	1.2	0.1
0124	4/06	NA	16.3	6.6	710	0.22	0.79	0.05	<0.005	13.0	89	310	8074	0.2	0.0	3.5	0.0
0129	4/18	NA	14.8	7.0	664	0.06	0.58	<0.05	<0.005	135	72	287	459	0.3	3.7	0.9	0.2
0135	4/18	37.1	14.3	7.1	4190	<0.05	0.05	<0.05	<0.005	121	2056	466	3681	0.8	0.0	0.0	0.1
0137	4/18	36.4	15.0	7.4	740	<0.05	0.05	<0.05	<0.005	29	91	278	507	0.2	1.7	8.3	0.1
0138	4/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
0138	4/20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
0139	4/06	48.9	22.4	6.7	692	1.16	8.91	<0.05	0.018	105	1507	247	2669	0.2	3.4	10	0.0
0139	4/20	44.2	13.8	7.3	3330	1.18	11.1	<0.05	0.016	116	1652	245	2976	0.5	5.2	16	0.1

COLLECTED BY

TOM MCDOWELL, JR.
 MARK CURREY
 DEAN HERRERA

REPORT NO. 04-81

ANALYSTS

MIKE KRAUTH, MIKE GOFF
 DENNIS HULSEY
 HAZEN RESEARCH

CERTIFICATE OF WATER ANALYSIS
 COTTER CORPORATION
 P.O. BOX 751
 CANON CITY, COLORADO 81212

LOC NO.	DATE	WATER DEPTH BELOW MP	TEMP. C	PH	UMHO CM2 COND.	MG/L										PCI/L	
						U	MO	V	SE	CL	SO4	CO3	TDS	RA226	TH230	PB210	PO210
0140	4/06	45	17.0	6.8	3410	1.20	8.70	<0.05	0.019	116.5	1512	305	3267	1.0	1.0	8.5	0.1
0140	4/20	45.9	13.9	7.2	3680	1.07	12.1	<0.05	0.012	122	1948	291	3438	0.3	2.0	11	0.0
0141	4/13	NA	16.7	7.2	1797	<0.05	0.14	<0.05	<0.005	49	427	620	1383	0.1	0.0	1.1	0.0
0142	4/13	NA	16.1	7.2	1080	0.25	2.22	<0.05	<0.005	30	324	256	783	0.2	0.0	1.8	0.3
0144	4/30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
0303	4/22	NA	15.8	7.1	7240	5.4	28.8	<0.05	0.060	215	3887	662	7051	0.8	4.2	47	0.1
0312	4/16	13.9	14.8	7.7	8820	7.1	21.66	<0.05	0.221	255	4994	461	8944	0.6	3.7	48	0.1
0313	4/16	14.4	14.6	7.1	9500	7.0	32.6	<0.05	0.158	235	5374	558	9491	0.5	0.0	1.9	0.0
0314	4/16	19.0	14.9	7.6	1258	<0.05	0.5	<0.05	<0.005	21.5	4527	194	902	0.0	17	57	0.1
0315	4/23	NA	15.3	9.8	975	<0.05	0.18	<0.05	<0.005	20.5	249	122	671	0.0	0.0	0.8	0.1
0316	4/23	NA	16.4	9.2	941	<0.05	0.05	<0.05	<0.005	24	215	96	670	0.1	0.0	0.3	0.0
0317	4/23	NA	16.8	9.9	4330	<0.05	0.16	<0.05	<0.005	21.5	2368	94	3650	1.8	0.0	1.4	0.2
0324	4/20	115.0	14.6	7.8	1057	<0.05	0.2	<0.05	<0.005	30.5	230	234	655	1.7	4.3	0.0	0.0
0325	4/24	23.5	18.7	6.5	2620	<0.05	0.04	<0.05	0.097	83	1241	203	2525	1.4	1.0	0.2	0.0
0327	4/29	NA	18.6	8.8	1463	0.17	0.88	<0.05	<0.005	44	461	50	1077	0.5	0.0	0.9	0.5

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CERTIFICATE OF WATER ANALYSIS
 COTTER CORPORATION
 P.O. BOX 751
 CANON CITY, COLORADO 81212

LOC NO.	DATE	WATER DEPTH BELOW MP	TEMP. C	PH	UMHD CM2 COND.	MG/L						RA226		PCI/L PB210			
						U	MD	V	SE	CL	SO4	CO3	TDS	TH230	P0210		
0328	4/23	NA	17.4	9.6	1135	<0.05	0.06	<0.05	<0.005	65	15	230	788	0.5	0.0	0.1	0.1
0329	4/21	20.0	15.4	6.6	2510	0.36	0.03	<0.05	0.025	155	1200	238	2325	1.3	0.0	25	0.0
0330	4/21	20.55	14.7	6.8	7630	4.9	21.2	<0.05	0.022	290	4624	505	8013	1.1	2.7	54	0.1
0331	4/21	25.35	17.0	7.0	7680	5.4	24.9	<0.05	0.034	300	4775	440	8352	0.5	5.7	50	0.2
0333	4/16	18.8	16.9	7.1	5890	5.7	16.5	<0.05	0.109	300	3088	432	5821	0.8	18	590	0.3
0334	4/16	11.1	17.5	7.4	1001	<0.05	0.11	<0.05	<0.005	23.5	286	283	735	0.6	0.0	0.9	0.1
0335	4/24	120.45	16.5	7.0	1828	<0.05	0.06	<0.05	<0.005	31	869	190	1508	0.8	0.0	1.8	0.0
0336	4/16	39.4	17.3	7.3	1740	0.06	0.03	<0.05	<0.005	71.5	720	221	1426	1.9	130	570	5.1
0337	4/16	36.8	21.8	6.8	2530	<0.05	0.02	<0.05	0.101	175	2015	133	3545	0.6	0.0	0.4	0.1
0338	4/16	31.9	18.4	7.2	2460	0.05	0.09	<0.05	0.054	68.5	1400	247	2518	0.1	0.0	0.0	0.0
0502	4/24	NA	17.0	7.4	232	<0.05	0.02	<0.05	<0.005	14	38	100	165	0.3	0.0	0.5	0.5
0504	4/24	NA	18.6	7.2	374	<0.05	0.02	<0.05	<0.005	15	86	128	280	0.5	0.0	1.3	0.5
0505	4/10	NA	25.7	8.1	4550	3.9	6.93	<0.05	0.074	235	2255	14	5978	0.7	0.5	21	0.7
0505	4/29	NA	35.2	7.7	4820	3.5	9.37	<0.05	0.054	260	2271	<0.1	4203	1.4	5.4	21	0.8
0519	4/10	NA	24.2	9.0	4580	<0.05	0.08	<0.05	<0.005	23.0	11	674	3471	0.4	0.0	0.0	0.3

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 CANON CITY, COLORADO 81212

LOC NO.	DATE	WATER DEPTH BELOW MP	TEMP. C	PH	UMHO CM2 COND.	MG/L								PCI/L			
						U	MO	V	SE	CL	SO4	CO3	TDS	RA226	TH230	PB210	PO210
0701	4/06	NA	17.3	7.0	24000	87	183	<0.5	0.153	1075	25180	2482	41252	0.9	80	30	8.6
0701	4/20	NA	13.7	6.9	31500	85	251.4	<0.5	0.306	1080	25233	2270	41784	0.1	1.7	96	0.0
0702	4/06	NA	14.2	8.1	38500	83	246	0.7	0.115	1005	30369	2640	48434	6.8	270	470	7.1
0702	4/20	NA	13.5	7.9	36700	76	256.5	<0.5	0.166	975	29212	2500	46667	6.7	100	370	7.1
0703	4/06	NA	16.7	7.2	27500	38.5	168	<0.5	0.211	735	19875	2240	33134	0.0	16	360	2.8
0703	4/20	NA	14.5	7.4	24400	37	204.8	<0.5	0.500	715	18382	2168	31463	0.7	29	280	1.3
0710	4/06	NA	16.7	6.5	7760	0.84	0.2	<0.5	1.020	1625	1955	349	7789	1.3	0.0	6.1	0.0
0710	4/22	NA	14.7	6.3	8060	0.80	0.18	<0.1	1.004	1600	1921	350	7541	0.1	1.4	4.6	0.0
0712	4/06	NA	15.9	6.7	8850	5.6	17.8	<0.5	0.739	720	3908	557	9315	0.1	3.7	42	0.1
0712	4/22	NA	14.7	6.5	8930	5.8	17.4	<0.1	0.817	765	3878	562	9339	0.3	8.9	42	0.2
0714	4/10	NA	21.3	7.3	2830	3.6	6.56	<0.1	0.103	245	2356	337	4527	0.0	3.7	19	0.1
0714	4/20	8.6	13.4	6.6	4460	3.7	8.86	<0.1	0.108	255	2206	351	4269	0.5	5.1	24	0.5
0715	4/10	NA	17.0	7.2	3550	3.5	3.60	<0.1	0.093	225	1697	335	3471	0.0	4.2	3.1	0.5
0715	4/20	8.4	13.2	6.7	3460	3.4	4.04	<0.1	0.099	215	1624	320	3239	0.2	3.1	21	0.3
0716	4/10	NA	17.6	7.3	2770	1.86	1.66	<0.1	0.071	155	1327	294	2664	0.1	5.4	14	0.0

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TOM MCDOWELL, JR.
 MARK CURREY
 DEAN HERRERA

REPORT NO. 04-81

ANALYSTS

MIKE KRAUTH, MIKE GOFF
 DENNIS HULSEY
 HAZEN RESEARCH

DATE 07/14/81
REPORT FOR MONTH OF APR 1981

CERTIFICATE OF WATER ANALYSIS
COTTER CORPORATION
P.O. BOX 751
CANON CITY, COLORADO 81212

PAGE 5

LOC NO.	DATE	WATER	TEMP.	PH	UMHO	U	MO	V	MG/L				RA226	PCI/L		PO210	
		DEPTH BELOW MP			CM2 COND.				SE	CL	SO4	CO3	TDS	TH230	FB210		
0716	4/20	11.6	13.0	6.9	2890	1.95	1.84	<0.1	0.073	165	1311	295	2681	0.3	1.6	14	0.3

COLLECTED BY

TCM MCDOWELL, JR.
MARI. CURREY
DEAN HERRERA

REPORT NO. 04-81

ANALYSTS

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DENNIS HULSEY
HAZEN RESEARCH